

**State of California
Office of Administrative Law**

In re:
Office of the State Fire Marshal

Regulatory Action:

Title 19, California Code of Regulations

Adopt sections:

Amend sections: 1990.00, 1990.01, 1990.02,
1990.04, 1990.05, 1990.06,
1990.07, 1990.08, 1990.10,
1990.11, 1990.12

Repeal sections:

NOTICE OF APPROVAL OF REGULATORY
ACTION

Government Code Section 11349.3

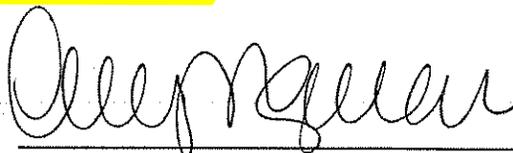
OAL Matter Number: 2020-0619-05

OAL Matter Type: Regular (S)

In this regular rulemaking action the Office of the State Fire Marshal amends several sections and documents incorporated by reference to increase training fees, update training standards, and make nonsubstantive stylistic changes.

OAL approves this regulatory action pursuant to section 11349.3 of the Government Code. **This regulatory action becomes effective on 1/1/2021.**

Date: September 3, 2020



Amy R. Gowan
Attorney

For: Kenneth J. Pogue
Director

Original: Michael J. Richwine,
State Fire Marshal

Copy: Diane Arend

NOTICE PUBLICATION/REGULATIONS

REGULAR

See Instructions on Reverse)

For use by Secretary of State only

STD. 400 (REV. 01-2013)

OAL FILE NUMBERS	NOTICE FILE NUMBER <i>request</i> Z-2020-0326-01	REGULATORY ACTION NUMBER 2020-0619-05	EMERGENCY NUMBER 5
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ENDORSED - FILED
in the office of the Secretary of State
of the State of California

SEP 03 2020
2:17 PM

For use by Office of Administrative Law (OAL) only

2020 JUN 19 P 3:03

OFFICE OF ADMINISTRATIVE LAW

NOTICE	REGULATIONS
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AGENCY WITH RULEMAKING AUTHORITY
CAL FIRE - OFFICE OF THE STATE FIRE MARSHAL

AGENCY FILE NUMBER (if any)

A. PUBLICATION OF NOTICE (Complete for publication in Notice Register)

1. SUBJECT OF NOTICE	TITLE(S)	FIRST SECTION AFFECTED	2. REQUESTED PUBLICATION DATE
3. NOTICE TYPE <input type="checkbox"/> Notice re Proposed <input type="checkbox"/> Regulatory Action <input type="checkbox"/> Other	4. AGENCY CONTACT PERSON	TELEPHONE NUMBER	FAX NUMBER (Optional)
OAL USE ONLY	ACTION ON PROPOSED NOTICE <input type="checkbox"/> Approved as Submitted <input type="checkbox"/> Approved as Modified <input type="checkbox"/> Disapproved/Withdrawn		NOTICE REGISTER NUMBER
			PUBLICATION DATE

B. SUBMISSION OF REGULATIONS (Complete when submitting regulations)

1a. SUBJECT OF REGULATION(S) Firefighter Training and Certification - Fee Increase	1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S)
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2. SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION(S) (Including title 26, if toxics related)

SECTION(S) AFFECTED (List all section number(s) individually. Attach additional sheet if needed.)	ADOPT
	AMEND See Attachment
	REPEAL

TITLE(S)
Title 19, Chapter 13

3. TYPE OF FILING

<input checked="" type="checkbox"/> Regular Rulemaking (Gov. Code §11346)	<input type="checkbox"/> Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute.	<input type="checkbox"/> Emergency Readopt (Gov. Code, §11346.1(h))	<input type="checkbox"/> Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100)
<input type="checkbox"/> Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3, 11349.4)	<input type="checkbox"/> Resubmittal of disapproved or withdrawn emergency filing (Gov. Code, §11346.1)	<input type="checkbox"/> File & Print	<input type="checkbox"/> Print Only
<input type="checkbox"/> Emergency (Gov. Code, §11346.1(b))	<input type="checkbox"/> Other (Specify) _____		

4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.1)

5. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100)

<input checked="" type="checkbox"/> Effective January 1, April 1, July 1, or October 1 (Gov. Code §11343.4(a))	<input type="checkbox"/> Effective on filing with Secretary of State	<input type="checkbox"/> \$100 Changes Without Regulatory Effect	<input type="checkbox"/> Effective other (Specify) _____
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6. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY

<input checked="" type="checkbox"/> Department of Finance (Form STD. 399) (SAM §6660)	<input type="checkbox"/> Fair Political Practices Commission	<input type="checkbox"/> State Fire Marshal
<input checked="" type="checkbox"/> Other (Specify) State Board of Fire Services (HSC Section 13159.8)		

7. CONTACT PERSON Diane Arend	TELEPHONE NUMBER 916-568-2917	FAX NUMBER (Optional)	E-MAIL ADDRESS (Optional) diane.arend@fire.ca.gov
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8. I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification.

SIGNATURE OF AGENCY HEAD OR DESIGNEE <i>Michael J. Richwine</i>	DATE 6/18/2020
TYPED NAME AND TITLE OF SIGNATORY Michael J. Richwine, State Fire Marshal	

For use by Office of Administrative Law (OAL) only

ENDORSED APPROVED

SEP 03 2020

Office of Administrative Law

per agency request

ATTACHMENT

B. 2. SECTION(S) AFFECTED

(List all section number(s) individually.)

AMEND

Sections 1990.00, 1990.01, 1990.02, 1990.04, 1990.05, 1990.06, 1990.07, 1990.08, 1990.10, 1990.11 and 1990.12.

TEXT OF PROPOSED REGULATIONS (Final)

California Code of Regulations

Title 19. Public Safety

Division 1. State Fire Marshal

Chapter 13. California Fire Service Training and Education Program

Legend for Text of Regulations:

45-Day amendments appear in highlighted underline for proposed additions and highlighted ~~strikeout~~ for proposed deletions.

Article 2. GENERAL PROVISIONS

1990.00. Incorporated References.

Administrative procedures for the California Fire Service Training and Education Program shall consist of the following documents incorporated by reference: "State Fire Training Procedures Manual (January 2019)" and the "Course Information and Required Materials Manual (January 2019)."; Registered instructors and State Fire Marshal staff shall ensure that all applicable instructions in the incorporated referenced documents are followed to become a registered instructor and to instruct State Fire Marshal FSTEP and CFSTES accredited and approved courses.

(a) The following forms, in the format developed by the Office of the State Fire Marshal, which are incorporated by reference, can be found in the adopted "State Fire Training Procedures Manual, Section 12: Forms and Checklists (January 2019)."

- (1) Fee Schedule (~~January 2018~~July 2020)
- (2) Request for a Student Transcript (February 2017)
- (3) Instructor Registration Application (~~August 2018~~July 2020)
- (4) Instructor Code of Ethics/Conduct (January 2015)
- (5) Request for Course Scheduling (~~January 2018~~July 2020)
- (6) Course Returns Checklist (September 2018)
- (7) Certification Examination Request (September 2018)
- (8) Certification Examination (2019) Request (July 2020)
- (89) Registered Evaluator Code of Conduct (July 2018)
- (910) Certification Examination Retake Application (January 2016)

(4011) Fire Fighter I Certification Upgrade Application (September 2016)

(4112) Fire Fighter I Certification Reciprocity Application (July 2018)

(13) Fire Fighter I (2019) Certification Upgrade Application (July 2020)

(14) Fire Fighter I (2019) Certification Reciprocity Application (July 2020)

Note: Authority cited: Section 13157 Health and Safety Code. Reference: Section 13157(a), Health and Safety Code.

1990.01. Certification Training Standards.

The Office of the State Fire Marshal shall establish levels of certification based on the development of Certification Training Standards (CTS) guides for fire service professional qualifications based on National Standards and developed for specific job functions within a professional certification track as listed on the SFM website. The CTS Guides are incorporated by reference as amended by the OSFM and list the requisite knowledge, skills, and job performance requirements a person is expected to complete for certification in a specific function. The following Certification Training Standards are incorporated by reference as a baseline for performance in each career classification:

1. Chief Fire Officer (September 2017)
2. Community Risk Educator (November 2014)
3. Community Risk Officer (November 2014)
4. Community Risk Specialist (November 2014)
5. Company Officer (May 2014)
6. Executive Chief Fire Officer (November 2014)
7. Emergency Vehicle Technician I (June 2018)
8. Emergency Vehicle Technician II (June 2018)
9. Emergency Vehicle Technician III (June 2018)
10. Fire Apparatus Driver/Operator Aerial Apparatus (August 2015)
11. Fire Apparatus Driver/Operator Pumping Apparatus (August 2015)
12. Fire Apparatus Driver/Operator Tillered Apparatus (August 2015)
13. Fire Apparatus Driver/Operator Water Tender (August 2015)
14. Fire Apparatus Driver/Operator Wildland Fire Apparatus (August 2015)
15. Fire Fighter I (October 2013)
16. Fire Fighter II (January 2014)
17. Fire Fighter 1 (2019)

18. Fire Fighter 2 (2019)

~~47.~~ 19. Fire Inspector I 1 (2014October-2010)

~~48.~~ 20. Fire Inspector II 2 (2014October-2010)

~~49.~~ 21. Fire Marshal (March 2018)

~~20.~~ 22. Instructor I1 (May 2014)

~~24.~~ 23. Instructor II2 (May 2014)

~~22.~~ 24. Instructor III3 (November 2014)

~~23.~~ 25. Plan Examiner (May 2015)

Note: Authority cited: Sections 13159(d) and 13159.8(b), Health and Safety Code. Reference: Sections 13159(d) and 13159.8(b), Health and Safety Code.

1990.02. Accredited and Approved Course Curriculum and Course Certificate.

Registered instructors shall not delete any material from an accredited or approved curriculum, as referenced in the "Course Information and Required Materials Manual (January 2019)," unless approved in writing by the Chief of State Fire Training per Section 1980.06, CCR.

(a) This section shall not prohibit registered instructors from adding additional material which exceeds the minimum requirements established for the course curriculum, with the condition that additions do not conflict with the established State standards and recognized procedures pursuant to this regulation.

(b) An accredited course is adopted by the State Fire Marshal (SFM) and includes some form of cognitive examination or evaluation to determine student competency in accordance with Section 1990.03.

(1) A student successfully completing an accredited course shall receive a course completion certificate that can lead to position certification in a specialized career track within the California Fire Service Training and Education System (CFSTES).

(c) A Fire Service Training and Education Program (FSTEP) course is a class approved by the State Fire Marshal.

(1) FSTEP courses may include some form of cognitive or psychomotor evaluation of student competency.

(2) A student successfully completing a (FSTEP) course will receive a course completion certificate. All approved courses are classified as the Fire Service Training and Education Program (FSTEP) which does not lead to certification.

Note: Authority cited: Sections 13157(b), 13159.1(a), and 13159.8(b), Health and Safety Code. Reference: Sections 13157(b), 13159.1(a), and 13159.8 Health and Safety Code.

1990.04. Instructors.

All instructors under the California Fire Service Training and Education Program, with the exception of Fire Fighter #1 and Fire Fighter #2 instructors, shall be registered with the State Fire Training Division following the procedures for each course specialty as outlined in the "State Fire Training Procedures Manual" per section 1990.00-CCR.

(a) Registered Instructors shall meet specific coursework, instructor requirements, teaching experience, rank, and occupational experience. A Registered instructor can be approved to teach either or both California Fire Service Training and Education System (CFSTES) and Fire Service Training and Education Program (FSTEP) courses.

(1) Senior Instructors shall meet minimum qualifications for accredited and/or approved Rescue-related courses per "State Fire Training Procedures Manual," Section 1990.00-CCR.

(2) Primary Instructors have the lead responsibility for the delivery of an OSFM CFSTES or FSTEP course per "State Fire Training Procedures Manual," Section 1990.00-CCR.

(3) Adjunct Instructors shall meet minimum instructor criteria and work under the supervision of a Primary instructor for the delivery of an OSFM accredited and approved courses per "State Fire Training Procedures Manual," Section 1990.00-CCR.

(4) Registered Lead Evaluator and Registered Skills Evaluator shall meet minimum instructor criteria to evaluate student skill demonstrations or exams per "State Fire Training Procedures Manual," Section 1990.00-CCR.

(b) Registered Instructors shall notify the State Fire Training Division *via email* of any status change in regard to name, address, telephone number and e-mail address.

(1) Failure to notify the State Fire Training Division as set forth in Section, 1990.04(b) shall result in the Registered Instructor being placed on the inactive list.

(2) Registered Instructors on the inactive list shall be reinstated to the active list if they comply with Section, 1990.04(b).

Note: Authority cited: Section 13159(d), Health and Safety Code. Reference: Section 13159(d), Health and Safety Code.

1990.05. Accredited Facilities.

The Office of the State Fire Marshal, with a recommendation from the State Board of Fire Services (SBFS) and/or the Statewide Training and Education Advisory Committee (STEAC) may designate community colleges as an

Accredited Regional Training Program (ARTP) and local fire departments as an Accredited Local Academy (ALA) per the accreditation procedures specified in the "State Fire Training Procedures Manual" Section 1990.00-CCR.

(a) An "Accredited Regional Training Program (ARTP)" is a community college in partnership with local fire departments, which has been accredited by the OSFM to deliver OSFM- accredited and approved courses as described in the "State Fire Training Procedures Manual" per Section 1990.00-CCR.

(b) An "Accredited Local Academy (ALA)" is a single fire agency actively providing federal, tribal, state, municipal, county, or district fire protection services (serving a specific authority having jurisdiction), which has been approved/accredited by the OSFM to deliver OSFM- accredited and approved courses as described in the "State Fire Training Procedures Manual" per Section 1990.00 CCR.

(c) An "Accredited Rescue Training Site (ARTS)" is a training facility that meets the site, training prop, tools, and equipment requirements for Rescue Systems 1, Rescue Systems 2, and/or Confined Space Rescue requirements as described in the "State Fire Training Procedures Manual" per Section 1990.00-CCR.

(d) These facilities shall be cited as "accredited facilities" in these regulations.

Note: Authority cited: Sections 13142.4, 13157(a), 13159 (b), 13159(d), and 13159(f), and 13159.8 Health and Safety Code. Reference: Sections 13142.4, 13157(a), 13159 (b), 13159(d), and 13159(f), and 13159.8 Health and Safety Code.

1990.06. Safety Policy.

All Registered Instructors who are conducting a State Fire Marshal accredited or approved course shall have, when appropriate, a safety plan as part of the instructional process. The plan shall address, but is not limited to, the following elements: safe operating procedures, location of exits, emergency notification phone numbers for staff and students, location of first aid equipment, and the locations of appropriate medical facilities. This safety plan shall be communicated to the students at the beginning of the class.

Note: Authority cited: Sections 13156(f) and 13159(d), Health and Safety Code. Reference: Sections 13156(f) and 13159(d), Health and Safety Code.

1990.07. Accountability.

It is the responsibility of Registered Instructors, Registered Lead Evaluators, Registered Skills Evaluators, Accredited Facilities, and Host Facilities to maintain the procedural standards and ethical conduct by which they were granted registration or accreditation. The Chief of State Fire Training will reevaluate the registration status of an instructor, or accreditation status of a facility, if or when compliance with these standards comes into question in

accordance with the State Fire Training Procedures Manual as incorporated by reference.

(a) Written comments by students, instructors, fire technology directors or fire officers, regarding Registered Instructors, Registered Lead Evaluators, accredited facilities, Registered sSkills eEvaluators, Accredited Facilities, hHost fFacilities, or academies will be reviewed and investigated by the OSFM when the comment is in writing and directed to the Chief of State Fire Training, Assistant State Fire Marshal, or State Fire Marshal.

Note: Authority cited: Sections 13157(a), 13159(b), 13159(d) and 13159.8(a), Health and Safety Code. Reference: Sections 13157(a), 13159(b), 13159(d) and 13159.8(a), Health and Safety Code.

1990.08. Suspension or Revocation.

Corrective action shall be taken to ensure compliance with the procedures and ethical conduct of the OSFM and to call to attention any problems that have been reported regarding Registered Instructors, Registered Lead Evaluators, Registered sSkills eEvaluators, Accredited fFacilities, and/or hHost fFacilities.

(a) A written negative comment shall be investigated and corrected, if necessary, by the Chief of State Fire Training.

(b) Written negative comments will serve as documentation in the Registered Instructors, Registered Lead Evaluators, Registered sSkills eEvaluators, Accredited fFacilities, and/or hHost fFacilities file as an infraction or breach in procedures or ethical conduct in accordance with Section 1990.00-CGR. Written negative comments shall form the basis for the OSFM to investigate on the validity and seriousness of the comment.

(c) An investigation that uncovers breaches of procedures or an ethical violation may lead to a notice of suspension or revocation of Registered Instructors, Registered Lead Evaluators, Registered sSkills eEvaluators, Accredited fFacility, and/or hHost fFacility accreditation.

(d) Suspension of Registered Instructors, Registered Lead Evaluators, Registered sSkills eEvaluators, Accredited fFacility, and/or hHost fFacility accreditation shall be based on documented evidence of breaches in procedures or ethical conduct. The Instructor or Accredited fFacility shall receive a written notice of the proposed suspension that will include the specific details of the infractions and 60 days, to respond in writing, before the suspension takes effect. The written notice shall contain information on the appeal process to the suspension.

(1) State Fire Training has the authority to suspend a class or instructor if a violation or threat to public safety has occurred. Such an action shall be documented by the State Fire Training representative and the instructor shall be required to cease all instructional activities immediately.

(e) Revocation of rRegistered iInstructors, rRegistered lLead eEvaluators, rRegistered sSkills eEvaluators, aAccredited fFacility, and/or hHost fFacility accreditation shall be based on documented evidence of breaches in procedures or ethical conduct in accordance with Section 1990.00-CGR. This action may be heard administratively. The rRegistered iInstructors, rRegistered lLead eEvaluators, rRegistered sSkills eEvaluators, aAccredited fFacility, and/or hHost fFacility will receive written notification that shall include specific details of breaches in procedures or ethical conduct and the penalty proposed from the Chief of State Fire Training.

(1) The written notice of revocation to a rRegistered iInstructors, rRegistered lLead eEvaluators, rRegistered sSkills eEvaluators, aAccredited fFacility, and/or hHost fFacility shall include the specific details of the infractions, and revocation shall be effective immediately upon receipt of the notice. The written notice shall contain information on how to appeal the revocation.

(f) An investigation that uncovers ethical violations or infractions by students and/or classes may lead to a notice of suspension, certification recantation, criminal charges, and/or SFT system expulsion for up to two years. Such action shall be based on documented evidence of ethical violations or infraction. The student and/or class shall receive a written notice of the proposed punitive action that will include the specific details of the infractions and 60 days to respond in writing before the suspension takes effect. The written notice shall contain information on the appeal process to the suspension.

(1) State Fire Training has the authority to suspend a student or class if a violation or threat to public safety has occurred. Such an action shall be documented by the State Fire Training representative.

Note: Authority cited: Section 13157, Health and Safety Code. Reference: Section 13157(a), Health and Safety Code.

1990.10. Reinstatement.

Reinstatement as a rRegistered iInstructor, Lead Skills Evaluator, Skills Evaluator, or aAccredited fFacility, and/or Host Facility shall be achieved by meeting all terms of disciplinary action and by reapplying and meeting the current requirements as a rRegistered iInstructor, Lead Skills Evaluator, Skills Evaluator, or aAccredited fFacility, and/or Host Facility.

Note: Authority cited: Sections 11425.10, Government Code; and 13157(a), Health and Safety Code. Reference: Sections 13157(a), 13159(b), 13159(d) and 13159.8(a), Health and Safety Code.

1990.11. Instructor Orientation and Classroom Ethics.

All Registered instructors shall complete State Fire Trainings "Regional Instructors Orientation," "Ethical Leadership in the Classroom," and any OSFM-required instructor update training programs before a CFSTES or FSTEP course request will be approved by State Fire Training.

(a) Training curriculum that is significantly updated by the OSFM may require an update class to bring current instructors up-to-date on changes to the training program. Current instructors will be notified of any classes that require their attendance in an update class. Failure to attend an update class may result in being removed as an approved instructor for that class.

Note: Authority cited: Sections 13159(d) and 13159.8(a), Health and Safety Code. Reference: Sections 13159(d) and 13159.8(a), Health and Safety Code.

1990.12. State Fire Training Fees.

State Fire Training shall establish and collect fees necessary to support the California Fire Service Training and Education Program. The following fees have been approved and adopted by the Office of the State Fire Marshal as recommended by the Statewide Training and Education Advisory Committee:

(a) Course Registration/Diploma/Handling/Delivery Fees

Regional Instructor Orientation (RIO)	\$150.00
Certification Examination Evaluator Training	\$80.00
CFSTES Diploma	\$80.00 140.00
FSTEP Diploma	\$20.00 75.00
Course Handling	\$8.00

(b) Certification and Renewal Fees

<u>Burn Boss</u>	\$100.00
<u>Burn Boss Recertification</u>	\$100.00
Chief Fire Officer	\$90.00 150.00
Community Risk Educator	\$65.00 100.00
Community Risk Officer	\$65.00 100.00
Community Risk Specialist	\$65.00 100.00
Company Officer	\$65.00 100.00
Emergency Vehicle Technician I	\$65.00 100.00
Emergency Vehicle Technician II	\$65.00 100.00
Emergency Vehicle Technician III	\$65.00 100.00
<u>Emergency Vehicle Technician Recertification</u>	\$100.00
Executive Chief Fire Officer	\$90.00 150.00
Fire Apparatus Driver/Operator Aerial Apparatus	\$65.00 100.00
Fire Apparatus Driver/Operator Pump Apparatus	\$65.00 100.00

Fire Apparatus Driver/Operator Tillered Apparatus	\$65.00100.00
Fire Apparatus Driver/Operator Water Tender Apparatus	\$65.00100.00
Fire Apparatus Driver/Operator Wildland Apparatus	\$65.00100.00
Fire Chief	
*— Application	\$250.00
*— Application PACE IV Review	\$250.00
Fire Fighter 1 (2013-Curriculum) – retires December 31, 2021	\$40.00
Fire Fighter 1 (2013-Curriculum) IFSAC/Pro Board Upgrade (add seals) – retires December 31, 2021	\$40.00
Fire Fighter 2 (2013-Curriculum) – retires December 31, 2021	\$40.00
Fire Fighter 2 (2013) "Tenured" Path—retires December 31, 2021	\$80.00
Fire Fighter 2 Certification (2019-Curriculum)	\$75.00
Fire Inspector I	\$65.00100.00
Fire Inspector II	\$65.00100.00
Fire Investigator	\$65.00100.00
Fire Marshal	\$90.00150.00
Fire Mechanic I – retires December 31, 2020	\$65.00100.00
Fire Mechanic II – retires December 31, 2020	\$65.00100.00
Fire Mechanic III (Master Mechanic)—retires December 31, 2020	\$65.00100.00
Fire Mechanic Recertification – retires December 31, 2020	\$60.00100.00
Hazardous Materials Technician	\$65.00100.00
Hazardous Materials Specialist	\$65.00100.00
Instructor I	\$65.00100.00
Instructor II	\$65.00100.00
Instructor III	\$65.00100.00
Plan Examiner	\$65.00100.00
Wildland Fire Fighter 2	\$75.00

(c) Certification Exam Other Fees

Fire Fighter 1 Exam Registration and Certification (2019-Curriculum)	\$150.00
Fire Fighter 2 Exam Registration (2019-Curriculum)	\$75.00
Wildland Fire Fighter 2 Exam Registration (2019-Curriculum)	\$75.00
Wildland Fire Fighter 2 Certification (2019-Curriculum)	\$75.00
Fire Fighter 1 Psychomotor Exam Registration: Modular Registration (2013-Curriculum)	\$10.00 per module
Fire Fighter 1 Psychomotor Exam Registration: Consecutive and Integrated Registration (2013-Curriculum)	\$10.00
Fire Fighter 1 Psychomotor Exam Retake Registration (2013-Curriculum)	\$10.00 per retake

Instructor Registration (maximum of three course registrations)	\$125.00
Rescue System Site Accreditation	\$250.00
Official Transcript	\$100.00
Duplicate Certification	\$100.00
Certification Exam Item-by-Item Review	\$250.00

(d) Duplicate Course Certificate Fees

Certification	\$35.00
CFSTES	\$35.00
FSTEP	\$20.00

(e) Course Equivalency, Reciprocity, and Upgrade Fee

Course Equivalency Certificate	\$60.00
Fire Fighter 1 Reciprocity or Upgrade Review	\$60.00

(fd) PACE II and PACE III Review Fee Peer Assessment, Established Equivalency, Reciprocity, and Upgrade Fees

PACE II: Peer Assessment for Credential Evaluation (Instructors) REVIEW	\$60.00 200.00
PACE III: Peer Assessment for Course Equivalencies REVIEW	\$60.00 200.00
PACE IV: Peer Assessment for Fire Chief	\$750.00
PACE V: Peer Assessment for CICCIS Evaluation	\$100.00
PACE VI: Peer Assessment for Burn Boss	\$200.00
Established Equivalencies	\$140.00
Pro Board®/IFSAC Reciprocity Review	\$125.00

(ge) ARTP and ALA Accreditation Accredited Academy Fees

Application Processing	\$500.00
Site Team travel expense not to exceed	\$2,000.00
ALA/ARTP Initial Accreditation	\$4,000.00
ALA/ARTP Reaccreditation	\$3,000.00
Evaluator Registration	\$50.00
Fire Fighter 1 (2019) Exam Registration and Certification	\$150.00
Fire Fighter 2 (2019) Exam Registration	\$75.00
Wildland Fire Fighter 2 Exam Registration	\$75.00
Fire Fighter 1 (2013) Psychomotor Exam Registration: Modular Registration	\$10.00 per module

<u>Fire Fighter 1 (2013) Psychomotor Exam Registration: Consecutive and Integrated Registration</u>	<u>\$10.00</u>
<u>Fire Fighter 1 (2013) Psychomotor Exam Retake Registration</u>	<u>\$10.00</u> <u>per</u> <u>retake</u>
<u>Custom Skill Sheets (per skill sheet)</u>	<u>\$100.00</u>

(hf) The State Fire Marshal shall adjust the fee schedule by annually reviewing, and revising as necessary, the California Fire Service Training Program in accordance with Section 13159.4, Health and Safety Code.

Note: Authority cited: Sections 13157(d), 13157(e), 13159.4, 13159.8(e) and 13159.10, Health and Safety Code. Reference: Sections 13157(d), 13157(e), 13159.4, 13159.8(e) and 13159.10, Health and Safety Code.

12.2: FEE SCHEDULE



State Fire Training

Mail to: Cashier, PO Box 997446, Sacramento, CA 95289-7466
Phone (916) 445-8444



Fee Schedule - Certification

#	Job Function Certifications	Each	Total	#	Job Function Certifications	Each	Total
█	Chief Officer <i>(retiring 12/31/2018)</i>	\$90		█	Fire Inspector II	\$65	
█	Chief Fire Officer (NEW)	\$90		█	Fire Investigator (NEW)	\$65	
█	Company Officer	\$65		█	Fire Investigator I <i>(retiring 12/31/2018)</i>	\$65	
█	Community Risk Educator	\$65		█	Fire Investigator II <i>(retiring 12/31/2018)</i>	\$65	
█	Community Risk Specialist	\$65		█	Fire Marshal <i>(retiring 12/31/2018)</i>	\$65	
█	Community Risk Officer	\$65		█	Fire Mechanic I	\$65	
█	Executive Chief Fire Officer (NEW)	\$90		█	Fire Mechanic II	\$65	
█	Fire Apparatus Driver/Op. Pump	\$65		█	Fire Mechanic III (Master Mechanic)	\$65	
█	Fire Apparatus Driver/Op. Aerial	\$65		█	Fire Mechanic Recertification	\$60	
█	Fire Apparatus Driver/Op. Tillered	\$65		█	Hazardous Materials Technician	\$65	
█	Fire Apparatus Driver/Op. Wildland	\$65		█	Hazardous Materials Specialist	\$65	
█	Fire Apparatus Driver/Op. Water Tender	\$65		█	Instructor I	\$65	
█	Fire Fighter I* (2013) (CA certificate only)	\$40		█	Instructor II	\$65	
█	*Add IFSC/Pro Board Seals	\$40		█	Instructor III	\$65	
█	Fire Fighter II (2013) (CA certificate only)	\$40		█	Plan Examiner (2015) (NEW)	\$65	
█	Fire Inspector I	\$65					

Acct Code: 5921-59210-142500-23

Certification Reciprocity/Upgrade Review		Acct Code: 5921-59210-142500-17	Each	Reciprocity total
<input type="checkbox"/>	Fire Fighter I Reciprocity/Upgrade review fee		\$60	
Certification Examination: Feedback		Acct Code: 5921-59210-142500-18	Each	Feedback total
<input type="checkbox"/>	Certification Examination - Written Examination Feedback Fee		\$250	
Certification Examination		Acct Code: 5921-59210-142500-19	Each	Cert. Exam total
<input type="checkbox"/>	Fire Fighter I Certification Examination - Consecutive/Integrated		\$10	
<input type="checkbox"/>	Fire Fighter I Certification Examination - Modular		\$10 p/mod	
<input type="checkbox"/>	Fire Fighter I Certification Examination - Retake Fee		\$10 p/retake	
PACE IV Review (Peer Assessment for Fire Chief)		Acct Code: 5921-59210-142500-23	Each	PACE IV total
<input type="checkbox"/>	Fire Chief Application/CPSE Fire Chief Application		\$250	
<input type="checkbox"/>	Pace IV Interview		\$250	
Duplicate Certification Certificate		Acct Code: 5921-59210-142500-23	Each	Dup. Cert total
<input type="checkbox"/>	*Only for certifications listed above. Order course completion certificates on pg 2.		\$35	
Certificate Title: _____		Date Issued: _____		
Certificate Title: _____		Date Issued: _____		
Grand Total Submitted:				

I, the undersigned, am the person applying for certification. I hereby certify under penalty of perjury under the laws of the State of California, that all of the statements 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.

Signature: _____ Date: _____

Full Name: _____ Home/Cell Phone: _____

Agency: _____ Agency Phone: _____

Home Address: _____ City/State/Zip: _____

SFT ID #: _____ Last 4 digits SSN #: _____

Email: _____ FDID# (for ff appl. only): _____

January 2018 *** Fee Schedule must be signed and must include non-refundable payment. *** 1 of 2

REPEAL



State Fire Training

Mail to: Cashier, PO Box 997446, Sacramento, CA 95899-7466
Phone (916) 445-8444



Fee Schedule – Courses/Accreditation

Duplicate Course Certificates		#	Each	Dup. Cert. total
CFSTES Course Certificate Acct Code: 5921-59210-142500-20			\$35	
Course Title:	Date Completed:			
Course Title:	Date Completed:			
Course Title:	Date Completed:			
Course Title:	Date Completed:			
FSTEP Course Certificate Acct Code: 5921-59210-142500-21			\$20	
Course Title:	Date Completed:			
Course Title:	Date Completed:			
List additional certificates on a separate page.				
Course Equivalency Certificates		#	Each	Course Eq. total
Course Equivalency Certificate Acct Code: 5921-59210-142500-20			\$60	
SFT Course Title:	Date Completed:			
SFT Course Title:	Date Completed:			
SFT Course Title:	Date Completed:			
SFT Course Title:	Date Completed:			
List additional certificates on a separate page.				
PACE II/III Review (Peer Assessment Review)		#	Each	PACE III total
PACE II/III Review Acct Code: 5921-59210-142500-20			\$60	
Course Title:				
Course Title:				
ARTP/ALA Accreditation or Reaccreditation			Each	Accredit. total
Application Processing Acct Code: 5921-59210-142500-11			\$500	
Accreditation Site Review Costs (not to exceed \$2,000)				
Grand Total Submitted:				

I, the undersigned, am the person applying for certification. I hereby certify under penalty of perjury under the laws of the State of California, that all of the statements 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.

Signature: _____ Date: _____

Full Name: _____ Home/Cell Phone: _____

Agency: _____ Agency Phone: _____

Home Address: _____ City/State/Zip: _____

SFT ID #: _____ Last 4 digits SSN #: _____

Email: _____ FDID# (for FF appl. Only): _____

State Fire Training – Instructor Application

Identify the courses you are applying to teach.

Command.....

- Chief Fire Officer 3D: Emergency Service Delivery (2016)
- Executive Chief Fire Officer 4D: Emergency Services Delivery
- Company Officer 2D: All Risk Command Operations for Co. Off.
- Company Officer 2E: Wildland Incident Operations
- Incident Management for Major Fires (2015)
- Incident Management of the Fire Fighter Emergency (2016)
- Incident Management of High Rise Fires (2016)

Community Risk Officer.....

- Community Risk Educator
- Community Risk Specialist
- Community Risk Officer

Driver/Operator.....

- Basic Emergency Vehicle Operations
- Basic Pump Operations
- Fire Apparatus D/O 1A: Driver/Operator (2013)
- Fire Apparatus D/O 1B: Pumping Apparatus Op.'s (2015)
- Aerial Apparatus Operations (2015)
- Tillered Apparatus Operations (2015)
- Water Tender Operations (2015)
- Wildland Fire Apparatus Operations (2015)

Fire Control – Primary.....

- Fire Control 1: Basic Fire Chemistry
- Fire Control 2: Basic Operations – Structural
- Fire Control 3A: Structural Fire Fighting in Acquired Structures
- Fire Control 3B: Structural Fire Fighting in Live-fire Simulators
- Fire Control 4: Controlling Ignitable Liquids and Gases (2015)
- Fire Control 5: Aircraft Rescue and Fire Fighting
- Fire Control 6: Wildland Fire Fighting Essentials
- Fire Control 7: Wildland Fire Fighting

Fire Control – Senior.....

- Fire Control 3A – Senior Coordinator
- Fire Control 3B – Senior Coordinator
- Fire Control 4 – Senior Instructor (2015)
- Fire Control 5 – Senior Instructor
- Fire Control 7 – Senior Instructor

Fire Fighting and Rescue – Primary.....

- Animal Technical Rescue Awareness (2017)
- Animal Technical Rescue Technician (2017)
- Confined Space Rescue Awareness
- Confined Space Rescue Technician
- Emergency Response to Alternative Fuel Vehicles
- Fire Fighter Survival
- Incident Safety Awareness for Hired Vendors (2015)
- Low Angle Rope Rescue Operational
- Open Water Rescuer - Basic
- Personal Watercraft Rescue Operations
- Photovoltaic Training (2010)
- Rapid Intervention Crew Operations
- Rescue Boat Operations
- Rescue Systems 1: Rope/Low Angle Rope Rescue Module
- Rescue Systems 1: Heavy Objects/Breaking & Breaching Module
- Rescue Systems 1: Ladder Module
- Rescue Systems 1: Shoring Module
- Rescue Systems 2: Exterior Shores Module
- Rescue Systems 2: Interior Shores Module
- Rescue Systems 2: Breaking and Breaching Module
- Rescue Systems 2: Lifting and Moving Module
- Rescue Systems 3: Structural Collapse Technician (2012)
- River and Flood Water Rescue
- Rope Rescue Technician (2013)
- Tire Fire Prevention and Suppression
- Trench Rescue Technician
- Vehicle Extrication (2015)

Fire Fighting and Rescue – Senior.....

- Confined Space Rescue Technician – Senior Instructor
- Rescue Systems 1 – Senior Instructor
- Rope Rescue Technician (2013) – Senior Instructor
- Rescue Systems 2 – Senior Instructor
- Trench Rescue Technician – Senior Instructor (2015)

Hazardous Materials.....

- HazMat First Responder Awareness Level
- HazMat First Responder Operational Level
- HazMat First Responder Operational, Decontamination

Incident Command System.....

- Advanced All-Hazards Incident Management (AAIM)
- ICS-200: Basic ICS

State Fire Training – Instructor Application

- ICS-300: Intermediate ICS
- ICS-400: Advanced ICS
- S-130: Fire Fighter Training
- S-131: Fire Fighter Type 1 Training
- S-190: Introduction to Wildland Fire Behavior
- S-200: Initial Attack Incident Commander Type 4
- S-203: Introduction to Incident Information
- S-212: Wildland Fire Chain Saws
- S-215: Fire Operations in the Wildland/Urban Interface
- S-219: Firing Operations (formerly S-234)
- S-230: Crew Boss – Single Resource
- S-231: Engine Boss – Single Resource
- S-244: Field Observer
- S-245: Deploy Processor
- S-270: Basic Air Operations
- S-290: Intermediate Wildland Fire Behavior
- S-300: Extended Attack Incident Commander
- AH-330: Task Force/Strike Team Leader – All Hazards (new)
- S-336: Tactical Decision Making in Wildland Fire
- S-339: Division/Group Supervisor
- AR-339: Division/Group Supervisor – All Risk
- S-346: Situation Unit Leader
- S-349: Resources/Demobilization Unit Leader
- S-355: Ground Support Unit Leader
- S-356: Supply Unit Leader
- S-358: Communications Unit Leader
- S-359: Medical Unit Leader
- S-360: Finance/Administration Unit Leader
- S-390: Introduction to Wildland Fire Behavior Calculations
- S-400: Incident Commander
- S-403: Information Officer
- S-404: Safety Officer
- S-420: Command and General Staff
- S-430: Operations Section Chief
- AR-430: Operations Section Chief – All Risk
- S-440: Planning Section Chief
- S-445: Incident Training Specialist
- S-450: Logistics Section Chief
- S-460: Finance/Administration Section Chief
- S-490: Advanced Wildland Fire Behavior Calculations
- S-491: Intermediate National Fire Danger Rating System
- Terrorism Liaison Officer, Basic

Instructor

- Instructor I: Instructional Methodology
- Instructor II: Instructional Development
- Instructor III: Instructional Program Management
- Ethical Leadership in the Classroom
- Instructional Techniques for Company Officers
- Techniques of Evaluation (2017)
- Employing Audiovisual Aids (2017)
- Group Dynamics and Problem Solving (2017)

Investigation

- Fire Investigation 1A: Basic Fire Investigation (2017)
- Fire Investigation 1B: Evidence and Documentation (2017)
- Fire Investigation 1C: Preparation for Legal Proceedings (2017)
- Fire Investigation 1A (2011) (retiring 12/31/18)
- Fire Investigation 1B (2000) (retiring 12/31/18)
- Fire Investigation 2A (1989) (retiring 12/31/18)
- Fire Investigation 2B (1986) (retiring 12/31/18)

Management

- Chief Fire Officer 3A: Human Resource Management (2014)
- Chief Fire Officer 3B: Budget & Fiscal Responsibilities (2014)
- Chief Fire Officer 3C: General Administration Functions (2014)
- Company Officer 2A: Human Resource Management
- Company Officer 2B: General Administrative Functions
- Executive Chief Fire Officer 4A: Human Res. Mgt. (2014)
- Executive Chief Fire Officer 4B: Community & Gov. Relations
- Executive Chief Fire Officer 4C: Administration
- Executive Chief Fire Officer 4E: Health and Safety
- Fire Service Labor/Management Relations (2017)
- Fire Service Supervision: Increasing Personal Effectiveness
- Fire Service Supervision: Increasing Team Effectiveness
- Volunteer Fire Service Management

Prevention

- Company Officer 2C: Fire Inspections and Investigations
- Fire Inspector 1A: Duties and Administration
- Fire Inspector 1B: Fire and Life Safety
- Fire Inspector 1C: Field Inspection
- Fire Inspector 1D: Field Inspection – California Specific
- Fire Inspector 2A: Fire Prevention Administration
- Fire Inspector 2B: Fire and Life Safety Requirements
- Fire Inspector 2C: Insp. New/Ex. Fire & Life Safety Sys./Eq.
- Fire Inspector 2D: Hazardous Materials, Ops, and Processes
- Fire Marshal 1A: Admin. and Professional Development
- Fire Marshal 1B: Com. Relations & Fire and Life Safety Ed
- Fire Marshal 1C: Fire Investigation Program Management
- Fire Marshal 1D: Com. Risk Reduction Program Management
- Fire Marshal 1E: Regulatory Program Management
- Plan Examiner 1A: Building Plan Review
- Plan Examiner 1B: Fire Prot. & Life Safety Systems Plan Rev.
- Plan Examiner 1C: Hazards & Special Op.'s Plan Review

12.6: REQUEST FOR COURSE SCHEDULING



Request for Course Scheduling

All requests must be received 4 weeks prior to the class start date.
 Email: SFT.CourseScheduler@fire.ca.gov Phone: (916) 568-2903



Course: _____		FT: _____	Class Code: _____
Training Location Name: _____		Start Date: _____	End Date: _____
Training Location Physical Address: _____		<input type="checkbox"/> Advertise Online?	
		Advertise Phone/Email: _____	
Contact Name: _____		Advertise Website: _____	
Contact's Phone: _____		Contact's Email Address: _____	
Estimated Students: _____		<input type="checkbox"/> Shift Schedule <input type="checkbox"/> Shifts <input type="checkbox"/> Smart Class <input type="checkbox"/> Online/hybrid	
Primary Name: _____	Email: _____		
SFT ID: _____	Phone: _____		
Senior Name: _____	Email: _____		
SFT ID: _____	Phone: _____		
Use the section below for technical rescue classes that require the use of modules or additional instructors. All course requirements can be found in the Course Information Manual (online)		Note: 10-1 FFS, RICOP, 12-1 LARRO, RS 3, RRT, CSRT (3 and max), TRT (2 and max) CSRT: The Senior cannot be a Primary ART/TRT/RS- Sr. cannot be a Primary in 3 or 4 mod. class	
Module 1 _____	SFT ID: _____		
Module 2 _____	SFT ID: _____		
Module 3 _____	SFT ID: _____		
Module 4 _____	SFT ID: _____		
SHIPPING INFORMATION:		HOSTING/BILLING INFORMATION:	
Agency: _____		Billing Agency: _____	
Attn: _____		Attn: _____	
Street Address: (No Po. Box) _____		Street Address: _____	
City/State/Zip Code: _____		City/State/Zip Code: _____	
FOR STATE FIRE TRAINING USE ONLY -- DO NOT PAY UNTIL INVOICED			
Date Shipped: _____	Date Returned: _____	<input type="checkbox"/> MRT #: _____ (CAL FIRE Only)	
Registration and Materials		Unit Price	Quantity
CFSTES Registration: _____ (59210-142500-20)		\$80.00	\$
FSTEP Registration: _____ (59210-142500-21)		\$20.00	\$
Handling Charges: _____ (59210-142500-03)			\$ 8.00
		TOTAL DUE: \$	
Return materials to: SFT, 2251 Harvard Street, Suite 400, Sacramento, CA 95815 within 15 days of the class end date			

January 2018



CERTIFICATION Fee Schedule

ADOPT

Include non-refundable payment - payable to: State Fire Training

Applicant Information

Full Name: _____

SFT ID Number: _____

Full Mailing Address: _____

Phone: _____

Job Function Certifications

Quantity	Fee Description	Fee
	Burn Boss	\$100.00
	Burn Boss Recertification	\$100.00
	Chief Fire Officer	\$150.00
	Community Risk Educator	\$100.00
	Community Risk Officer	\$100.00
	Community Risk Specialist	\$100.00
	Company Officer	\$100.00
	Emergency Vehicle Technician I	\$100.00
	Emergency Vehicle Technician II	\$100.00
	Emergency Vehicle Technician III	\$100.00
	Emergency Vehicle Technician Recertification	\$100.00
	Executive Chief Fire Officer	\$150.00
	Fire Apparatus Driver/Operator Aerial Apparatus	\$100.00
	Fire Apparatus Driver/Operator Pump Apparatus	\$100.00
	Fire Apparatus Driver/Operator Tillered Apparatus	\$100.00
	Fire Apparatus Driver/Operator Water Tender Apparatus	\$100.00
	Fire Apparatus Driver/Operator Wildland Apparatus	\$100.00
	Fire Fighter I (2013)	\$40.00
	Fire Fighter I (2013) IFSAC/Pro Board Upgrade (add seals)	\$40.00
	Fire Fighter II (2013 Curriculum)	\$40.00
	Fire Fighter 2 Certification (2019 Curriculum)	\$75.00
	Fire Inspector I	\$100.00
	Fire Inspector II	\$100.00
	Fire Investigator	\$100.00
	Fire Marshal	\$150.00
	Fire Mechanic I	\$100.00
	Fire Mechanic II	\$100.00
	Fire Mechanic III (Master Mechanic)	\$100.00



CERTIFICATION Fee Schedule

Include non-refundable payment - payable to: State Fire Training

Fire Mechanic Recertification	\$100.00
Hazardous Materials Technician	\$100.00
Hazardous Materials Specialist	\$100.00
Instructor I	\$100.00
Instructor II	\$100.00
Instructor III	\$100.00
Plan Examiner	\$100.00
Wildland Fire Fighter 2	\$75.00

Payment Information

Account Coding: 0198-XXXX-4143500-4143500014-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$ _____



COURSE DELIVERY Fee Schedule

Include non-refundable payment - payable to: State Fire Training

Applicant Information

Full Name: _____

SFT ID Number: _____

Full Mailing Address: _____

Phone: _____

Course Delivery Fees

Quantity	Fee Description	Fee
	Regional Instructor Orientation (RIO)	\$150.00
	Certification Examination Evaluator Training	\$80.00
	CFSTES Diploma	\$140.00
	FSTEP Diploma	\$75.00

Payment Information

CFSTES Account Coding: 0198-XXXX-4143500-4143500011-35405902-59210

FSTEP Account Coding: 0198-XXXX-4143500-4143500012-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$ _____



PEER ASSESSMENT, ESTABLISHED EQUIVALENCY, RECIPROCITY, & UPGRADE Fee Schedule

Include non-refundable payment - payable to: State Fire Training

Applicant Information

Full Name: _____

SFT ID Number: _____

Full Mailing Address: _____

Phone: _____

Peer Assessment, Established Equivalency, Reciprocity, and Upgrade Fees

Quantity	Fee Description	Fee
	PACE II: Peer Assessment for Credential Evaluation (Instructors)	\$200.00
	PACE III: Peer Assessment for Course Equivalencies	\$200.00
	PACE IV: Peer Assessment for Fire Chief	\$750.00
	PACE V: Peer Assessment for CICC Evaluation	\$100.00
	Established Equivalencies	\$140.00
	Pro Board®/IFSAC Reciprocity Review	\$125.00

Payment Information

Account Coding: 0198- XXXX-4143500-4143500011-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$ _____



ACCREDITED ACADEMY FEES

Fee Schedule

Include non-refundable payment - payable to: State Fire Training

Applicant Information

Full Name: _____

SFT ID Number: _____

Full Mailing Address: _____

Phone: _____

Peer Assessment, Established Equivalency, Reciprocity, and Upgrade Fees

Quantity	Fee Description	Fee
	ALA/ARTP Initial Accreditation	\$4,000.00
	ALA/ARTP Reaccreditation	\$3,000.00
	Evaluator Registration	\$50.00
	Fire Fighter 1 Exam Registration and Certification (2019 Curriculum)	\$150.00
	Fire Fighter 2 Exam Registration (2019 Curriculum)	\$75.00
	Wildland Fire Fighter 2 Exam Registration (2019 Curriculum)	\$75.00
	Fire Fighter 1 Psychomotor Exam Registration: Modular Registration (2013 Curriculum)	\$ 10.00 per module
	Fire Fighter 1 Psychomotor Exam Registration: Consecutive and Integrated Registration (2013 Curriculum)	\$10.00
	Fire Fighter 1 Psychomotor Exam Retake Registration (2013 Curriculum)	\$10.00 per retake
	Custom Skill Sheets (per skill sheet)	\$100.00

Payment Information

Accredited Academy Account Coding: 0198-XXXX-4143500-4143500003-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$ _____



OTHER FEES Fee Schedule

Include non-refundable payment - payable to: State Fire Training

Applicant Information

Full Name: _____

SFT ID Number: _____

Full Mailing Address: _____

Phone: _____

Peer Assessment, Established Equivalency, Reciprocity, and Upgrade Fees

Quantity	Fee Description	Fee
	Instructor Registration (maximum of three course registrations)	\$125
	Rescue System Site Accreditation	\$250
	Official Transcript	\$100
	Duplicate Certification	\$100

Payment Information

Account Coding: 0198-XXXX-4143500-4143500011-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$ _____



INSTRUCTOR REGISTRATION Application

ADOPT

Applicant Information

Full Name: _____

SFT ID Number: _____

Mailing Address: _____

City, State, Zip Code: _____

Email Address: _____

Mobile Phone: _____

Primary Employer: _____

Instructor Status

- New Instructor
- Existing Instructor in Good Standing

Authorization to Release Information

I understand that State Fire Training can publish the following contact information about my instructor registration on the instructor database webpage: instructor name, primary county, email address and phone number. I understand that I may elect to update this information via my online portal account at any time and that it is a requirement to list a valid email address. I would like to be listed on this webpage and authorize the release of my contact information:

- Yes
- No

Statement of Assurance

I, the undersigned, am the person applying for instructor registration. I hereby certify under penalty of perjury under the laws of the State of California, that all statements made herein are true in every respect. I understand that misstatements, omissions of material facts, or falsification of information may be cause for denial of this application.

Date

Applicant Signature



INSTRUCTOR REGISTRATION Application

Registration

List the courses that you are applying to teach in the section below. If you would like to apply for additional courses, submit a second instructor registration application package. Each instructor registration application is limited to a maximum of three courses per submittal.

#	SFT Course Name
1	
2	
3	

Supporting Documentation

Refer to the current State Fire Training Procedures Manual for a list of additional requirements for the course(s) that you are requesting to teach. Note: It is not necessary to include training records that are already recorded in your online User Portal.

Submitting

Submit your instructor registration application package to:

State Fire Training
2251 Harvard Street, Suite 400
Sacramento CA 95815

Payment Information

Instructor Registration (maximum of three course registrations) – payable to: State Fire Training.

Account Coding: 0198-XXXX-4143500-4143500011-35405902-59210

Date: _____

Payment Type: _____

Grand Total: \$125.00



ADOPT

CERTIFICATION EXAMINATION (2019) Scheduling Request Form

Upload all request forms and rosters through the SFT User Portal.

Scheduling Information:

Module	Type	Date(s)	Time(s)	Advertise?	Approval Code (SFT ONLY)
1A: Structural	Online				
	Skills				
1B: HazMat	Online				
	Skills				
1C: Wildland	Online				
	Skills				
2A: Fire Fighter 2	Online				
	Skills				

Agency and Evaluator Information:

Hosting Agency: _____
 Facility Name & Address: _____
 Lead Evaluator & SFT ID: _____
 Evaluator Email & Phone: _____
 Contact Name & Phone: _____
 Website (if advertising): _____

Billing Information:

Mailing Address: _____
 Bill to Agency/Person: _____
 Delivery Format (i.e. Modular or Consecutive): _____

Invoice Information (SFT USE ONLY):

Type	Fee	Number of Candidates	Total Price	Billing Code 0198-413500-413500007
<i>Fire Fighter 1</i>	\$150		\$	
<i>Fire Fighter 2</i>	\$75		\$	



Fire Fighter 1 (2019) Certification Upgrade Application Instructions

ADOPT

Overview

The California Office of the State Fire Marshal (OSFM) Fire Fighter 1 (2019) Certification contains three professional qualification levels set by the National Fire Protection Association (NFPA): NFPA 1001: Fire Fighter I, NFPA 1072: Hazardous Materials/WMD Awareness and Operations, and NFPA 1051: Wildland Fire Fighter I.

The Fire Fighter 1 (2019) Upgrade Application is for applicants who have a California OSFM Fire Fighter 1 Certification issued within 10 years of the date of submitting this application and are seeking an IFSAC/Pro Board accredited Fire Fighter 1 Certification.

After the applicant meets the certification requirements, State Fire Training (SFT) will issue IFSAC and Pro Board accredited Fire Fighter 1, Hazardous Materials Awareness and Operations, and Wildland Fire Fighter 1 certifications.

Upgrade Certification Requirements

Certification

- California OSFM Fire Fighter 1 (issued within the past 10 years)

Education

- Confined Space Rescue Awareness (SFT or IAFF) or Confined Space Rescue Technician (SFT)
- IS-100, IS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)

Certification Exams

- Cognitive Exam Module(s)
 - NFPA 1001: Fire Fighter 1 (SFT FF 1A: Structure)
 - NFPA 1072: Awareness & Core Operations level: with Product Control and Personal Protective Equipment mission specific competencies (SFT FF 1B: Hazardous Materials)
 - NFPA 1051: Wildland Fire Fighter 1 (SFT FF 1C: Wildland)
- Psychomotor Skills Exam Module(s)
 - NFPA 1001: Fire Fighter 1 (SFT FF 1A: Structure)
 - NFPA 1072: Awareness and Core Operations level: with Product Control and Personal Protective Equipment mission specific competencies (SFT FF 1B: Hazardous Materials)
 - NFPA 1051: Wildland Fire Fighter 1 (SFT FF 1C: Wildland)

Application Process

1. Applicant mails the Fire Fighter 1 (2019) Certification Upgrade Application, supporting documentation, and fee(s) to: State Fire Training, Fire Fighter 1 Upgrade, 2251 Harvard Street, Suite 400, Sacramento, CA 95815.
 - Application must be submitted at least six weeks prior to proposed exam date.
2. State Fire Training conducts an application review.
 - If the applicant does not meet the eligibility requirements, SFT issues a denial.

- If the applicant meets the eligibility requirements, SFT issues an exam authorization form.
- 3. Applicant takes the exam authorization form to an open enrollment ARTP/ALA to schedule and complete the SFT certification exam(s).
 - Contact the testing site of your choice to register with the site, not SFT, to participate in the exam process.
- 4. Once all certification exams have been completed State Fire Training conducts an eligibility review.
 - If the applicant meets the eligibility requirements, SFT issues the digital certification(s) through the applicant's SFT User Portal.



Identification

Full Name: _____

SFT ID Number: _____

SSN (last 4 digits) _____

Birth Date: _____

Phone (Mobile): _____

Mailing Address: _____

City, State, Zip Code: _____

Email: _____

Submission Requirements

This application is for applicants who have a California Fire Fighter 1 Certification issued within 10 years of the date of submitting this application and are seeking an IFSAC/Pro Board accredited Fire Fighter 1 Certification.

Submit documentation to verify completion of the following requirements. You do not need to submit verification for anything issued by State Fire Training (SFT) already documented in your SFT User Portal.

Certification

- California OSFM Fire Fighter 1 (issued within the past 10 years)

Education

- Confined Space Rescue Awareness (Only if completed through IAFF)
- IS-100, ICS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)

Fees

- \$60 Fire Fighter Upgrade review fee (non-refundable) - payable to: State Fire Training

Authority

I, the undersigned, am the person applying for certification. I hereby certify under penalty of perjury under the laws of the State of California, that all information contained in this application is true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection. I understand that if my application is revoked for falsification of information or documents, that I will not be able to reapply for two years.

Applicant Signature: _____ Date: _____

1400A



Fire Fighter 1 (2019) Certification Reciprocity Application Instructions

ADOPT

Overview

The California Office of the State Fire Marshal (OSFM) Fire Fighter 1 (2019) Certification contains three professional qualifications levels set by the National Fire Protection Association (NFPA): NFPA 1001: Fire Fighter I, NFPA 1072: Hazardous Materials/WMD Awareness and Operations, and NFPA 1051: Wildland Fire Fighter I.

The Fire Fighter 1 (2019) Reciprocity Application is for applicants who have an IFSAC and/or Pro Board accredited Fire Fighter 1 certification (with a minimum of Fire Fighter 1 and Hazardous Materials Awareness and Operations) and are seeking a California OSFM Fire Fighter 1 Certification through reciprocity. Note: SFT will reject any certifications that do not bear the appropriate IFSAC and/or Pro Board seals.

Reciprocity applicants who do not have all three NFPA professional qualification levels listed above must complete the academic training and certification exams for any missing level and submit this application in two phases (See Option B).

State Fire Training (SFT) only issues combined IFSAC/Pro Board certifications. SFT will not issue a standalone IFSAC or Pro Board certification to an applicant who already holds a certification from only one of the two organizations.

Apply using Option A if you have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1, Hazardous Materials Awareness and Operations, and Wildland Fire Fighter 1.

Apply using Option B if you have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1 and Hazardous Materials Awareness and Operations but not Wildland Fire Fighter 1.

Option A - Reciprocity Requirements

Use Option A if you have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1, Hazardous Materials Awareness and Operations, and Wildland Fire Fighter 1.

Certification (with IFSAC and/or Pro Board seals)

- Fire Fighter 1
- Hazardous Materials Awareness/Operations: Mission Specific: PPE, Product Control
- Wildland Fire Fighter 1

Education

- Confined Space Rescue Awareness (SFT or IAFF) or Confined Space Rescue Technician (SFT)
- IS-100, IS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)

Option A - Application Process

1. Applicant mails the Fire Fighter 1 (2019) Certification Reciprocity Application, supporting documentation, and fee(s) to: State Fire Training, Fire Fighter 1 Reciprocity, 2251 Harvard Street, Suite 400, Sacramento, CA 95815.

- Check the Option A box on the application.
- 2. State Fire Training conducts an application review.
 - If the applicant does not meet the eligibility requirements, SFT issues a denial.
 - If the applicant meets the eligibility requirements, SFT issues the digital certification(s) through the applicant's SFT User Portal at:
<https://osfm-sft.acadisonline.com/>

Option B - Reciprocity Requirements

Use Option B if you have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1 and Hazardous Materials Awareness and Operations but not Wildland Fire Fighter 1.

Certification (with IFSAC and/or Pro Board seals)

- Fire Fighter 1
- Hazardous Materials Awareness/Operations: Mission Specific: PPE, Product Control

Education

- Confined Space Rescue Awareness (SFT or IAFF) or Confined Space Rescue Technician (SFT)
 - IS-100, IS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)
 - Fire Fighter 1C: Wildland (SFT) or (one of the following) (online courses are not accepted)*
 - S-130, S-190, and L-180 (CICCS and/or NWCG)
 - Basic Fire Fighter Training (CAL FIRE)
 - Wildland Fire Fighter course (CAL JAC)
- *Used to validate training only. Successful completion of required cognitive and psychomotor skills exam modules are required for all levels.

Certification Exam(s)

- Cognitive Exam Module(s)
 - NFPA 1051: Wildland Fire Fighter 1 (SFT Fire Fighter 1C: Wildland)
- Psychomotor Skills Exam Module(s)
 - NFPA 1051: Wildland Fire Fighter 1 (SFT Fire Fighter 1C: Wildland)

Option B - Application Process

1. Applicant mails the Fire Fighter 1 (2019) Certification Reciprocity Application, supporting documentation, and fee(s) to: State Fire Training, Fire Fighter 1 Reciprocity, 2251 Harvard Street, Suite 400, Sacramento, CA 95815.
 - Check the Option B box on the application.
 - Application must be submitted at least six weeks prior to proposed exam date.
2. State Fire Training conducts an application review.
 - If the applicant does not meet the eligibility requirements, SFT issues a denial.
 - If the applicant meets the eligibility requirements, SFT issues an exam authorization form.
3. Applicant takes the exam authorization form to an open enrollment Accredited Regional Training Program (ARTP) or Accredited Local Academy (ALA) to schedule and complete the SFT certification exam(s).

Fire Fighter 1 (2019) Certification Reciprocity Application

- Contact the ARTP/ALA of your choice to register with the site, not SFT, to participate in the exam process.
4. Once all certification exams have been completed State Fire Training conducts an eligibility review.
- If the applicant meets the eligibility requirements, SFT issues the digital certification(s) through the applicant's SFT User Portal.



Identification

Full Name: _____

SFT ID Number: _____ (leave blank if you don't have one)

SSN (last 4 digits) _____

Birth Date: _____

Phone (Mobile): _____

Mailing Address: _____

City, State, Zip Code: _____

Email: _____

Option A – Submission Requirements

Option A is for applicants who have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1, Hazardous Materials Awareness & Operations, and Wildland Fire Fighter 1. Submit documentation to verify completion of the following requirements. You do not need to submit verification for anything issued by State Fire Training (SFT) already documented in your SFT User Portal.

Certification (with IFSAC and/or Pro Board seals)

- Fire Fighter 1
- Hazardous Materials Awareness/Operations: Mission Specific: PPE, Product Control
- Wildland Fire Fighter 1

Education

- Confined Space Rescue Awareness (Only if completed through IAFF)
- IS-100, IS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)

Fee

- \$210 Fire Fighter Reciprocity review fee and California OSFM Fire Fighter 1 (2019) Certification (non-refundable) - payable to: State Fire Training

Option B – Obtain Exam Authorization

Option B is for applicants who have an IFSAC and/or Pro Board accredited certification that includes Fire Fighter 1 and Hazardous Materials Awareness and Operations but not Wildland Fire Fighter 1 who need an SFT exam authorization form to register for the Wildland Fire Fighter 1 (2013) cognitive and psychomotor skills exam modules at an ARTP/ALA. Submit documentation to verify completion of the following requirements. You do not need to submit verification for anything issued by State Fire Training (SFT) already documented in your SFT User Portal.

Certification (with IFSAC and/or Pro Board seals)

- Fire Fighter 1
- Hazardous Materials Awareness/Operations: Mission Specific: PPE, Product Control



STATE OF CALIFORNIA, NATURAL RESOURCES AGENCY
DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL – STATE FIRE TRAINING
**Fire Fighter 1 (2019) Certification Reciprocity
Application**
(REV. 07/20)

ADOPT

Education

- Confined Space Rescue Awareness (SFT or IAFF) or Confined Space Rescue Technician (SFT)
- IS-100, IS-200, IS-700, and IS-800 (SFT, CAL FIRE, FEMA, NWCG)
- Fire Fighter 1C: Wildland (SFT) or one of the following (online courses are not accepted)
 - S-130, S-190, and L-180 (CICCS and/or NWCG)
 - Basic Fire Fighter Training (CAL FIRE)
 - Wildland Fire Fighter course (CAL JAC)

Fee

- \$60 Fire Fighter Reciprocity review fee (non-refundable) - payable to: State Fire Training

Authority

I, the undersigned, am the person applying for certification. I hereby certify under penalty of perjury under the laws of the State of California, that all information contained in this application is true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection. I understand that if my application is revoked for falsification of information or documents, that I will not be able to reapply for two years.

Applicant Signature: _____ Date: _____

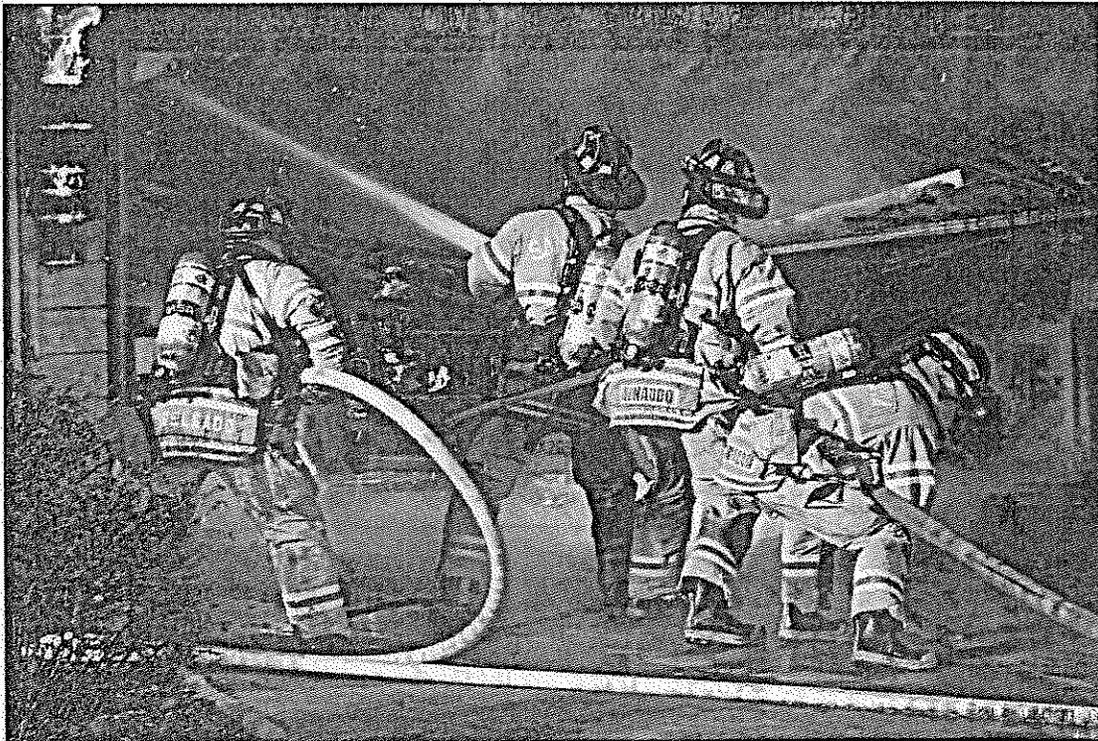
(CAL FIRE Account Code: 0198-####-4143500-4143500007-35405902-59210)

ADOPT

Fire Fighter 1

(NFPA Fire Fighter I, HazMat/WMD FRA and FRO, and
Wildland Fire Fighter 1)

Certification Training Standards Guide (2019)



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

Fire Fighter 1

Certification Training Standards Guide (2019)

Publication Date: January 2020

This CTS guide utilizes the following NFPA standards to provide the qualifications for State Fire Training's Fire Fighter 1 (2019) certification:

- NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
- NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
- NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)

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 Craig Allyn Rose Photography.

Published by State Fire Training.

Table of Contents

Acknowledgements.....	1
How to Read a CTS Guide	2
Fire Fighter 1 - Structure.....	4
Section 1: Structure Fire Fighter Duties.....	4
1-1: Role of the Fire Fighter 1	4
1-2: Inspecting and Maintaining Personal Protective Equipment.....	6
1-3: Inspecting and Maintaining Self-Contained Breathing Apparatus.....	7
1-4: Donning Structural Personal Protective Equipment	8
1-5: Donning Self-Contained Breathing Apparatus	9
1-6: Doffing Self-Contained Breathing Apparatus	10
1-7: Doffing Personal Protective Equipment	11
1-8: Doffing Self-Contained Breathing Apparatus and Personal Protective Equipment for Gross Decontamination	12
1-9: Identifying Confined Spaces	13
1-10: Operating within the Incident Command System	15
1-11: Physical Health and Safety.....	16
1-12: Behavioral Health	17
1-13: Cancer Awareness	19
Section 2: Fire Department Communications	22
2-1: Initiating the Response to a Reported Emergency.....	22
2-2: Receiving a Telephone Call	23
2-3: Transmitting and Receiving Messages via Radio.....	24
2-4: Activating an Emergency Call of Assistance	25
Section 3: Fire Ground Operations	26
3-1: Using Self-contained Breathing Apparatus During Emergency Operations.....	26
3-2: Responding on an Apparatus to an Emergency Scene.....	28
3-3: Establishing and Operating in Work Areas at Emergency Scenes.....	29
3-4: Forcing Entry into a Structure.....	30
3-5: Exiting a Hazardous Area	31
3-6: Setting Up, Mounting, Ascending, Dismounting, and Descending Ground Ladders.....	32
3-7: Attacking a Passenger Vehicle Fire	34
3-8: Extinguishing Fires in Exterior Class A Materials	36
3-9: Conducting a Search and Rescue in a Structure	38
3-10: Attacking an Interior Structure Fire.....	40
3-11: Performing Horizontal Ventilation on a Structure	43
3-12: Performing Vertical Ventilation on a Structure	44
3-13: Overhauling a Fire Scene	46
3-14: Conserving Property	48
3-15: Connecting a Fire Department Pumper to a Water Supply	50
3-16: Extinguishing Incipient Class A, Class B, and Class C Fires.....	52

Table of Contents

3-17: Operating Emergency Scene Lighting.....	53
3-18: Turning Off Building Utilities	54
3-19: Combatting a Ground Cover Fire.....	55
3-20: Tying Knots Appropriate for Hoisting Tools	56
3-21: Operating Hand and Power Tools.....	57
3-22: Operating an Air-Monitoring Instrument.....	58
Section 4: Preparedness and Maintenance	59
4-1: Cleaning and Checking Ladders, Ventilation Equipment, SCBA, Ropes, Salvage Equipment, and Hand Tools.....	59
4-2: Cleaning, Inspecting, and Returning Fire Hose to Service	61
Hazardous Materials/WMD	62
Section 5: Awareness.....	62
5-1: Description of Duties (Awareness)	62
5-2: Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards.....	63
5-3: Isolating the Hazard Area and Denying Entry.....	65
5-4: Initiating Required Notifications	66
Section 6: Operations.....	67
6-1: Description of Duties (Operations).....	67
6-2: Identifying the Scope of a Hazardous Materials/WMD Incident	68
6-3: Identifying Action Options for a Hazardous Materials/WMD Incident.....	70
6-4: Performing Assigned Tasks at a Hazardous Materials/WMD Incident	72
6-5: Performing Emergency Decontamination at a Hazardous Materials/ WMD Incident..	74
6-6: Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident.....	76
Section 7: Operations – Mission Specific.....	77
7-1: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident.....	77
7-2: Performing Product Control Techniques at a Hazardous Materials/WMD Incident	79
Wildland Fire Fighter 1.....	81
Section 8: Wildland Fire Fighter Duties	81
8-1: Role of the Wildland Fire Fighter.....	81
8-2: Donning Wildland Personal Protective Equipment.....	83
8-3: Deploying a Fire Shelter.....	84
8-4: Doffing Wildland Personal Protective Equipment.....	85
Section 9: Preparedness	86
9-1: Maintaining Assigned Personal Protective Equipment	86
9-2: Maintaining Assigned Suppression Hand Tools and Equipment.....	87
Section 10: Suppression.....	88
10-1: Assembling and Preparing for Response.....	88
10-2: Recognizing Hazards and Unsafe Situations.....	89
10-3: Constructing a Fireline.....	91
10-4: Securing the Fireline	93
10-5: Reducing the Threat of Fire Exposure to Improved Properties	94
10-6: Mopping Up a Fire Area.....	95

Table of Contents

10-7: Patrolling the Fire Area.....	96
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How to Read a CTS Guide

Overview

A certification training standard (CTS) guide lists the requisite knowledge, skills, and job performance requirements an individual must complete in order to become certified in a specific job function.

It also documents and justifies the OSFM-approved revisions to the certification's NFPA standard, and identifies where each certification training standard is taught (course plan), tested (skill sheets), and validated (task book).

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 agency or jurisdiction.

Format

Each certification training standard is comprised of eight sections.

Section Heading

Training standards are grouped by section headings that describe a general category. For example, the Fire Fighter 1 CTS guide includes the following section headings: NFPA Requirements, Fire Department Communications, Fireground Operations, and Preparedness and Maintenance.

Training Standard Title

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

Authority

The CTS guide references each individual 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*.

Job Performance Requirements

This segment includes a written statement that describes a specific job-related task, the items an individual needs to complete the task, and measurable or observable outcomes.

Requisite Knowledge

This segment lists the knowledge that an individual must acquire in order to accomplish the job performance requirement.

Requisite Skills

This segment lists the skills that an individual must acquire in order to accomplish the job performance requirement.

Content Modification

This table documents and justifies any revisions to the NFPA standard that the development or validation cadres make during the development of a CTS guide.

Cross Reference

This table documents where each training standard is taught (course plan), tested (skill sheets), and validated (task book).

Fire Fighter 1 - Structure

Section 1: Structure Fire Fighter Duties

1-1: Role of the Fire Fighter 1

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.1.1, 4.1.2

Job Performance Requirement

There is no job performance requirement identified for this training standard.

Requisite Knowledge

1. *Describe* the organization of the fire department
2. *Describe* the role of the Fire Fighter 1 in the organization
3. *Describe* the mission of fire service
4. *Describe* the fire department's standard operating procedures (SOPs) and rules and regulations as they apply to the Fire Fighter 1
5. *Describe* the value of fire and life safety initiatives in support of the fire department mission and to reduce fire fighter line-of-duty injuries and fatalities
6. *Identify* the role of other agencies as they relate to the fire department
7. *Identify* the signs and symptoms of behavioral and emotional distress
8. *Identify* aspects of the fire departments' member assistance program
9. *Describe* the importance of physical fitness and a healthy lifestyle to the performance of the duties of a fire fighter
10. *Define* the critical aspects of NFPA 1500

Requisite Skills

1. Don personal protective clothing, doff personal protective clothing, perform field reduction of contaminants, and prepare for reuse
2. Hoist tools and equipment using ropes and the correct knot
3. Locate information in departmental documents and standards or code materials

Content Modification

Block	Modification	Justification

Fire Fighter 1 - Structure
 Section 1: Structure Fire Fighter Duties

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 1-3: Fire Fighter 1 Roles and Responsibilities <ul style="list-style-type: none"> • RK 1, 2, 3, 4, 5, 6 and RS 3 Fire Fighter 1A, Topic 2-2: Health and Safety Awareness <ul style="list-style-type: none"> • RK 9, 10 Fire Fighter 1A, Topic 2-3: Stress and Resilience <ul style="list-style-type: none"> • RK 7, 8 Fire Fighter 1A, Topic 2-5: Structural Personal Protective Ensemble <ul style="list-style-type: none"> • RS 1 Fire Fighter 1A, Topic 4-1: Utilizing Ropes and Knots <ul style="list-style-type: none"> • RS 2 	Cognitive only – no testable skills	Cognitive only – no testable skills

1-2: Inspecting and Maintaining Personal Protective Equipment

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Inspect and maintain structural personal protective equipment (PPE), given PPE, so that PPE is inspected, maintained, and returned to a ready state.

Requisite Knowledge

1. Identify the components of structural PPE
2. Explain the importance of standards for structural PPE
3. Describe how improper usage or maintenance can compromise PPE effectiveness
4. Describe proper method for inspecting, cleaning, and maintaining structural PPE
5. Identify when to remove PPE from service
6. Describe how to remove PPE from service

Requisite Skills

1. Inspect structural PPE
2. Clean structural PPE
3. Maintain structural PPE

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for inspecting and maintaining PPE but it is a Cal/OSHA requirement: 8 CCR § 3401(b)(4).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-5: Structural Personal Protective Ensemble	1-7: Doff, Inspect, and Prepare Structural PPE for Reuse	(CTS 1-2)

1-3: Inspecting and Maintaining Self-Contained Breathing Apparatus

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Inspect and maintain self-contained breathing apparatus (SCBA), given SCBA, so that SCBA is inspected, maintained, and returned to a ready state.

Requisite Knowledge

1. Identify the components of SCBA
2. Explain the importance of standards for SCBA
3. Describe how improper fit, usage, or maintenance can compromise SCBA effectiveness
4. Identify the proper method for inspecting, cleaning, and maintaining SCBA
5. Identify when to remove SCBA from service
6. Describe how to remove SCBA from service

Requisite Skills

1. Inspect SCBA
2. Clean SCBA
3. Maintain SCBA

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for inspecting and maintaining SCBA but it is a Cal/OSHA requirement: 8 CCR § 5144(k).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus	1-3: Inspect SCBA	(CTS 1-3)

1-4: Donning Structural Personal Protective Equipment

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Don structural personal protective equipment (PPE), given PPE, so the PPE is donned in 60 seconds or less and all elements of the PPE ensemble are worn in accordance with manufacturer guidelines.

Requisite Knowledge

1. Describe the protection provided by structural PPE
2. Describe the limitations of structural PPE
3. Identify manufacturer guidelines for correct PPE use

Requisite Skills

1. Don PPE

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for donning PPE. OSFM uses 60 seconds as the industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-5: Structural Personal Protective Ensemble	1-4: Don Structural PPE	(CTS 1-4)

1-5: Donning Self-Contained Breathing Apparatus

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Don self-contained breathing apparatus (SCBA), given SCBA, so that the SCBA is donned in 60 seconds or less and all elements of the SCBA are worn and operated in accordance with manufacturer guidelines.

Requisite Knowledge

1. Identify conditions that require respiratory protection
2. Describe the protection provided by SCBA
3. Describe the uses and limitations of SCBA
4. Describe potential long-term consequences of exposure to products of combustion
5. Identify manufacturer guidelines for correct SCBA use
6. Describe operational inspection procedures for SCBA

Requisite Skills

1. Don SCBA
2. Perform operational inspection of SCBA

Content Modification

Block	Modification	Justification
CTS	Added a certification standard.	NFPA 1001 does not include a designated JPR for donning SCBA. OSFM uses 60 seconds as the industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus	1-5: Don SCBA	(CTS 1-5)

1-6: Doffing Self-Contained Breathing Apparatus

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Doff self-contained breathing apparatus (SCBA), given SCBA, so that SCBA is removed in accordance with manufacturer guidelines and returned to a ready state.

Requisite Knowledge

1. Identify when it is safe to doff respiratory protection
2. Identify manufacturer guidelines for doffing SCBA
3. Identify AHJ policies and procedures for doffing SCBA

Requisite Skills

3. Doff SCBA
4. Return SCBA to a ready state

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for doffing SCBA but it is a California requirement: 8 CCR § 5144(k).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus	1-6: Doff SCBA	(CTS 1-6)

1-7: Doffing Personal Protective Equipment

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Doff structural personal protective equipment (PPE), given PPE, so that PPE is removed in accordance with manufacturer guidelines and returned to a ready state.

Requisite Knowledge

1. Identify when it is safe to doff PPE
2. Identify manufacturer guidelines for doffing PPE
3. Identify AHJ policies and procedures for doffing PPE

Requisite Skills

5. Doff PPE
6. Return PPE to a ready state

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for doffing PPE.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-5: Structural Personal Protective Ensemble	1-7: Doff, Inspect, and Prepare Structural PPE for Reuse	(CTS 1-7)

1-8: Doffing Self-Contained Breathing Apparatus and Personal Protective Equipment for Gross Decontamination

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Doff self-contained breathing apparatus (SCBA) and structural personal protective equipment (PPE), given SCBA and PPE, so that SCBA and PPE are removed to reduce contaminant exposure; SCBA and PPE undergo gross decontamination and are tagged and transported; and fire fighter conducts physical decontamination as soon as possible, in order to reduce exposure to field contaminants.

Requisite Knowledge

1. Identify the purpose and benefits of gross decontamination
2. Identify parts of the body most susceptible to contaminate exposure
3. Identify common routes of exposure
4. Describe how to conduct onsite gross decontamination
5. Describe how to doff SCBA and PPE to reduce exposure to field contaminants
6. Describe how to tag and transport contaminated SCBA and PPE
7. Identify personal decontamination processes

Requisite Skills

1. Don and doff SCBA and PPE

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1001 does not include a designated JPR for PPE gross decontamination. Added to incorporate IAFF Cancer Awareness and Prevention Initiative to increase awareness and promote cultural change.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-8: Doffing SCBA and PPE for Gross Decontamination	1-8: Doff SCBA and PPE for Gross Decontamination	(CTS 1-8)

1-9: Identifying Confined Spaces

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Identify a permit-required and non-permit-required confined space, given an incident and a confined space, so that hazards associated with confined spaces are identified, equipment is secured, and incident management operations and communications are followed, in accordance with state regulations and industry standards.

Requisite Knowledge

1. Identify regulations and standards applicable to confined space incidents
2. Describe the history and dangers of confined space incidents
3. Describe how to identify a confined space
4. Describe how to identify a permit-required confined space
5. Describe how to recognize hazards
6. Describe how to isolate hazards and minimize risks
7. Describe how to recognize the need for and manage support resources
8. Describe how to ensure that resource application fits the operational requirements
9. Describe how to recognize the need for technical rescue resources
10. Describe how to search areas immediately adjacent to the space
11. Describe how to establish victim communication
12. Describe how to determine a victim survivability profile
13. Describe how to evaluate a non-entry rescue
14. Describe how to perform a non-entry rescue
15. Describe the positions and components of a permit-required confined space entry
16. Describe Cal/OSHA confined space operational positions and responsibilities

Requisite Skills

1. None required

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	California state law (8 CCR § 5157-5158) not captured by NFPA 1001.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
CSRA: Confined-Space Rescue Awareness (2018)	Covered in CSRA training materials	(CTS 1-9)

Fire Fighter 1 - Structure
Section 1: Structure Fire Fighter Duties

The training for this standard can be met through the completion of State Fire Training's Confined Space Rescue Awareness course.

1-10: Operating within the Incident Command System

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Operate within the Incident Command System (ICS), given an incident and an incident action plan, so that organizational elements are recognized, positions and responsibilities are identified, facility needs are met, and the incident is managed, in accordance with state and federal regulations.

Requisite Knowledge

1. Explain the principles and basic structure of the Incident Command System (ICS)
2. Describe the NIMS management characteristics that are the foundation of the ICS
3. Describe the ICS functional areas and the roles of the Incident Commander and Command Staff
4. Describe the General Staff roles within ICS
5. Identify how NIMS management characteristics apply to ICS for a variety of roles and discipline areas

Requisite Skills

1. None required

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	This California state law is not captured by NFPA 1001: 19 CCR § 2403. See also: Homeland Security Presidential Directive, HSPD-5, Section 502, of the Homeland Security Act, 6 U.S.C. §§ 101 et. seq.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-1: Operating within the Incident Command System	Covered in other training modules	(CTS 2-1)

The training for this standard can be met through the completion of FEMA's IS-100: Introduction to the Incident Command System and IS-700: An Introduction to the National Incident Management System.

1-11: Physical Health and Safety

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Identify common fire fighter health and safety issues, given an assignment, in order to avoid or mitigate common accidents and injuries, maintain a healthy and physically fit lifestyle, and conduct life safety initiatives in the line of duty.

Requisite Knowledge

1. List common types of accidents and injuries and identify their causes
2. Describe how physical fitness and a healthy lifestyle correspond to fire fighter performance
3. Define critical aspects of NFPA 1500: Standard on Fire Department Occupational Safety and Health Program (current edition)
4. Describe how fire and life safety initiatives support a fire department's mission to reduce fire fighter line-of-duty injuries and deaths

Requisite Skills

1. None required

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	Application of this behavior reduces fire fighter injury, illness, and fatalities.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-2: Health and Safety Awareness	Cognitive only – no testable skills	(CTS 1-11)

1-12: Behavioral Health

Note: The State Board of Fire Service (SBFS) did not review 1-12: Behavioral Health when they approved the Fire Fighter 1 (2019) curriculum and certification. SFT has placed Section 1-12 in the CTS Guide as reference material in anticipation of SBFS approval of BHCA 1A: Behavioral Health and Cancer Awareness course. BHCA 1A course was developed to be delivered as a standalone course and imbedded into Fire Fighter 1A. SFT will be seeking the approval of BHCA 1A from the Statewide Training and Education Advisory Committee (STEAC) and SBFS approval in early 2020. SFT encourages agencies and instructors delivering Fire Fighter 1A to deliver this portion of the Fire Fighter 1A course plan.

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Describe common sources and impacts of stress and demonstrate practices that contribute to resilience, given an assignment in the fire service, in accordance with current research and best practices.

Requisite Knowledge

1. *Define types of stress*
2. *Describe signs and symptoms of stress*
3. *Describe reactions to stress*
4. *Identify common stressors found in various situations and environments*
5. *Describe physiological and emotional impacts of stress*
6. *Describe behaviors associated with unmanaged stress*
7. *Describe the role of nutrition, sleep, exercise, relaxation techniques, and rest in mediating and mitigating stress*
8. *Describe healthy and unhealthy coping mechanisms*
9. *Identify potential consequences of unhealthy coping mechanisms*
10. *Describe the role of communication in coping with stress*
11. *Describe behavioral health resources available through an AHJ*
12. *Describe behavioral health resources available outside of the fire service*

Requisite Skills

1. *Demonstrate the self-assessment process*
2. *Demonstrate relaxation techniques*

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	Added to address critical health and safety concerns facing the fire service not covered by NFPA standards.

Fire Fighter 1 - Structure
Section 1: Structure Fire Fighter Duties

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-3: Stress and Resilience	Cognitive only – no testable skills	Cognitive only – no testable skills

1-13: Cancer Awareness

Note: The State Board of Fire Service (SBFS) did not review 1-13: Cancer Awareness when they approved the Fire Fighter 1 (2019) curriculum and certification. SFT has placed Section 1-13 in the CTS Guide as reference material in anticipation of SBFS approval of BHCA 1A: Behavioral Health and Cancer Awareness course. BHCA 1A course was developed to be delivered as a standalone course and imbedded into Fire Fighter 1A. SFT will be seeking the approval of BHCA 1A from the Statewide Training and Education Advisory Committee (STEAC) and SBFS approval in early 2020. SFT encourages agencies and instructors delivering Fire Fighter 1A to deliver this portion of the Fire Fighter 1A course plan.

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Demonstrate best practices to minimize cancer exposure and risk, given an assignment in the fire service so that the types, prevalence of, and common causes of cancer in the fire service are described, exposure to carcinogenic chemicals is described, and cancer exposure and risk are mitigated in accordance with current research and best practices.

Requisite Knowledge

1. Describe cancer prevalence in the fire service
2. Define "carcinogenic agent"
3. Identify risk factors specific to the fire service
4. Identify risk or protective factors specific to lifestyle
5. Identify exposure sources
6. Identify common states of carcinogenic chemicals
7. Identify common categories of carcinogenic chemicals
8. Identify exposure routes
9. Identify common activities, objects, and locations associated with exposure
10. Identify modifiable and unmodifiable risk factors
11. Define "exclusion (hot) zones," "contamination reduction (warm) zones," and "support (cold) zones"
12. Identify best practices that minimize contaminant exposure and risk during fire suppression, overhaul, mop-up, and post-incident activities
13. Identify best practices for PPE that minimize contaminant exposure and risk
14. Identify best practices for equipment that minimize contaminant exposure and risk
15. Identify best practices that minimize contaminant exposure and risk at the station
16. Identify best practices that minimize contaminant exposure and risk at home

Requisite Skills

1. Demonstrate best practices that minimize contaminant exposure and risk during fire suppression, overhaul, mop-up, and post-incident activities
2. Demonstrate best practices for PPE that minimize contaminant exposure and risk

Fire Fighter 1 - Structure

Section 1: Structure Fire Fighter Duties

3. *Demonstrate best practices for equipment that minimize contaminant exposure and risk*
4. *Demonstrate best practices that minimize contaminant exposure and risk at the station*
5. *Demonstrate best practices that minimize contaminant exposure and risk at home*
6. *Document all exposures, injuries, and illnesses within AHJ reporting system*

Fire Fighter 1 - Structure
Section 1: Structure Fire Fighter Duties

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	Added to address critical health and safety concerns facing the fire service not covered by NFPA standards.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-4: Cancer Awareness	Cognitive only – no testable skills	Cognitive only – no testable skills

Section 2: Fire Department Communications

2-1: Initiating the Response to a Reported Emergency

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.2.1
2. Office of the State Fire Marshal

Job Performance Requirement

Initiate the response to a reported emergency, given the report of an emergency, fire department SOPs, and communications equipment, so that all necessary information is obtained, communications equipment is operated correctly, and the information is relayed promptly and accurately to the dispatch center.

Requisite Knowledge

1. *Explain* the procedures for reporting an emergency
2. *Identify* departmental SOPs for taking and receiving alarms, radio codes, or procedures
3. *List* information needs of dispatch center
4. Identify different types of fire department communications equipment

Requisite Skills

1. Operate fire department communications equipment
2. Relay information
3. Record information

Content Modification

Block	Modification	Justification
RK 4	Added knowledge component.	The JPR requires the candidate to have equipment and use it correctly, but doesn't include any knowledge of it.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 3-2: Initiating a Response to a Reported Emergency	2-1: Initiate a Response to an Emergency	(CTS 2-1)

2-2: Receiving a Telephone Call

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.2.2
2. Office of the State Fire Marshal

Job Performance Requirement

Receive a telephone call, given a fire department phone, so that procedures for answering the phone are used and the caller's information is relayed.

Requisite Knowledge

1. *Describe* fire department procedures for answering non-emergency telephone calls

Requisite Skills

1. Operate fire station telephone and intercom equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 3-1: Receiving a Non-emergency Telephone Call	2-2: Receive a Telephone Call	(CTS 2-2)

2-3: Transmitting and Receiving Messages via Radio

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.2.3
2. Office of the State Fire Marshal

Job Performance Requirement

Transmit and receive messages via the fire department radio, given a fire department radio and *standard* operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.

Requisite Knowledge

1. *Describe* departmental radio procedures and etiquette for routine *radio* traffic, emergency *radio* traffic, and emergency *radio* evacuation signals
2. Identify types and operations of fire department radios

Requisite Skills

1. Operate radio equipment
2. *Identify the differences* between routine and emergency *radio* traffic

Content Modification

Block	Modification	Justification
JPR	Added "standard".	Added for consistency with other instances within NFPA 1001.
RK 1	Added "radio" three times.	Added to clarify that this only covers the radio aspects of these items.
RK 2	Added knowledge component.	The JPR requires the candidate to have a radio and use it correctly, but doesn't include any knowledge of types and use.
RS 2	Changed "discriminate" to "identify the difference". Added "radio".	SFT uses neutral language whenever possible without changing content or context. Added "radio" to clarify that this only covers the radio aspect of emergency traffic.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 3-3: Transmitting and Receiving Messages Via Radio	2-3: Operate a Fire Department Radio	(CTS 2-3)

2-4: Activating an Emergency Call of Assistance

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.2.4

Job Performance Requirement

Activate an emergency call for assistance, given vision-obscured conditions, PPE, and department SOPs, so that the fire fighter can be located and rescued.

Requisite Knowledge

1. *Describe* different personnel accountability systems
2. *Describe* emergency communication procedures
3. *Describe* emergency evacuation methods

Requisite Skills

1. Initiate an emergency call for assistance in accordance with the AHJ's procedures
2. Use other methods of emergency calls for assistance

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 6-1: Structural Fire Fighter Survival	3-5: Activate an Emergency Call and Exit a Hazardous Area	(CTS 2-4)

Section 3: Fire Ground Operations

3-1: Using Self-contained Breathing Apparatus During Emergency Operations

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.1
2. Office of the State Fire Marshal

Job Performance Requirement

Use self-contained breathing apparatus (SCBA) during emergency operations, given SCBA and other PPE, so that the SCBA is correctly donned, the SCBA is correctly worn, controlled breathing techniques are used, emergency procedures are enacted if the SCBA fails, all low-air warnings are recognized, respiratory protection is not intentionally compromised, and hazardous areas are exited prior to air depletion.

Requisite Knowledge

1. *Identify* conditions that require respiratory protection
2. *Describe* the uses and limitations of SCBA
3. *Identify* the components of SCBA
4. *Describe different* donning procedures
5. *Describe different* breathing techniques
6. Describe how to monitor and manage air consumption
7. *Describe* indications for and emergency procedures used with SCBA
8. *Identify* physical requirements of the SCBA wearer

Requisite Skills

1. Demonstrate different controlled breathing techniques
3. Replace SCBA air cylinders
4. Use SCBA to exit through restricted passages
5. Monitor and manage air consumption
6. Initiate and complete emergency procedures in the event of SCBA failure or air depletion
7. Complete donning procedures

Content Modification

Block	Modification	Justification
RK 6	Added knowledge component.	Added to comply with NFPA 1404.
RS 4	Added skills component.	Added to comply with NFPA 1404.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus <ul style="list-style-type: none">• RK 1, 2, 3, 4 and RS 6 Fire Fighter 1A, Topic 2-7: Using SCBA During Emergency Operations <ul style="list-style-type: none">• RK 5, 6, 7, 8 and RS 1, 2, 3, 4, 5	3-1a: Replace an SCBA Air Cylinder 3-1b: Use SCBA During Emergency Operations	(CTS 3-1)

3-2: Responding on an Apparatus to an Emergency Scene

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.2

Job Performance Requirement

Respond on apparatus to an emergency scene, given *an apparatus*, personal protective clothing and other necessary PPE, so that the apparatus is correctly mounted and dismounted, seat belts are used while the vehicle is in motion, and other personal protective equipment is correctly used.

Requisite Knowledge

1. *Describe* mounting and dismounting procedures for riding fire apparatus
2. *Identify* hazards and ways to avoid hazards associated with riding apparatus
3. *Describe* prohibited practices
4. *Identify different* types of department PPE and *their* means for usage

Requisite Skills

1. Use each piece of provided safety equipment

Content Modification

Block	Modification	Justification
JPR	Added "an apparatus".	Not included in the given but required to complete the task.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-9: Responding on an Apparatus to an Emergency Scene	3-2: Respond to an Emergency Scene on an Apparatus	(CTS 3-2)

3-3: Establishing and Operating in Work Areas at Emergency Scenes

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.3

Job Performance Requirement

Establish and operate in work areas at emergency scenes, given *an apparatus, personal protective equipment, traffic and scene control devices, structure fire and roadway emergency scenes, traffic hazards and downed electrical wires, photovoltaic power systems, battery storage systems, an assignment, and SOPs*, so that procedures are followed, protective equipment is worn, protected work areas are established as directed using traffic and scene control devices, and the fire fighter performs assigned tasks only in established, protected work areas.

Requisite Knowledge

1. *Identify* potential hazards involved in operating on emergency scenes including vehicle traffic, utilities, and environmental conditions
2. *Describe* proper procedures for *mounting and* dismounting apparatus in traffic
3. *Describe* procedures for safe operation at emergency scenes
4. *Identify* the protective equipment available for members' safety on emergency scenes and work zone designations

Requisite Skills

1. Use personal protective clothing
2. Deploy traffic and scene control devices
3. Dismount apparatus
4. Operate in the protected work areas as directed

Content Modification

Block	Modification	Justification
JPR	Added "an apparatus".	Not included in the given but required to complete the task.
JPR	Added "personal".	Added for consistency with other references to PPE.
RK 2	Added "mounting and".	Added for consistency with other standards. Mounting is equally as important as dismounting.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-10: Establishing and Operating in Work Areas at Emergency Scenes	3-3: Operate at an Emergency Scene	(CTS 3-3)

3-4: Forcing Entry into a Structure

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.4

Job Performance Requirement

Force entry into a structure, given PPE, tools, *a prop or structure with doors, walls, and windows*, and an assignment, so that the tools are used as designed, the barrier is removed, and the opening is in a safe condition and ready for entry.

Requisite Knowledge

1. *Describe* basic construction of typical doors, windows, and walls within the department's community or service area
2. *Describe types and uses of hand and power tools used for forcible entry*
3. *Describe* the operation of doors, windows, and locks
4. *Identify* the dangers associated with forcing entry through doors, windows, and walls

Requisite Skills

1. Transport and operate hand and power tools
2. Force entry through doors, windows, and walls using assorted methods and tools

Content Modification

Block	Modification	Justification
JPR	Added "a prop or structure with doors, walls, and windows"	Required to complete the JPR but not included in the given.
RK 2	Added knowledge component.	Not included in NFPA 1001 but required to complete RS 1.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-1: Building Construction <ul style="list-style-type: none"> • RK 1 Fire Fighter 1A, Topic 5-10: Forcing Entry into a Structure <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2 	3-4: Force Entry into a Structure	(CTS 3-4)

3-5: Exiting a Hazardous Area

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.5

Job Performance Requirement

Exit a hazardous area as a team, given vision-obscured conditions *and PPE*, so that a safe haven is found before exhausting the air supply, others are not endangered, and the team integrity is maintained.

Requisite Knowledge

1. *Describe* personnel accountability systems
2. *Describe* communication procedures
3. *Describe* emergency evacuation methods
8. *Define* what constitutes a safe haven
4. *Identify* elements that create or indicate a hazard
5. *Identify* emergency procedures for loss of air supply

Requisite Skills

1. Operate as a team member in vision-obscured conditions
2. Locate and follow a guide line
3. Conserve air supply
4. Evaluate areas for hazards
5. Identify a safe haven

Content Modification

Block	Modification	Justification
JPR	Added "and PPE".	Not included in NFPA 1001 but required for fire fighter survival.
RS 2	Changed "guideline" to "guide line".	Changed to clarify meaning. NFPA 1001 used the wrong word.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 6-1: Structural Fire Fighter Survival	3-5: Activate an Emergency Call and Exit a Hazardous Area	(CTS 3-5)

3-6: Setting Up, Mounting, Ascending, Dismounting, and Descending Ground Ladders

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.6
2. Office of the State Fire Marshal

Job Performance Requirement

Set up, mount, ascend, dismount, and descend ground ladders, given single and extension ladders, an assignment, *PPE*, and team members if needed, so that hazards are assessed, the ladder is stable, the angle is correct for climbing, extension ladders are extended to the necessary height with the fly locked, the top is placed against a reliable structural component, and the assignment is accomplished.

Requisite Knowledge

1. *Identify the uses of ground ladders*
2. *Identify the types, parts, and construction features of a ground ladder*
3. *Identify types of lifts, carries, and raises*
4. *Describe how to secure ground ladders*
5. *Describe how to operate from ground ladders*
6. *Describe hazards associated with setting up ladders*
7. *Define what constitutes a stable foundation for ladder placement*
8. *Identify different angles for various tasks*
9. *Describe climbing techniques*
10. *Describe safety limits to the degree of angulation*
11. *Describe what constitutes a reliable structural component for top placement*

Requisite Skills

1. *Lift and carry ladders*
2. *Raise and move ladders*
3. *Extend ladders*
4. *Lock flies*
5. *Secure ground ladders*
6. *Determine that a wall and roof will support the ladder*
7. *Judge extension ladder height requirements*
8. *Place the ladder to avoid obvious hazards*
9. *Mount, ascend, dismount, and descend the ladder*
10. *Demonstrate proper climbing techniques*
11. *Operate from ground ladders*

Content Modification

Block	Modification	Justification
JPR	Added "PPE".	Not included in NFPA 1001 but required for fire fighter survival.
RK 1	Added knowledge component.	Not included in NFPA 1001 but needed for proper ladder use.
RK 2	Added to a knowledge component	Not included in NFPA 1001 but needed for proper ladder use.
RK 3	Added knowledge component.	Not included in NFPA 1001 but needed for proper ladder use.
RK 4	Added knowledge component.	Not included in NFPA 1001 but needed for proper ladder use.
RK 5	Added knowledge component.	Not included in NFPA 1001 but needed for proper ladder use.
RS 1	Added "Lift and".	Changed to match RK 3.
RS 2	Added "and move".	Not included in NFPA 1001 but needed for proper ladder use.
RS 5	Added skills component.	Added to correspond with RK 4.
RS 10	Added skills component.	This is a CalOSHA requirement.
RS 11	Added skills component.	Added to correspond with RK 6.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-8: Cleaning, Inspecting, and Maintaining Fire Service Ladders <ul style="list-style-type: none"> • RK 1, 2 Fire Fighter 1A, Topic 5-9: Ground Ladder Operations <ul style="list-style-type: none"> • RK 3, 4, 5, 6, 7, 8, 9, 10, 11 • RS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 	3-6: Lift, Carry, and Raise a Ground Ladder	(CTS 3-6)

3-7: Attacking a Passenger Vehicle Fire

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.7
2. Office of the State Fire Marshal

Job Performance Requirement

Attack a passenger vehicle fire operating as a member of a team, given personal protective equipment (PPE), *self-contained breathing apparatus (SCBA)*, an attack line (*1½ inch or larger*), hand tools, and *a passenger vehicle or prop*, so that hazards are avoided, leaking flammable liquids are identified and controlled, protection from flash fires is maintained, all vehicle compartments are overhauled, and the fire is extinguished.

Requisite Knowledge

1. *Describe* principles of fire streams as they relate to fighting automobile fires
2. *Identify* precautions to be followed when advancing hose lines toward an automobile
3. *List* observable results that a fire stream has been properly applied
4. Identifying alternative fuels and the hazards associated with them
5. *Describe* dangerous conditions created during an automobile fire
6. *Describe* common types of accidents or injuries related to fighting automobile fires and how to avoid them
7. *Describe* how to access locked passenger, trunk, and engine compartments
8. Identify methods for overhauling an automobile

Requisite Skills

1. Identify automobile fuel types
2. Assess and control fuel leaks
3. Open, close, and adjust the flow and pattern on nozzles
4. Apply water for maximum effectiveness while maintaining flash fire protection
5. Advance 1½ in. (38 mm) or larger diameter attack lines
6. Expose hidden fires by opening all automobile compartments

Content Modification

Block	Modification	Justification
JPR	Added "self-contained breathing apparatus (SCBA)".	CalOSHA requirement for IDLH environments.
JPR	Added "(1½ inch or larger)".	Specified by RS 5.
JPR	Added "a passenger vehicle or prop".	Not included in the given but required to complete the JPR.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 7-2: Attacking a Passenger Vehicle Fire	3-7: Attack a Passenger Vehicle Fire	(CTS 3-7)

3-8: Extinguishing Fires in Exterior Class A Materials

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.8
2. Office of the State Fire Marshal

Job Performance Requirement

Extinguish fires in exterior Class A materials, given fires in stacked or piled *materials*, small unattached structures, or storage containers that can be fought from the exterior, attack lines, hand tools and master stream devices, *PPE*, and an assignment, so that exposures are protected, the spread of fire is stopped, collapse hazards are avoided, water application is effective, the fire is extinguished, and signs of the origin area(s) and arson are preserved.

Requisite Knowledge

1. *Describe* types of attack lines and water streams appropriate for attacking stacked, piled materials, and outdoor fires
2. *Identify* dangers — such as collapse — associated with stacked and piled materials
3. *Describe* various extinguishing agents and their effect on different material configurations
4. *Identify* tools and methods to use in breaking up various types of materials
5. *Describe* difficulties related to complete extinguishment of stacked and piled materials
6. *Identify* water application methods for exposure protection and fire extinguishment
7. *Describe* dangers such as exposure to toxic or hazardous materials associated with storage building and container fires
8. *Identify* obvious signs of origin and cause
9. *List* techniques for the preservation of fire cause evidence

Requisite Skills

1. Recognize inherent hazards related to the material's configuration
2. Operate handlines or master streams
3. Break up material using hand tools and water streams
4. Operate hoselines and other water application devices
5. Evaluate and modify water application for maximum penetration
6. Search for and expose hidden fires
7. Assess patterns for origin determination
8. Evaluate for complete extinguishment

Content Modification

Block	Modification	Justification
JPR	Added "PPE".	Not included in NFPA 1001 but required for fire fighter survival.
JPR	Added "materials" and commas.	As originally written "stacked or piled" modified "unattached structure or storage container". Revised to clarify meaning.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 7-1: Extinguishing Fires in Exterior Class A Materials	3-8: Operate a Portable Master Stream 3-19: Combat a Ground Cover, Debris, or Exterior Fire	(CTS 3-8)

3-9: Conducting a Search and Rescue in a Structure

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.9
2. Office of the State Fire Marshal

Job Performance Requirement

Conduct a search and rescue in a structure operating as a member of a team, given an assignment, obscured vision conditions, personal protective equipment (PPE), *self-contained breathing apparatus (SCBA)*, a flashlight, forcible entry tools, hose lines or *guide lines*, a *thermal imaging device*, and ladders when necessary, so that ladders are correctly placed when used, all assigned areas are searched, all victims are located and removed, team integrity is maintained, and team members' safety — including respiratory protection — is not compromised.

Requisite Knowledge

1. *Describe how to use forcible entry tools during rescue operations*
2. *Describe how to use thermal imaging devices and other search tools*
3. *Describe how to use ladder operations for rescue*
4. Identify the psychological effects of operating in obscured conditions and ways to manage them
5. *Describe methods to determine if an area is tenable*
6. *Describe primary and secondary search techniques*
7. *Identify team members' roles and goals*
8. *Describe methods and indicators used to locate victims*
9. *Describe victim removal methods (including various carries)*
10. *Identify considerations related to respiratory protection*

Requisite Skills

1. Use SCBA to exit through restricted passages
2. Set up and use different types of ladders for various types of rescue operations
3. Rescue a fire fighter with functioning respiratory protection
4. Rescue a fire fighter whose respiratory protection is not functioning
5. Rescue a person who has no respiratory protection
6. Assess areas to determine tenability

Fire Fighter 1 - Structure
 Section 3: Fire Ground Operations

Content Modification

Block	Modification	Justification
JPR	Added "self-contained breathing apparatus (SCBA)".	Required for RK 1 but not included in the given.
JPR	Added "or guide lines".	This is an additional option for orientation.
JPR	Added "a thermal imaging device".	This is a recognized industry standard not included in NFPA 1001.
RK 2	Added knowledge component.	This is a recognized industry standard not included in NFPA 1001.
RK 8	Revised without changing intent.	Revised for clarification.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-11: Conducting a Search and Rescue Operation in a Structure	3-9a: Search for and Rescue a Victim with no Respiratory Protection 3-9b: Rescue a Fire Fighter 3-9c: Use a Ladder for Rescue	(CTS 3-9)

3-10: Attacking an Interior Structure Fire

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.10
2. Office of the State Fire Marshal

Job Performance Requirement

Attack an interior structure fire operating as a member of a team, given an attack line (*1½ inch or larger*), *pumping apparatus, established water supply, ladders when needed, personal protective equipment, self-contained breathing apparatus (SCBA), tools, and an assignment, so that team integrity is maintained, the attack line is deployed for advancement, ladders are correctly placed when used, access is gained into the fire area, effective water application practices are used, the fire is approached correctly, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, the correct body posture is maintained, hazards are recognized and managed, and the fire is brought under control.*

Requisite Knowledge

1. *Identify types, designs, and uses of fire hoses*
2. *Identify fittings, tools, and appliances*
3. *Describe common building materials and construction types*
4. *Identify the principles of fire streams*
5. *Describe types, design, operation, nozzle pressure effects, and flow capabilities of nozzles*
6. *Identify precautions to be followed when advancing hoselines to a fire*
7. *Describe observable results that a fire stream has been properly applied*
8. *Identify dangerous building conditions created by fire*
9. *Identify principles of exposure protection*
10. *Describe potential long-term consequences of exposure to products of combustion*
11. *List physical states of matter in which fuels are found*
12. *List common types of accidents or injuries and their causes*
13. *Describe how to apply each size and type of attack line*
14. *Define the role of the backup team in fire attack situations*
15. *Describe attack and control techniques for grade level and above and below grade level fires*
16. *Identify methods for locating and exposing hidden fires*

Requisite Skills

1. Prevent water hammers when shutting down nozzles
2. Open, close, and adjust nozzle flow and patterns
3. Apply water using direct, indirect, and combination attacks
4. Advance charged and uncharged 1½ in. (38 mm) diameter or larger hose lines up ladders and up and down interior and exterior stairways
5. Extend hose lines
6. Replace burst hose sections

Fire Fighter 1 - Structure

Section 3: Fire Ground Operations

7. Operate charged hose lines of 1½ in. (38 mm) diameter or larger while secured to a ground ladder
8. Couple and uncouple various *hose line* connections
9. Carry hose
10. Attack fires at grade level and above and below grade levels
11. Locate and suppress interior wall and subfloor fires

Content Modification

Block	Modification	Justification
JPR	Added "(1½ inch or larger)".	Specified by RS 4, and RS 7.
JPR	Added "pumping apparatus, established water supply".	You cannot do live fire training evolutions without a water supply.
JPR	Added "self-contained breathing apparatus (SCBA)".	Required for IDLH environments.
RK 1	Added knowledge component.	Not included in NFPA 1001 but needed for proper hose use.
RK 2	Added knowledge component.	Not included in NFPA 1001 but needed for proper hose use.
RK 3	Added knowledge component.	Not included in NFPA 1001 but needed for proper hose selection and attack.
RK 16	Added "methods for locating".	Not included in NFPA 1001 but this is a two-step process.
RS 8	Changed "handline" to "hose line".	Not all hose lines are handlines.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus <ul style="list-style-type: none"> • RK 10 Fire Fighter 1A, Topic 5-1: Building Construction <ul style="list-style-type: none"> • RK 3, 8 Fire Fighter 1A, Topic 5-2: Fire Behavior <ul style="list-style-type: none"> • RK 11 Fire Fighter 1A, Topic 5-5: Cleaning, Inspecting, and Returning Fire Hose to Service <ul style="list-style-type: none"> • RK 1, 2, 5, 13 Fire Fighter 1A, Topic 5-6: Deploy and Connect Fire Hose <ul style="list-style-type: none"> • RK 4, 6, 7 and RS 1, 2, 5, 6, 8, 9 Fire Fighter 1A, Topic 5-12: Attacking an Interior Structure Fire	3-10a: Operate a Charged Attack Hoseline from a Ground Ladder 3-10b: Attack a Live Interior Structure Fire 3-10c: Attack a Simulated Interior Structure Fire 3-10d: Extend a Hoseline 3-10e: Load, Deploy, and Advance an Attack Line 3-10f: Load Supply Hose	(CTS 3-10)

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

<ul style="list-style-type: none">• RK 6, 7, 9, 12, 14, 15, 16 and RS 3, 4, 7, 10, 11		
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The training for this standard can be met through the completion of State Fire Training's Fire Control 3: Structural Fire Fighting (2018) course.

3-11: Performing Horizontal Ventilation on a Structure

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.11

Job Performance Requirement

Perform horizontal ventilation on a structure operating as part of a team, given an assignment, PPE, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke.

Requisite Knowledge

1. *Describe* the principles, advantages, limitations, and effects of horizontal, mechanical, and hydraulic ventilation
2. *Describe* safety considerations when venting a structure
3. *Describe* fire behavior in a structure
4. *List* the products of combustion found in a structure fire
5. *Identify* the signs, causes, effects, and prevention of backdrafts
6. *Describe* the relationship of oxygen concentration to life safety and fire growth

Requisite Skills

10. Transport and operate ventilation tools and equipment and ladders
11. Use safe procedures for breaking window and door glass and removing obstructions

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-13: Horizontal Ventilation Operations <ul style="list-style-type: none">• RK 1, 2 and RS 1, 2, 3 Fire Fighter 1A, Topic 5-2: Fire Behavior <ul style="list-style-type: none">• RK 3, 4, 5, 6	3-11: Perform Horizontal Ventilation	(CTS 3-11)

3-12: Performing Vertical Ventilation on a Structure

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.12
2. Office of the State Fire Marshal

Job Performance Requirement

Perform vertical ventilation on a structure as part of a team, given an assignment, PPE, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished.

Requisite Knowledge

1. *Describe vertical (top-side) ventilation*
2. *Describe methods of heat transfer*
3. *Describe the principles of thermal layering within a structure on fire*
4. *List the techniques and safety precautions for venting flat roofs, pitched roofs, and basements*
5. *Describe basic indicators of potential collapse or roof failure*
6. *Identify the effects of construction type and elapsed time under fire conditions on structural integrity*
7. *Describe the advantages and disadvantages of vertical and trench/strip ventilation*

Requisite Skills

1. Transport and operate ventilation tools and equipment
2. Hoist ventilation tools to a roof
3. Cut roofing and flooring materials to vent flat roofs, pitched roofs, and basements
4. Sound a roof for integrity
5. Clear an opening with hand tools
6. Select, carry, deploy, and secure ground ladders for ventilation activities
7. Deploy roof ladders on pitched roofs while secured to a ground ladder
8. Carry ventilation-related tools and equipment while ascending and descending ladders

Content Modification

Block	Modification	Justification
RK 1	Added knowledge component.	Needed a basic level introduction to the topic. Mirrors foundational information in the Horizontal Ventilation JPR.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-1: Building Construction <ul style="list-style-type: none">• RK 6 Fire Fighter 1A: Topic 5-2: Fire Behavior <ul style="list-style-type: none">• RK 2-3 Fire Fighter 1A, Topic 5-14: Vertical Ventilation Operations <ul style="list-style-type: none">• RK 1, 4-7 and RS 1-8	3-12: Perform Vertical Ventilation	(CTS 3-12)

3-13: Overhauling a Fire Scene

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.13
2. Office of the State Fire Marshal

Job Performance Requirement

Overhaul a fire scene, given PPE, an attack line, hand tools, a flashlight, and an assignment, so that structural integrity is not compromised, all hidden fires are discovered, fire cause evidence is preserved, and the fire is extinguished.

Requisite Knowledge

1. *Describe the purpose of and methods for overhaul*
2. *Describe types of fire attack lines and water application devices most effective for overhaul*
3. *Describe water application methods for extinguishment that limit water damage*
4. *Identify types of tools and methods used to expose hidden fire*
5. *Describe dangers associated with overhaul*
6. *Describe obvious signs of area of origin or signs of arson*
7. *Identify reasons for protection of fire scene*

Requisite Skills

1. Deploy and operate an attack line *for overhaul*
2. Remove flooring, ceiling, and wall components to expose void spaces without compromising structural integrity
3. Apply water for maximum effectiveness
4. Expose and extinguish hidden fires in walls, ceilings, and subfloor spaces
5. Recognize and preserve obvious signs of area of origin and arson
6. Separate, remove, and relocate charred material to a safe location while protecting the area of origin for cause determination
7. Evaluate for complete extinguishment

Content Modification

Block	Modification	Justification
RK 1	Added a knowledge component.	Foundational knowledge not included in NFPA.
RS 1	Added "for overhaul".	Adding "for overhaul" dictates hose line selection.
RS 6	Added skills component.	This is a skill from NFPA 1001 paragraph 4.3.14. It aligns more closely with the JPR for paragraph 4.3.13.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-16: Overhauling a Fire Scene	3-13a: Overhaul a Fire Scene 3-13b: Remove Charred Materials	(CTS 3-13)

3-14: Conserving Property

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.14
2. Office of the State Fire Marshal

Job Performance Requirement

Conserve property as a member of a team, given salvage tools and equipment, *PPE*, and an assignment, so that the building and its contents are protected from further damage.

Requisite Knowledge

1. *Describe* the purpose of property conservation and its value to the public
2. *Describe* methods used to protect property
3. *List* types of and uses for salvage covers
4. *Describe* operations at properties protected with automatic sprinklers
5. *Describe* how to stop the flow of water from an automatic sprinkler head
6. *Identify* the main control valve on an automatic sprinkler system
7. *Describe* forcible entry issues related to salvage
8. *Describe* procedures for protecting possible areas of origin and potential evidence

Requisite Skills

1. Cluster furniture
2. Deploy covering materials
3. Roll and fold salvage covers for reuse
4. Construct water chutes and catch-alls
5. Remove water
6. Cover building openings, including doors, windows, floor openings, and roof openings
7. Stop the flow of water from a sprinkler with sprinkler wedges or stoppers
8. Operate a main control valve on an automatic sprinkler system

Content Modification

Block	Modification	Justification
JPR	Added "PPE".	Not included in NFPA 1001 but required for fire fighter safety.
RS	Removed "Separate, remove, and relocate charred material to a safe location while protecting the area of origin for cause determination".	This skill aligns more closely with the JPR for NFPA 1001 paragraph 43.13. It was relocated to 3-13: Overhauling a Fire Scene.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-15: Conserving Property	3-14a: Control Water Flow from a Sprinkler System 3-14b: Remove Water from the Interior of a Structure 3-14c: Salvage a Room and its Contents 3-15d: Cover Building Openings	(CTS 3-14)

3-15: Connecting a Fire Department Pumper to a Water Supply

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.15
2. Office of the State Fire Marshal

Job Performance Requirement

Connect a fire department pumper to a water supply as a member of a team, given supply or intake hose, hose tools, a fire hydrant or static water source, *an apparatus*, and *PPE*, so that connections are tight and water flow is unobstructed.

Requisite Knowledge

1. Describe types and components of municipal and rural water systems
2. Describe loading and off-loading procedures for mobile water supply apparatus
3. Describe fire hydrant operation
4. Identify suitable static water supply sources
5. Describe procedures and protocol for connecting to various water sources

Requisite Skills

1. Hand lay a supply hose
2. Connect and place hard suction hose for drafting operations
3. Deploy portable water tanks as well as the equipment necessary to transfer water between and draft from them
4. Make hydrant-to-pumper hose connections for forward and reverse lays
5. Connect supply hose to a hydrant
6. Fully open and close the hydrant

Content Modification

Block	Modification	Justification
JPR	Added "and PPE".	Not included in NFPA 1001 but required for fire fighter safety.
JPR	Added "an apparatus"	Required to complete the JPR but not listed as a given.
RK 1	Added a knowledge component.	NFPA 1001 assumes that the candidate is using a pressurized hydrant but there are other types of water supply.

Fire Fighter 1 - Structure
Section 3: Fire Ground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-4: Water Supply Systems <ul style="list-style-type: none">• RK 1, 2, 3, 4, 5 Fire Fighter 1A, Topic 5-6: Deploy and Connect Fire Hose <ul style="list-style-type: none">• RS 1, 2, 3, 4, 5, 6	3-15a: Deploy Portable Tank and Prepare for Drafting Operations 3-15b: Forward Hose Lay	(CTS 3-15)

3-16: Extinguishing Incipient Class A, Class B, and Class C Fires

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.16
2. Office of the State Fire Marshal

Job Performance Requirement

Extinguish incipient Class A, Class B, and Class C fires, given a selection of portable fire extinguishers *and PPE*, so that the correct extinguisher is chosen, the fire is completely extinguished, and correct extinguisher-handling techniques are followed.

Requisite Knowledge

1. *Describe* the classifications of fire
2. *Identify* the types of, rating systems for, and risks associated with each class of fire
12. *Describe* operating methods and limitations of portable extinguishers

Requisite Skills

1. Operate portable fire extinguishers
2. Approach fire with portable fire extinguishers
3. Select an appropriate extinguisher based on the size and type of fire
4. Safely carry portable fire extinguishers

Content Modification

Block	Modification	Justification
JPR	Added " <i>and PPE</i> ".	Not included in NFPA 1001 but required for fire fighter safety.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-2: Fire Behavior <ul style="list-style-type: none"> • RK 1 Fire Fighter 1A, Topic 5-3: Extinguishing Fire with Fire Extinguishers <ul style="list-style-type: none"> • RK 2, 3 and RS 1, 2, 3, 4 	3-16: Select, Carry, and Operate a Portable Fire Extinguisher	(CTS 3-16)

3-17: Operating Emergency Scene Lighting

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.17
2. Office of the State Fire Marshal

Job Performance Requirement

Operate emergency scene lighting, given fire service lighting equipment, a power supply, and an assignment, so that emergency scene lighting equipment is operated within the manufacturer's listed safety precautions.

Requisite Knowledge

1. *Describe* safety principles and practices for portable electrical equipment
2. *Identify* power supply capacity and limitations
3. *Describe* light deployment methods

Requisite Skills

1. Operate department power supply and lighting equipment
2. Deploy cords and connectors
3. Reset ground-fault interrupter (GFI) devices
4. Locate lights for best effect

Content Modification

Block	Modification	Justification
RK 1	Added "for portable electrical equipment".	This was added to narrow the scope of discussion.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 4-3: Operating Emergency Scene Lighting	3-17: Light a Scene	(CTS 3-17)

3-18: Turning Off Building Utilities

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.18
2. Office of the State Fire Marshal

Job Performance Requirement

Turn off building utilities, given tools, *PPE*, and an assignment, so that the assignment is safely completed.

Requisite Knowledge

1. Describe properties, principles, and safety concerns for *electrical*, gas, and water systems
2. Identify utility disconnect methods and associated dangers
3. Describe how to use required safety equipment

Requisite Skills

1. Identify utility control devices
2. Operate control valves or switches
3. Assess for related hazards

Content Modification

Block	Modification	Justification
JPR	Added "PPE".	Not included in NFPA 1001 but required for fire fighter safety.
RK 1	Replaced "electricity" with "electrical".	"Electrical" is the proper use of "electricity" as an adjective.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-7: Utility Control at Emergencies	3-18: Turn Off Building Utilities	(CTS 3-18)

3-19: Combatting a Ground Cover Fire

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.19
2. Office of the State Fire Marshal

Job Performance Requirement

Combat a ground cover fire operating as a member of a team, given *personal protective equipment (PPE)*, SCBA (if needed), hose lines, extinguishers or hand tools, and an assignment, so that threats to property are reported, threats to personal safety are recognized, retreat is quickly accomplished when warranted, and the assignment is completed.

Requisite Knowledge

1. Describe types of ground cover fires
2. Describe parts of ground cover fires
3. Describe methods to contain or suppress
4. Describe safety principles and practices

Requisite Skills

1. Determine exposure threats based on fire spread potential
2. Protect exposures
3. Construct a fire line or extinguish with hand tools,
4. Maintain integrity of established fire lines
5. Suppress ground cover fires using water

Content Modification

Block	Modification	Justification
JPR	Replaced “protective clothing” with “personal protective equipment (PPE)”.	Protective clothing isn’t comprehensive enough to meet JPR requirements.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 7-3: Combatting a Ground Cover Fire	3-19: Combat a Ground Cover Fire, Debris, or Exterior Fire	(CTS 3-19)

3-20: Tying Knots Appropriate for Hoisting Tools

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.20
2. Office of the State Fire Marshal

Job Performance Requirement

Tie a knot appropriate for hoisting tools, given PPE, tools, ropes, *webbing*, and an assignment, so that the knots used are appropriate for hoisting tools securely and as directed.

Requisite Knowledge

1. *Identify rope types and usage*
2. *Identify knot types and usage*
3. *Describe the difference between life safety and utility rope*
4. *Identify reasons for placing rope out of service*
5. *Identify types of knots to use for given tools, ropes, or situations*
6. *Describe hoisting methods for tools and equipment*
7. *Describe how to use rope to support response activities*

Requisite Skills

13. Tie knots specific to hoisting different types of tools
14. Hoist tools using specific knots based on the type of tool

Content Modification

Block	Modification	Justification
JPR	Added "webbing".	Not included in NFPA 1001 but is commonly used for this task.
RK 1	Added knowledge component.	Not included in NFPA 1001 but it's a basic knowledge component required to complete the JPR.
RS 1	Added skill component.	Not included in NFPA 1001 but required to complete the JPR.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 4-1: Utilizing Ropes and Knots	3-20a: Tie Knots 3-20b: Hoist Tools Aloft	(CTS 3-20)

3-21: Operating Hand and Power Tools

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Operate hand and power tools, given hand and power tools and an assignment, so that tools are properly operated, maintained, and transported in accordance with manufacturer specifications and AHJ policies and procedures.

Requisite Knowledge

15. Describe types of hand and power tools
16. Describe uses of hand and power tools

Requisite Skills

17. Transport hand and power tools
18. Operate hand and power tools
19. Maintain hand and power tools

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	Many NFPA paragraphs require knowledge and skills regarding hand tools. Created one standard to cover foundational knowledge.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 4-2: Utilizing Hand and Power Tools	3-21: Operate Hand and Power Tools	(CTS 3-21)

3-22: Operating an Air-Monitoring Instrument

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.3.21

Job Performance Requirement

Operate an air-monitoring instrument, given an air monitor and an assignment or task, so that the device is operated and the fire fighter recognizes the high- or low-level alarms of the air monitor and takes action to mitigate the hazard.

Requisite Knowledge

20. *Identify* the various uses for an air monitor
21. *Describe* basic operation of an air monitor
22. Describe air monitoring procedures
23. *Identify how to recognize* high- or low-level alarms of the air monitor
24. *Describe* emergency actions to be taken upon the activation of the high- or low-level alarms of the air monitor

Requisite Skills

1. Operate the air monitor
2. Recognize the alarms
3. React to the alarms of the air monitor

Content Modification

Block	Modification	Justification
RS 3	Added a knowledge component.	NFPA does not cover the step-by-step process.
RK 1	Removed "knowledge of"	This content is already in the knowledge section; we don't need knowledge of knowledge.
RK 3	Split one knowledge component into two.	Clarifying a poorly written knowledge component.
RK 4	Split one knowledge component into two.	Clarifying a poorly written knowledge component.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 4-4: Operating an Air-Monitoring Instrument	3-22: Operate an Air-Monitoring Instrument	(CTS 3-22)

Section 4: Preparedness and Maintenance

4-1: Cleaning and Checking Ladders, Ventilation Equipment, SCBA, Ropes, Salvage Equipment, and Hand Tools

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 4.5.1
2. Office of the State Fire Marshal

Job Performance Requirement

Clean and check ladders, ventilation equipment, SCBA, ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise.

Requisite Knowledge

1. *Describe* types of cleaning methods for various tools and equipment
2. *Describe* the correct use of cleaning solvents
3. *Identify* manufacturer or departmental guidelines for cleaning equipment and tools
4. *Identify manufacturer or departmental guidelines for removing tools and equipment from service*

Requisite Skills

1. Select correct tools *to maintain* various parts and pieces of equipment
2. Follow guidelines
3. Complete recording and reporting procedures

Content Modification

Block	Modification	Justification
RK 4	Added knowledge component.	Added to support the JPR.
RS 1	Added "to maintain".	Added to clarify the purpose for tool selection.

Fire Fighter 1 - Structure
 Section 4: Preparedness and Maintenance

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
<p>Fire Fighter 1A, Topic 2-6: Self-Contained Breathing Apparatus</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to SCBA) <p>Fire Fighter 1A, Topic 4-1: Utilizing Ropes and Knots</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to rope) <p>Fire Fighter 1A, Topic 4-2: Utilizing Hand and Power Tools</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to tools) <p>Fire Fighter 1A, Topic 5-9: Cleaning, Inspecting, and Maintaining Fire Service Ladders</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to ladders) <p>Fire Fighter 1A, Topic 5-15: Horizontal Ventilation Operations</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to horizontal ventilation equipment) <p>Fire Fighter 1A, Topic 5-16: Vertical Ventilation Operations</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to vertical ventilation equipment) <p>Fire Fighter 1A, Topic 5-17: Conserving Property</p> <ul style="list-style-type: none"> • RK 1, 2, 3, 4 and RS 1, 2, 3 (as it pertains to salvage equipment) 	<p>4-1: Clean and Check Equipment</p>	<p>(CTS 4-1)</p>

4-2: Cleaning, Inspecting, and Returning Fire Hose to Service

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.4.2
2. Office of the State Fire Marshal

Job Performance Requirement

Clean, inspect, and return fire hose to service, given washing equipment, water, detergent, tools, and replacement gaskets, so that damage is noted and corrected, the hose is clean, and the equipment is placed in a ready state for service.

Requisite Knowledge

1. Describe departmental procedures for inspecting a hose according to manufacturer guidelines, noting a defective hose, and removing it from service
2. Describe cleaning and maintenance methods
3. Describe types of hose rolls and loads

Requisite Skills

1. Clean different types of hose
2. Operate hose washing and drying equipment
3. Mark defective hose
4. Replace coupling gaskets
5. Roll hose
6. Reload hose

Content Modification

Block	Modification	Justification
RK 1	Added "inspecting a hose according to manufacturer guidelines".	This strengthens the knowledge component with a standard.
RK 2	Added "and maintenance".	There are steps beyond cleaning required before returning hose to a ready state.
RK 3	Added "types of".	Added for clarification.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A, Topic 5-5: Cleaning, Inspecting, and Returning Fire Hose to Service <ul style="list-style-type: none"> • RK 1, 2, 3 and RS 1, 2, 3, 4 Fire Fighter 1A, Topic 5-6: Deploy and Connect Fire Hose <ul style="list-style-type: none"> • RS 5, 6 	4-2a: Replace a Burst Section of Hose 4-2b: Build Hose Rolls 4-2c: Clean and Maintain Hose and Mark Defective Hose	(CTS 4-2)

Hazardous Materials/WMD

Section 5: Awareness

5-1: Description of Duties (Awareness)

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 4.1.3

Job Performance Requirement

There is no job performance requirement identified for this training standard.

Requisite Knowledge

25. *Identify the* role of awareness personnel at a hazardous materials/WMD incident
26. *Identify the* location and contents of the AHJ emergency response plan
27. *Describe* standard operating procedures for awareness personnel

Requisite Skills

28. None specified

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 2-1: Description of Duties (Awareness)	Cognitive only – no testable skills	Cognitive only – no testable skills

5-2: Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 4.2.1

Job Performance Requirement

Recognize and identify the hazardous materials/WMD and hazards involved in a hazardous materials/WMD incident, given a hazardous materials/WMD incident and approved reference sources, so that the presence of hazardous materials/WMD is recognized and the materials and their hazards are identified.

Requisite Knowledge

29. Describe how to recognize hazardous materials and WMD
30. List basic hazards associated with classes and divisions
31. Identify indicators to the presence of hazardous materials including container shapes, NFPA 704 markings, globally harmonized system (GHS) markings, placards, labels, pipeline markings, other transportation markings, shipping papers with emergency response information, and other indicators
32. Describe how to access information from the *Emergency Response Guidebook* (ERG) (current edition) using name of the material, UN/NA identification number, placard applied, or container identification charts
33. List types of hazard information available from the ERG, safety data sheets (SDS), shipping papers with emergency response information, and other approved reference sources

Requisite Skills

34. Recognize indicators to the presence of hazardous materials/WMD
35. Identify hazardous materials/WMD by name, UN/NA identification number, placard applied, or container identification charts
36. Use the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify hazardous materials/WMD and their potential fire, explosion, and health hazards

Content Modification

Block	Modification	Justification

Fire Fighter 1 – Hazardous Materials/WMD

Section 5: Awareness

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 2-2: Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards	5-2a: Recognize, Identify, and Isolate Hazardous Materials/WMD 5-2b: Identify Markings	(CTS 5-2)

5-3: Isolating the Hazard Area and Denying Entry

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 4.3.1
2. Office of the State Fire Marshal

Job Performance Requirement

Isolate the hazard area and deny entry at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved reference sources, so that the hazard area is isolated and secured, personal safety procedures are followed, hazards are avoided or minimized, and additional people are not exposed to further harm.

Requisite Knowledge

37. Describe how to use the ERG, SDS, shipping papers with emergency response information, and other approved reference sources to identify precautions to be taken to protect responders and the public
38. Describe policies and procedures for isolating the hazard area and denying entry
39. Identify the purpose of and methods for isolating the hazard area and denying entry

Requisite Skills

40. Recognize precautions for protecting responders and the public
41. Identifying isolation areas
42. Denying entry
43. Avoiding or minimizing hazards

Content Modification

Block	Modification	Justification
RS 4	Added "or".	Accidental NFPA omission. Without it, RS 4 contradicts the JPR requirement.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 2-3: Isolating the Hazard Area and Denying Entry	5-2a: Recognize, Identify, and Isolate Hazardous Materials/WMD	(CTS 5-3)

5-4: Initiating Required Notifications

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 4.4.1

Job Performance Requirement

Initiate required notifications at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, policies and procedures, and approved communications equipment, so that the notification process is initiated and the necessary information is communicated.

Requisite Knowledge

44. *Identify* policies and procedures for notification, reporting, and communications
45. *List* types of approved communications equipment
46. *Describe how to operate* equipment

Requisite Skills

47. Operate approved communications equipment
48. Communicate in accordance with policies and procedures

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 2-4: Initiating Required Notifications	5-4: Initiate Required Notifications	(CTS 5-4)

Section 6: Operations

6-1: Description of Duties (Operations)

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.1.5

Job Performance Requirement

There is no job performance requirement identified for this training standard.

Requisite Knowledge

49. *Identify the* role of operations level responders at a hazardous materials/WMD incident
50. *Identify the* location and contents of AHJ emergency response plan and standard operating procedures for operations level responders, including those response operations for hazardous materials/WMD incidents

Requisite Skills

51. None specified

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-1: Description of Duties (Operations)	Cognitive only – no testable skills	Cognitive only – no testable skills

6-2: Identifying the Scope of a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.2.1

Job Performance Requirement

Identify the scope of the problem at a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, and approved reference sources, so that container types, materials, location of any release, and surrounding conditions are identified, hazard information is collected, the potential behavior of a material and its container is identified, and the potential hazards, harm, and outcomes associated with that behavior are identified.

Requisite Knowledge

52. *Define* hazard classes and divisions
53. *Identify* types of containers
54. *Identify* container identification markings, including piping and pipeline markings and contacting information
55. *Identify* types of information to be collected during the hazardous materials/WMD incident survey
56. *Identify the availability and location* of shipping papers in transportation and of safety data sheets (SDS) at facilities
57. *Describe* types of hazard information available from and how to contact CHEMTREC, CANUTEC, and SETIQ, governmental authorities, and manufacturers, shippers, and carriers
58. *Describe* how to communicate with carrier representatives to reduce impact of a release
59. *Identify* basic physical and chemical properties, including boiling point, chemical reactivity, corrosivity (pH), flammable (explosive) range [LFL (LEL) and UFL (UEL)], flash point, ignition (autoignition) temperature, particle size, persistence, physical state (solid, liquid, gas), radiation (ionizing and nonionizing), specific gravity, toxic products of combustion, vapor density, vapor pressure, and water solubility
60. *Identify* the behavior of a material and its container based on the material's physical and chemical properties and the hazards associated with the identified behavior
61. *List* examples of potential criminal and terrorist targets
62. *Identify* indicators of possible criminal or terrorist activity for each of the following: chemical agents, biological agents, radiological agents, illicit laboratories (i.e., clandestine laboratories, weapons labs, ricin labs), and explosives
63. *Describe* additional hazards associated with terrorist or criminal activities, such as secondary devices
64. *Determine* the likely harm and outcomes associated with the identified behavior and the surrounding conditions

Requisite Skills

- 65. Identify container types, materials, location of release, and surrounding conditions at a hazardous materials/WMD incident
- 66. Collect hazard information
- 67. Communicate with pipeline operators or carrier representatives
- 68. Describe the likely behavior of the hazardous materials or WMD and its container
- 69. Describe the potential hazards, harm, and outcomes associated with that behavior and the surrounding conditions

Content Modification

Block	Modification	Justification
RK 5	Added “and location”.	The documents should always be available; the real knowledge is in knowing where they are located.
RS 2	Removed “ing”.	Removed to for consistency with verb tenses of other NFPA standards.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-2: Identifying the Scope of a Hazardous Materials/WMD Incident	6-2: Identify the Scope of a Hazardous Materials/WMD Incident	(CTS 6-2)

6-3: Identifying Action Options for a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.3.1

Job Performance Requirement

Identify the action options for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, approved reference sources, and the scope of the problem, so that response objectives, action options, safety precautions, suitability of approved personal protective equipment (PPE) available, and emergency decontamination needs are identified.

Requisite Knowledge

70. *Identify* policies and procedures for hazardous materials/WMD incident operations
71. *List* the basic components of an incident action plan (IAP)
72. *Describe* modes of operation (offensive, defensive, and nonintervention)
73. *Describe* types of response objectives
74. *Describe* types of action options
75. *Identify* types of response information available from the Emergency Response Guidebook (ERG), safety data sheets (SDS), shipping papers with emergency response information, and other resources
76. *Identify* types of information available from and how to contact CHEMTREC, CANUTEC, and SETIQ, governmental authorities, and manufacturers, shippers, and carriers (highway, rail, water, air, pipeline)
77. *Describe* safety procedures
78. *Describe* risk analysis concepts
79. *Identify* the purpose, advantages, limitations, and uses of approved PPE to determine if PPE is suitable for the incident conditions
80. *Explain* the difference between exposure and contamination
81. *Identify* contamination types, including sources and hazards of carcinogens at incident scenes
82. *List* routes of exposure
83. *Describe* types of decontamination (emergency, mass, and technical)
84. *Describe* the purpose, advantages, and limitations of emergency decontamination
85. *Describe* procedures, tools, and equipment for performing emergency decontamination

Requisite Skills

86. Identify response objectives and action options based on the scope of the problem and available resources
87. Identify whether approved PPE is suitable for the incident conditions
88. Identify emergency decontamination needs based on the scope of the problem

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-2: Identifying the Scope of a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 7 Fire Fighter 1B, Topic 3-4: Performing Emergency Decontamination at a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 14, 15, 16 Fire Fighter 1B, Topic 3-5: Identifying Action Options for a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12 and RS 1, 2, 3 	6-3: Identify Action Options for a Hazardous Materials/WMD Incident	(CTS 6-3)

6-4: Performing Assigned Tasks at a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.4.1
2. Office of the State Fire Marshal

Job Performance Requirement

Perform assigned tasks at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; an assignment with limited potential of contact with hazardous materials/WMD, policies and procedures, the scope of the problem, approved tools, equipment, and PPE, so that protective actions and scene control are established and maintained, on-scene incident command is described, evidence is preserved, approved PPE is selected and used in the proper manner; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; assignments are completed; and gross decontamination of personnel, tools, equipment, and PPE is conducted in the field.

Requisite Knowledge

89. *Describe* scene control procedures
90. *Describe* procedures for protective actions, including evacuation and sheltering-in-place
91. *Describe* procedures for ensuring coordinated communications between responders and to the public
92. *List* evidence recognition and preservation procedures
93. Identify hazardous materials/WMD incident command roles and responsibilities within the incident command system (ICS)
94. *Identify* the purpose, importance, benefits, and organization of incident command at hazardous materials/WMD incidents
95. *Describe* policies and procedures for implementing incident command at hazardous materials/WMD incidents
96. *Describe* the capabilities, limitations, inspection, donning, working in, going through decontamination while wearing, doffing approved PPE
97. *Describe* how to recognize signs and symptoms of thermal stress
98. *Identify* safety precautions when working at hazardous materials/WMD incidents
99. *Describe* purpose, advantages, and limitations of gross decontamination
100. *Identify* the need for gross decontamination in the field based on the task(s) performed and contamination received, including sources and hazards of carcinogens at incident scenes
101. *Describe* gross decontamination procedures for personnel, tools, equipment, and PPE
102. *Describe* how to clean, disinfect, and inspect tools, equipment, and PPE

Requisite Skills

103. Establish and maintaining scene control
104. Recognize and preserve evidence

Fire Fighter 1 – Hazardous Materials/WMD

Section 6: Operations

- 105. Inspect, don, work in, go through decontamination while wearing, and doff approved PPE
- 106. Isolate contaminated tools, equipment, and PPE
- 107. Conduct gross decontamination of contaminated personnel, tools, equipment, and PPE in the field
- 108. Clean, disinfect, and inspect approved tools, equipment, and PPE

Content Modification

Block	Modification	Justification
RK 5	Changed "Describe incident command organization" to "Identify hazardous materials/WMD incident command roles and responsibilities within the incident command system (ICS)".	Expanded to identify that there are roles and responsibilities specific to HazMat/WMD within the ICS.
RK 14	Removed "ing" from "cleaning, disinfecting, and inspecting".	Removed for consistency with other RK language.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-3: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 8, 14 Fire Fighter 1B, Topic 3-4: Performing Decontamination at a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 11, 13 Fire Fighter 1B, Topic 3-6: Performing Assigned Tasks at a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 1, 2, 3, 4, 5, 6, 7, 9, 10, 12 and RS 1, 2, 3, 4, 5, 6 	6-4: Perform Assigned Tasks at a Hazardous Materials/WMD Incident	(CTS 6-4)

6-5: Performing Emergency Decontamination at a Hazardous Materials/ WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.5.1

Job Performance Requirement

Perform emergency decontamination at a hazardous materials/WMD incident, given a hazardous materials/WMD incident that requires emergency decontamination; an assignment; scope of the problem; policies and procedures; and approved tools, equipment, and PPE for emergency decontamination, so that emergency decontamination needs are identified, approved PPE is selected and used, exposures and personnel are protected, safety procedures are followed, hazards are avoided or minimized, emergency decontamination is set up and implemented, and victims and responders are decontaminated.

Requisite Knowledge

1. *Define* contamination, cross contamination, and exposure
2. *Describe* contamination types
3. *List* routes of exposure
4. *Identify* types of decontamination (emergency, mass, and technical)
5. *Describe the* purpose, advantages, and limitations of emergency decontamination
6. *Describe* policies and procedures for performing emergency decontamination
7. *Identify* approved tools and equipment for emergency decontamination
8. *Describe* hazard avoidance for emergency decontamination

Requisite Skills

109. Select an emergency decontamination method
110. Set up emergency decontamination in a safe area
111. Use PPE in the proper manner
112. Implement emergency decontamination
113. Prevent spread of contamination
114. Avoid hazards during emergency decontamination

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-4: Performing Emergency Decontamination at a Hazardous Materials/WMD Incident	6-5: Perform Emergency Decontamination	(CTS 6-5)

6-6: Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 5.6.1

Job Performance Requirement

Evaluate and report the progress of the assigned tasks for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of assigned tasks, and approved communication tools and equipment, so that the effectiveness of the assigned tasks is evaluated and communicated to the supervisor, who can adjust the IAP as needed.

Requisite Knowledge

115. *List* components of progress reports
116. *Describe* policies and procedures for evaluating and reporting progress
117. *Describe how to* use approved communication tools and equipment
118. *Identify* signs indicating improving, static, or deteriorating conditions based on the objectives of the action plan
119. *Describe how to recognize* circumstances under which it would be prudent to withdraw from a hazardous materials/ WMD incident

Requisite Skills

120. Determine incident status
121. Determining whether the response objectives are being accomplished
122. Use approved communications tools and equipment
123. Communicate the status of assigned tasks

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-8: Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident	6-6: Evaluate and Report Progress for a Hazardous Materials/WMD Incident	(CTS 6-6)

Section 7: Operations – Mission Specific

7-1: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 6.2.1

Job Performance Requirement

Select, don, work in, and doff approved PPE at a hazardous materials/WMD incident, given a hazardous materials/WMD incident; a mission-specific assignment in an IAP that requires use of PPE; the scope of the problem; response objectives and options for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures; approved PPE; and policies and procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected, inspected, donned, worked in, decontaminated, and doffed; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; and all reports and documentation pertaining to PPE use are completed.

Requisite Knowledge

124. *Describe* policies and procedures for PPE selection and use
125. *Describe the* importance of working under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures when selecting and using PPE
126. *Identify* the capabilities and limitations of and specialized donning, doffing, and usage procedures for approved PPE
127. *List* components of an incident action plan (IAP)
128. *Describe* procedures for decontamination, inspection, maintenance, and storage of approved PPE
129. *Describe the* process for being decontaminated while wearing PPE
130. *Describe* procedures for reporting and documenting the use of PPE

Requisite Skills

131. Select PPE for the assignment
132. Inspect, maintain, store, don, work in, and doff PPE
133. Go through decontamination (emergency and technical) while wearing the PPE
134. Report and document the use of PPE

Fire Fighter 1 – Hazardous Materials/WMD
 Section 7: Operations – Mission Specific

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-3: Selecting, Donning, Working In and Doffing Approved PPE at a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 1, 2, 3, 5, 6, 7 and RS 1, 2, 3, 4 Fire Fighter 1B, Topic 3-5: Identifying Action Options for a Hazardous Materials/WMD Incident <ul style="list-style-type: none"> • RK 4 	7-1: Don, Work In, and Doff Chemical Protective Clothing	(CTS 7-1)

7-2: Performing Product Control Techniques at a Hazardous Materials/WMD Incident

Authority

1. NFPA 1072: Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualifications (2017)
 - Paragraph 6.6.1
2. Office of the State Fire Marshal

Job Performance Requirement

Perform product control techniques with a limited risk of personal exposure at a hazardous materials/WMD incident, given a hazardous materials/WMD incident with release of product; an assignment in an IAP; scope of the problem; policies and procedures; approved tools, equipment, control agents, and PPE; and access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures, approved PPE is selected and used; exposures and personnel are protected; safety procedures are followed; hazards are avoided or minimized; a product control technique is selected and implemented; the product is controlled; victims, personnel, tools, and equipment are decontaminated; and product control operations are reported and documented.

Requisite Knowledge

135. *Describe* types of PPE and the hazards for which they are used
136. *Describe the* importance of working under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures
137. Define of control, confinement, containment, and extinguishment
138. Describe policies and procedures for product control
139. *Identify* product control methods for controlling a release with limited risk of personal exposure
140. *Describe* safety precautions associated with each product control method
141. *Identify the* location and *describe how to* operation of remote/emergency shutoff devices in cargo tanks and intermodal tanks in transportation and containers at facilities, that contain flammable liquids and flammable gases
142. *List* characteristics and applicability of approved product control agents
143. *Describe how to* use approved tools and equipment
144. *Identify* requirements for reporting and documenting product control operations

Requisite Skills

145. Select and use PPE
146. Select and perform product control techniques to confine/contain the release with limited risk of personal exposure

Fire Fighter 1 – Hazardous Materials/WMD

Section 7: Operations – Mission Specific

- 147. Use approved control agents and equipment on a release involving hazardous materials/WMD
- 148. Use remote control valves and emergency shutoff devices on cargo tanks and intermodal tanks in transportation and containers at fixed facilities
- 149. Perform product control techniques

Content Modification

Block	Modification	Justification
RK 4	Added "for product control".	Added to narrow the scope of discussion of policies and procedures.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B, Topic 3-7: Performing Product Control Techniques at a Hazardous Materials/WMD Incident <ul style="list-style-type: none">• RK 2, 3, 4, 5, 6, 7, 8, 9, 10 and RS 1, 2, 3, 4, 5 Fire Fighter 1B, Topic 3-3: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident <ul style="list-style-type: none">• RK 1	7-2: Perform Product Control	(CTS 7-2)

Wildland Fire Fighter 1

Section 8: Wildland Fire Fighter Duties

8-1: Role of the Wildland Fire Fighter

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.1.1, 4.1.2
2. Office of the State Fire Marshal

Job Performance Requirement

There is no job performance requirement identified for this training standard.

Requisite Knowledge

150. *Describe* fireline safety, use, and limitations of personal protective equipment
151. *Describe* the use, limitations, inspection, and care of a fire shelter
152. *Describe* agency policy on fire shelter use
153. *Describe* basic wildland fire behavior
154. *Identify* fire suppression techniques
155. *Identify* basic wildland fire tactics
156. *Describe* the fire fighter's role within the local incident management system
157. *Describe* first aid as referenced in NFES 1077 (Incident Response Pocket Guide (IRPG)) and NFES 2943 (Wildland Fire Incident Management Field Guide)

Requisite Skills

158. Use basic verbal communication
159. Use required personal protective equipment
160. Deploy a fire shelter

Content Modification

Block	Modification	Justification
RK 2	Added knowledge component.	Added to call attention to a unique element of PPE that isn't physically worn.
RK 8	Added "(Incident Response Pocket Guide (IRPG))" and "(Wildland Fire Incident Management Field Guide)".	These are proper titles for the referenced documents. People may not know how to reference them by code numbers.
RS 3	Added skills component.	Not covered by NFPA 1051 but critical for wildland fire fighter survival.

Fire Fighter 1 – Wildland
 Section 8: Wildland Fire Fighter Duties

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 1-3: Wildland Fire Fighter Roles and Responsibilities <ul style="list-style-type: none"> • RK 4, 5, 6, 7, 8 Fire Fighter 1C, Topic 2-1: Wildland Fire Behavior <ul style="list-style-type: none"> • RK 4 Fire Fighter 1C, Topic 2-3: Human Factors on the Fireline <ul style="list-style-type: none"> • RS 1 Fire Fighter 1C, Topic 2-4: Donning, Doffing, and Maintaining Wildland Personal Protective Equipment <ul style="list-style-type: none"> • RK 1 and RS 2 Fire Fighter 1C, Topic 2-5: Deploying a Fire Shelter <ul style="list-style-type: none"> • RK 2, 3 and RK 3 Fire Fighter 1C, Topic 3-2: Constructing a Fireline <ul style="list-style-type: none"> • RK 5, 6 Fire Fighter 1C, Topic 3-4: Reducing the Threat of Fire Exposure to Improved Properties (WUI) <ul style="list-style-type: none"> • RK 4 	Cognitive only – no testable skills	Cognitive only – no testable skills

8-2: Donning Wildland Personal Protective Equipment

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Don wildland personal protective equipment (PPE), given PPE, so the PPE is donned in 60 seconds or less and all elements of the PPE ensemble are worn in accordance with manufacturer guidelines.

Requisite Knowledge

1. Identify the components of wildland PPE
2. Explain the importance of standards for wildland PPE
3. Describe the protection provided by wildland PPE
4. Describe the limitations of wildland PPE
5. Identify manufacturer guidelines for correct PPE use

Requisite Skills

161. Don PPE

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1051 does not include a designated JPR for donning wildland PPE. OSFM uses 60 seconds as the industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-4: Donning, Doffing, and Maintaining Wildland Personal Protective Equipment	8-2: Don Wildland Personal Protective Equipment	(CTS 8-2)

8-3: Deploying a Fire Shelter

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Deploy a fire shelter, given PPE, a hand tool, a live or simulated incident, and a fire shelter, so that the fire shelter is deployed within 30 seconds and used in accordance with manufacturer and AHJ procedures.

Requisite Knowledge

162. Describe the protection provided by and limitations of fire shelters
163. Describe how to inspect and evaluate a fire shelter
164. Describe how to select and prepare a shelter deployment site
165. Identify items to take into and leave outside a fire shelter
166. Describe methods for deploying a fire shelter
167. Identify when to deploy and exit a fire shelter during an incident

Requisite Skills

168. Deploy a fire shelter within 30 seconds

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1051 does not include a designated JPR for deploying a fire shelter. OSFM uses 30 seconds as the industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-5: Deploying a Fire Shelter	8-3: Deploy a Fire Shelter	(CTS 8-3)

8-4: Doffing Wildland Personal Protective Equipment

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Doff wildland personal protective equipment (PPE), given PPE, so that PPE is removed in accordance with manufacturer guidelines and returned to a ready state.

Requisite Knowledge

169. Identify when it is safe to doff PPE
170. Identify AHJ policies and procedures for doffing PPE

Requisite Skills

1. *Doff PPE*
2. *Return PPE to a ready state*

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1051 does not include a designed JPR for doffing PPE.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-4: Donning, Doffing, and Maintaining Wildland Personal Protective Equipment	8-4: Doff Wildland Personal Protective Equipment	(CTS 8-4)

Section 9: Preparedness

9-1: Maintaining Assigned Personal Protective Equipment

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.3.2

Job Performance Requirement

Maintain assigned personal protective equipment, given the standard equipment issue, so that the equipment is serviceable and available for use on the fireline and defects are recognized and reported to the supervisor.

Requisite Knowledge

1. *Describe how to* maintain personal protective equipment, including inspection, the recognition of unserviceable items, and proper cleaning procedures

Requisite Skills

171. None specified

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-4: Donning, Doffing, and Maintaining Wildland Personal Protective Equipment	9-1: Maintain Assigned Personal Protective Equipment	(CTS 9-1)

9-2: Maintaining Assigned Suppression Hand Tools and Equipment

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.3.3

Job Performance Requirement

Maintain assigned suppression hand tools and equipment, given tools and equipment and agency maintenance specifications, so that assigned equipment is maintained and serviceable and defects are recognized and reported to the supervisor.

Requisite Knowledge

172. *Describe how to inspect tools and assigned suppression equipment*
173. *Describe how to recognize unserviceable items*
174. *Describe required maintenance techniques*

Requisite Skills

175. Sharpen assigned suppression equipment
176. Maintenance techniques for assigned suppression equipment
177. Use required maintenance equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-6: Maintaining Assigned Suppression Hand Tools and Equipment	9-2: Maintain Hand Tools and Equipment	(CTS 9-2)

Section 10: Suppression

10-1: Assembling and Preparing for Response

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.2
2. Office of the State Fire Marshal

Job Performance Requirement

Assemble and prepare for response, given an assembly location, an assignment, incident location, mode of transportation, and time requirements, so that arrival at the incident with the required personnel and equipment meets agency guidelines.

Requisite Knowledge

178. *Identify* equipment required for response
179. *Describe* agency time standards and special transportation considerations
180. *Describe* agency safety response guidelines
181. *Describe* operational procedures for various *response* modes

Requisite Skills

182. None specified

Content Modification

Block	Modification	Justification
RK 1	Changed "requirements" to "required for response".	Clarification. The student isn't identifying the requirements of the equipment, they are identifying what equipment is required based on what the incident requires.
RK 2	Removed "(weight considerations)".	Weight is not the only special transportation consideration.
RK 3	Added "response guidelines".	Narrowing the scope of "agency safety" to pertain to the JPR.
RK 4	Changed "transportation" to "response".	Transportation implies the type of vehicle in which the responders are traveling to the incident, not the response level. Revised for clarification.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-1: Assembling and Preparing for Response	10-1: Assemble and Prepare for Response	(CTS 10-1)

10-2: Recognizing Hazards and Unsafe Situations

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.3
2. Office of the State Fire Marshal

Job Performance Requirement

Recognize hazards and unsafe situations, given a wildland or wildland/urban interface fire *or simulated scenario* and the standard safety policies and procedures of the agency, so that the hazard(s) and unsafe condition(s) are communicated to the supervisor and appropriate action is taken.

Requisite Knowledge

1. *Describe* basic wildland fire safety
2. Describe basic wildland fire behavior
3. Identify basic wildland suppression methods
4. Describe the Standard Fire Fighting Orders
5. Describe the Situations that Shout “Watch Out”
6. Describe the principles of LCES (Lookouts, Communications, Escape Routes, Safety Zones)
7. Describe downhill checklist guideline
8. Describe Common Denominators of Fire Behavior on Tragedy Fires
9. Describe human factors that impact wildland fire suppression

Requisite Skills

10. Demonstrate knowledge of the Standard Fire Orders, the Situations that Shout “Watch Out”, and LCES

Content Modification

Block	Modification	Justification
JPR	Added “or simulated scenario”.	Allows option to complete testing outside of a live wildland fire.
RK 2	Added “basic wildland”.	Added to narrow the scope of “fire behavior”.
RK 3	Added “basic wildland”.	Added to narrow the scope of “suppression methods”.
RK 4	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK 5	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK 6	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK 7	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.

Fire Fighter 1 – Wildland
Section 10: Suppression

RK 8	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.
RK 9	Added knowledge component.	NFPA does include human factors.
RS 1	Added skills component.	Added to align with NWCG S-130 fire fighter training

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 2-1: Wildland Fire Behavior <ul style="list-style-type: none"> • RK 2 Fire Fighter 1C, Topic 2-2: Recognizing Hazards and Unsafe Situations <ul style="list-style-type: none"> • RK 1, 4, 5, 6, 7, 8 and RS 1 Fire Fighter 1C, Topic 2-3: Human Factors on the Fireline <ul style="list-style-type: none"> • RK 9 Fire Fighter 1C, Topic 3-2: Constructing a Fireline <ul style="list-style-type: none"> • RK 3 	10-2a: Use Incident Response Pocket Guide 10-3b: Assume Safety Position for Retardant Drop	(CTS 10-2)

10-3: Constructing a Fireline

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.4
2. Office of the State Fire Marshal

Job Performance Requirement

Construct a fireline, given a wildland fire *or simulated scenario*, agency line construction standards, suppression tools, water or other suppression agents, and equipment, so that the fireline conforms to the construction standard.

Requisite Knowledge

1. Describe basic wildland suppression strategy
2. Identify basic wildland suppression tactics
3. Describe fireline construction principles, techniques, and standards
4. Describe safety considerations related to fireline construction
5. Describe how to construct a handline
6. Describe how to perform mobile attack
7. Describe how to perform a simple hose lay
8. Describe how to perform a progressive hose lay
9. Describe how to retrieve hose

Requisite Skills

1. Use hand tools correctly
2. Apply fire streams
3. Apply *extinguishing* agents

Content Modification

Block	Modification	Justification
JPR	Added "or simulated scenario".	Allows option to complete testing outside of a live wildland fire.
RK 1	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK 2	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK 3	Changed the word order.	Revised to simplify and clarify language.
RK 4	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.
RK 5	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK 6	Added knowledge	Statewide operational activities require more detail than

Fire Fighter 1 – Wildland
Section 10: Suppression

	component.	provided by NFPA.
RK 7	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK 8	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK 9	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RS 1-3	Revised to put verb first.	Consistency with all other RS text.
RS 3	Added "extinguishing".	Added to clarify agent type.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-2: Constructing a Fireline	10-3a: Assemble, Use, and Maintain a Back Pump 10-3b: Perform a Progressive Hose Lay (Hose) 10-3b: Perform a Progressive Hose Lay (Nozzle) 10-3c: Construct a Fireline Using Hand Tools 10-3d: Perform Mobile Pumping	(CTS 10-3)

10-4: Securing the Fireline

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.5
2. Office of the State Fire Marshal

Job Performance Requirement

Secure the fireline, given a wildland fire *or simulated scenario*, suppression tools, water or other suppression agents, and equipment, so that *fireline* burning materials and unburned fuels *are physically separated*.

Requisite Knowledge

1. Describe line improvement techniques
2. Identify safety considerations
3. Describe how to use basic ignition devices

Requisite Skills

1. Use of basic ignition devices only under direct supervision

Content Modification

Block	Modification	Justification
JPR	Added "or simulated scenario".	Allows option to complete testing outside of a live wildland fire.
JPR	Adjusted language.	NFPA standard for JPR was unclear and abatement is not always possible.
RK 3	Added a knowledge component.	Not included in NFPA 1051 but required by Cal OES. All type III engines must carry a drip torch.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-3: Securing a Fireline	10-4a: Ignite and Extinguish Road Flares and Fusees 10-4b: Assemble, Ignite, Extinguish, and Disassemble a Drip Torch	(CTS 10-4)

10-5: Reducing the Threat of Fire Exposure to Improved Properties

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.6
2. Office of the State Fire Marshal

Job Performance Requirement

Describe the methods to reduce the threat of fire exposure to improved properties, given a wildland/urban interface fire *or simulated scenario*, suppression tools, and equipment, so that improvements are protected.

Requisite Knowledge

1. Describe wildland fire behavior within the wildland/urban interface
2. Describe wildland fuel removal for structure defense preparation
3. Describe structure defense methods
4. Identify equipment and personnel capabilities within the wildland/urban interface
5. Identify the difference between a safety zone and a temporary refuge area (TRA)

Requisite Skills

1. Apply requisite knowledge to *defend* structures

Content Modification

Block	Modification	Justification
JPR	Added "or simulated scenario".	Allows option to complete testing outside of a live wildland fire.
RK 1	Added "within the wildland/urban interface".	Expanding wildland fire behavior (covered in CTS 10-2) to include wildland/urban interface.
RK 2	Added "for structure defense preparation".	Added to clarify the purpose and location of removal.
RK 3	Replaced "protection" with "defense".	"Defend" is California terminology.
RK 4	Added "within the wildland/urban interface".	Expanding wildland fire behavior (covered in CTS 10-2) to include wildland/urban interface.
RK 5	Added knowledge component.	NFPA does not adequately address safety.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-4: Reducing the Threat of Fire Exposure to Improved Properties (WUI)	10-5: Prep and Defend a Structure	(CTS 10-5)

10-6: Mopping Up a Fire Area

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.7
2. Office of the State Fire Marshal

Job Performance Requirement

Mop up fire area, given a wildland fire *or simulated scenario*, suppression tools, and water or other suppression agents and equipment, so that burning fuels that threaten escape are located and extinguished.

Requisite Knowledge

1. *Describe* mop up principles, techniques, and standards

Requisite Skills

1. Use basic tools and techniques to perform mop-up operations

Content Modification

Block	Modification	Justification
JPR	Added "or simulated scenario".	Allows option to complete testing outside of a live wildland fire.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-5: Mopping Up in a Fire Area	10-6: Perform Mop Up Operations	(CTS 10-6)

10-7: Patrolling the Fire Area

Authority

1. NFPA 1051: Standard for Wildland Firefighting Personnel Professional Qualifications (2016)
 - Paragraph 4.5.8
2. Office of the State Fire Marshal

Job Performance Requirement

Patrol the fire area, given a wildland fire *or simulated scenario*, suppression tools, and equipment, so that control of the fire area is maintained.

Requisite Knowledge

1. *Describe* patrol principles, techniques, and standards

Requisite Skills

1. Apply requisite knowledge *to patrolling fire areas*

Content Modification

Block	Modification	Justification
JPR	Added "or simulated scenario".	Allows option to complete testing outside of a live wildland fire.
RS 1	Changed "Application of" to "Apply" and added "to patrolling fire areas".	Revised to narrow scope of requisite knowledge application.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C, Topic 3-6: Patrolling the Fire Area	10-7: Patrol the Fire Area	(CTS 10-7)

ADOPT

Fire Fighter 2

(NFPA Fire Fighter II)

Certification Training Standards Guide (2019)

Published January 2020



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

Fire Fighter 2

Certification Training Standards Guide (2019)

Publication Date: January 2020

This CTS guide utilizes the following NFPA standards to provide the qualifications for State Fire Training's Fire Fighter 1 (2019) certification:

- NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)

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 Craig Allyn Rose Photography.

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Table of Contents

Acknowledgements.....	1
How to Read a CTS Guide	2
Section 1: NFPA Requirements	4
1-1: Identifying NFPA Requirements	4
Section 2: Fire Department Communications	5
2-1: Completing a Basic Incident Report	5
2-2: Communicating the Need for Team Assistance	6
Section 3: Fireground Operations.....	7
3-1: Extinguishing an Ignitable Liquid Fire	7
3-2: Controlling a Flammable Gas Cylinder Fire	9
3-3: Coordinating an Interior Attack Line	10
3-4: Protecting Evidence of Fire Cause and Origin	12
Section 4: Rescue Operations	13
4-1: Extricating a Victim Entrapped in a Motor Vehicle	13
4-2: Assisting Rescue Operation Teams.....	14
Section 5: Fire and Life Safety Initiatives, Preparedness, and Maintenance.....	15
5-1: Performing a Fire Safety Survey in an Occupied Structure	15
5-2: Presenting Fire Safety Information to Station Visitors or Small Groups.....	16
5-3: Preparing a Preincident Survey	17
5-4: Maintaining Power Plants, Power Tools, and Lighting Equipment	18
5-5: Performing an Annual Service Test on Fire Hose	19

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How to Read a CTS Guide

Overview

A certification training standard (CTS) guide lists the requisite knowledge, skills, and job performance requirements an individual must complete in order to become certified in a specific job function.

It also documents and justifies the OSFM-approved revisions to the certification's NFPA standard, and identifies where each certification training standard is taught (course plan), tested (skill sheets), and validated (task book).

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 agency or jurisdiction.

Format

Each certification training standard is comprised of eight sections.

Section Heading

Training standards are grouped by section headings that describe a general category. For example, the Fire Fighter 1 CTS guide includes the following section headings: NFPA Requirements, Fire Department Communications, Fireground Operations, and Preparedness and Maintenance.

Training Standard Title

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

Authority

The CTS guide references each individual 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*.

Job Performance Requirements

This segment includes a written statement that describes a specific job-related task, the items an individual needs to complete the task, and measurable or observable outcomes.

Requisite Knowledge

This segment lists the knowledge that an individual must acquire in order to accomplish the job performance requirement.

Requisite Skills

This segment lists the skills that an individual must acquire in order to accomplish the job performance requirement.

Content Modification

This table documents and justifies any revisions to the NFPA standard that the development or validation cadres make during the development of a CTS guide.

Cross Reference

This table documents where each training standard is taught (course plan), tested (skill sheets), and validated (task book).

Section 1: NFPA Requirements

1-1: Identifying NFPA Requirements

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.1, 5.1.1, 5.1.2
2. Office of the State Fire Marshal

Job Performance Requirement

There is no job performance requirement identified for this training standard.

Requisite Knowledge

1. *Describe the responsibilities of the Fire Fighter II in assuming and transferring command within an incident *command* system*
2. *Describe how to perform assigned duties in conformance with applicable NFPA standards and other safety regulations and AHJ procedures*
3. *Identify the role of a Fire Fighter II within the organization*

Requisite Skills

1. Determine the need for command
2. Organize and coordinate an incident *command* system until command is transferred
3. Function within an assigned role in an incident management system

Content Modification

Block	Modification	Justification
RK 1	Changed "management" to "command".	California uses "command" and not "management".
RK 2	Added "standards".	Added for language consistency. NFPA is the organization but was being used to reference a document.
RS 2	Changed "management" to "command".	California uses "command" and not "management".

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 1-3: Fire Fighter 2 Roles and Responsibilities	1-1: Organize an Incident Management System	N/A

Section 2: Fire Department Communications

2-1: Completing a Basic Incident Report

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.2.1

Job Performance Requirement

Complete a basic incident report, given the report forms, guidelines, and information, so that all pertinent information is recorded, the information is accurate, and the report is complete.

Requisite Knowledge

1. *Identify* content requirements for basic incident reports
2. *Identify* the purpose and usefulness of accurate reports
3. *Identify* the consequences of inaccurate reports
4. *Describe* how to obtain necessary information
5. *Identify* required coding procedures

Requisite Skills

1. Determine necessary codes
2. Proof reports
3. Operate fire department computers or other equipment necessary to complete reports

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 2-1: Completing a Basic Incident Report	2-1: Complete a Basic Incident Report	(CTS 2-1)

2-2: Communicating the Need for Team Assistance

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.2.2

Job Performance Requirement

Communicate the need for team assistance, given fire department communications equipment, SOPs, and a team, so that the supervisor is consistently informed of team needs, departmental SOPs are followed, and the assignment is accomplished safely.

Requisite Knowledge

1. *Describe* SOPs for alarm assignments
2. *Describe* fire department radio communication procedures

Requisite Skills

1. Operate fire department communications equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 2-2: Communicating the Need for Team Assistance	2-2: Communicate the Need for Team Assistance	(CTS 2-2)

Section 3: Fireground Operations

3-1: Extinguishing an Ignitable Liquid Fire

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.3.1
2. Office of the State Fire Marshal

Job Performance Requirement

Extinguish an ignitable liquid fire, operating as a member of a team, given an assignment, an attack line, PPE, a foam proportioning device, a nozzle, foam concentrates (*or suitable substitute*), and a water supply, so that the correct type of foam concentrate is selected for the given fuel and conditions, a properly proportioned foam stream is applied to the surface of the fuel to create and maintain a foam blanket, fire is extinguished, reignition is prevented, team protection is maintained with a foam stream, and the hazard is faced until retreat to safe haven is reached.

Requisite Knowledge

1. *Describe* methods by which foam prevents or controls a hazard
2. *List* principles by which foam is generated
3. *Identify* causes for poor foam generation and corrective measures
4. *Describe the* difference between hydrocarbon and polar solvent fuels and the concentrates that work on each
5. *Identify* the characteristics, uses, and limitations of fire-fighting foams
6. *Describe the* advantages and disadvantages of using fog nozzles versus foam nozzles for foam application
7. *Describe* foam stream application techniques
8. *List* hazards associated with foam usage
9. *Describe* methods to reduce or avoid hazards

Requisite Skills

1. Prepare a foam concentrate supply for use
2. Assemble foam stream components
3. Master various foam application techniques
4. Approach and retreat from spills as part of a coordinated team.

Fire Fighter 2 – Structure
 Section 3: Fireground Operations

Content Modification

Block	Modification	Justification
JPR	Added "(or suitable substitute)".	Each California county has different rules dictated by CalEPA. Many counties are unable to use foam during training exercises.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 3-1: Extinguishing an Ignitable Liquid Fire	3-1: Extinguish an Ignitable Liquid Fire	(CTS 3-1)

3-2: Controlling a Flammable Gas Cylinder Fire

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.3.3

Job Performance Requirement

Control a flammable gas cylinder fire, operating as a member of a team, given an assignment, a cylinder outside of a structure, an attack line, PPE, and tools, so that crew integrity is maintained, contents are identified, safe havens are identified prior to advancing, open valves are closed, flames are not extinguished unless the leaking gas is eliminated, the cylinder is cooled, cylinder integrity is evaluated, hazardous conditions are recognized and acted upon, and the cylinder is faced during approach and retreat.

Requisite Knowledge

1. *Identify* characteristics of pressurized flammable gases
2. *List* elements of a gas cylinder
3. *Describe* effects of heat and pressure on closed cylinders
4. *Describe* boiling liquid expanding vapor explosion (BLEVE) signs and effects
5. *Describe* methods for identifying contents
6. *Describe* how to identify safe havens before approaching flammable gas cylinder fires
7. *Describe* water stream usage and demands for pressurized cylinder fires
8. *Describe* what to do if the fire is prematurely extinguished
9. *Identify* valve types and their operation
10. *Describe* alternative actions related to various hazards and when to retreat

Requisite Skills

1. Execute effective advances and retreats
2. Apply various techniques for water application
3. Assess cylinder integrity and changing cylinder conditions
4. Operate control valves
5. Choose effective procedures when conditions change

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 3-2: Controlling a Flammable Gas Cylinder Fire	3-2: Control a Flammable Gas Cylinder Fire	(CTS 3-2)

3-3: Coordinating an Interior Attack Line

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.3.2
2. Office of the State Fire Marshal

Job Performance Requirement

Coordinate an interior attack line for a team's accomplishment of an assignment in a structure fire, given attack lines, personnel, PPE, and tools, so that crew integrity is established; attack techniques are selected for the given level of the fire (e.g., attic, grade level, upper levels, or basement); attack techniques are communicated to the attack teams; constant team coordination is maintained; fire growth and development is continuously evaluated; search, rescue, and ventilation requirements are communicated or managed; hazards are reported to the attack teams; and incident command is apprised of changing conditions.

Requisite Knowledge

1. *Describe how to select the nozzle and hose for fire attack, given different fire situations*
2. *Describe how to select adapters and appliances to be used for specific fireground situations*
3. *Identify dangerous building conditions created by fire and fire suppression activities*
4. *Describe indicators of building collapse*
5. *Describe the effects of fire and fire suppression activities on wood, masonry (brick, block, stone), cast iron, steel, reinforced concrete, gypsum wallboard, glass, and plaster on lath*
6. *Describe coordinated search and rescue and ventilation procedures*
7. *List indicators of structural instability*
8. *Describe suppression approaches and practices for various types of structural fires*
9. *Describe the association between specific tools and special forcible entry needs*

Requisite Skills

1. Assemble a team
2. Choose attack techniques for various levels of a fire (e.g., attic, grade level, upper levels, or basement)
3. Evaluate and forecast a fire's growth and development
4. Select tools for forcible entry
5. Incorporate search and rescue procedures and ventilation procedures in the completion of the attack team efforts
6. Determine developing hazardous building or fire conditions

Content Modification

Block	Modification	Justification
RK 6	Added "coordinated".	Added to clarify the relationship between very different activities.

Fire Fighter 2 – Structure
Section 3: Fireground Operations

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 3-3: Coordinating an Interior Attack Line	3-3: Coordinate an Interior Fire Attack Line	(CTS 3-3)

3-4: Protecting Evidence of Fire Cause and Origin

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.3.4
2. Office of the State Fire Marshal

Job Performance Requirement

Protect evidence of fire cause and origin, given a flashlight, *PPE*, and overhaul tools, so that the evidence is noted and protected from further disturbance until investigators can arrive on the scene.

Requisite Knowledge

1. *Identify* methods to assess origin and cause
2. *List* types of evidence
3. *Describe* means to protect various types of evidence
4. *Identify* the role and relationship of Fire Fighter IIs, criminal investigators, and insurance investigators in fire investigations
5. *Describe* the effects and problems associated with removing property or evidence from the scene

Requisite Skills

1. Locate the fire's origin area
2. Recognize possible causes
3. Protect the evidence

Content Modification

Block	Modification	Justification
JPR	Added "PPE".	Omitted by NFPA but required for JPR.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 3-4: Protecting Evidence of Fire Cause and Origin	3-4: Protect Evidence of Fire Cause and Origin	(CTS 3-4)

Section 4: Rescue Operations

4-1: Extricating a Victim Entrapped in a Motor Vehicle

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.4.1
2. Office of the State Fire Marshal

Job Performance Requirement

Extricate a victim entrapped in a motor vehicle as part of a team, given stabilization and extrication tools, *a vehicle, and PPE*, so that the vehicle is stabilized, the victim is disentangled without further injury, and hazards are managed.

Requisite Knowledge

1. *Describe* the fire department's role at a vehicle accident
2. *Describe* points of strength and weakness in auto body construction
3. *Describe* the dangers associated with vehicle components and systems
4. *Describe* the uses and limitations of hand and power extrication equipment
5. *Describe* safety procedures when using various types of extrication equipment

Requisite Skills

1. Operate hand and power tools used for forcible entry and rescue as designed
2. Use cribbing and shoring material
3. Use stabilization tools and equipment
4. Choose and apply appropriate techniques for moving or removing vehicle roofs, doors, *seats*, windshields, windows, steering wheels or columns, and the dashboard

Content Modification

Block	Modification	Justification
JPR	Added "a vehicle, and PPE".	Omitted by NFPA but required to complete JPR.
RS 4	Added "seats".	Seats may also need to be removed to extricate a victim.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 4-1: Extricating a Victim Trapped in a Motor Vehicle	4-1: Extricate a Victim Entrapped in a Vehicle Fire	(CTS 4-1)

4-2: Assisting Rescue Operation Teams

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.4.2

Job Performance Requirement

Assist rescue operation teams, given standard operating procedures, necessary rescue equipment, and an assignment, so that procedures are followed, rescue items are recognized and retrieved in the time as prescribed by the AHJ, and the assignment is completed.

Requisite Knowledge

1. *Describes* the fire fighter's role at a technical rescue operation
2. *Identify* hazards associated with technical rescue operations
3. *Describe* types and uses for rescue tools
4. *Identify* rescue practices and goals

Requisite Skills

1. Identify and retrieve various types of rescue tools
2. Establish public barriers
3. Assist rescue teams as a member of the team when assigned

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 4-2: Assisting Rescue Operation Teams	4-2: Assist a Rescue Operations Team	(CTS 4-2)

Section 5: Fire and Life Safety Initiatives, Preparedness, and Maintenance

5-1: Performing a Fire Safety Survey in an Occupied Structure

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.5.1

Job Performance Requirement

Perform a fire safety survey in an occupied structure, given survey forms and procedures, so that fire and life safety hazards are identified, recommendations for their correction are made to the occupant, and unresolved issues are referred to the proper authority.

Requisite Knowledge

1. *Describe* organizational policy and procedures
2. *List* common causes of fire and their prevention
3. *Describe* the importance of a fire safety survey and public fire education programs to fire department public relations and the community
4. *Identify* referral procedures

Requisite Skills

1. Complete forms
2. Recognize hazards
3. Match findings to preapproved recommendations
4. Effectively communicate findings to occupants or referrals

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 5-1: Performing a Fire and Life Safety Survey in an Occupied Structure	5-1: Perform a Fire Safety Survey in an Occupied Structure	(CTS 5-1)

5-2: Presenting Fire Safety Information to Station Visitors or Small Groups

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.5.2

Job Performance Requirement

Present fire safety information to station visitors or small groups, given prepared materials, so that all information is presented, the information is accurate, and questions are answered or referred.

Requisite Knowledge

1. *Describe* parts of informational materials and how to use them
2. *Identify* basic presentation skills
3. *Describe* departmental standard operating procedures for giving fire station tours

Requisite Skills

1. Document presentations
2. Use prepared materials

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 5-2: Presenting Fire Safety Information to Station Visitors or Small Groups	5-2: Present Fire Safety Information	(CTS 5-2)

5-3: Preparing a Preincident Survey

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.5.3

Job Performance Requirement

Prepare a preincident survey, given forms, necessary tools, and an assignment, so that all required occupancy information is recorded, items of concern are noted, and accurate sketches or diagrams are prepared.

Requisite Knowledge

1. *Identify* sources of water supply for fire protection
2. *Describe* the fundamentals of fire suppression and detection systems
3. *Identify* common symbols used in diagramming construction features, utilities, hazards, and fire protection systems
4. *Describe* departmental requirements for a preincident survey and form completion
5. *Identify* the importance of accurate diagrams

Requisite Skills

1. Identify the components of fire suppression and detection systems
2. Sketch the site, buildings, and special features
3. Detect hazards and special considerations to include in the preincident sketch
4. Complete all related departmental forms

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 5-3: Preparing a Preincident Survey	5-3: Prepare a Preincident Survey	(CTS 5-3)

5-4: Maintaining Power Plants, Power Tools, and Lighting Equipment

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.5.4

Job Performance Requirement

Maintain power plants, power tools, and lighting equipment, given tools and manufacturers' instructions, so that equipment is clean and maintained according to manufacturer and departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise.

Requisite Knowledge

1. *Identify* types of cleaning methods
2. *Describe* correct use of cleaning solvents
3. *Describe* manufacturer and departmental guidelines for maintaining equipment and its documentation
4. *Identify* problem-reporting practices

Requisite Skills

1. Select correct tools
2. Follow guidelines
3. Complete recording and reporting procedures
4. Operate power plants, power tools, and lighting equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 5-4: Maintaining Power Plants, Power Tools, and Lighting Equipment	5-4: Maintain Power Plants, Tools, and Equipment	(CTS 5-4)

5-5: Performing an Annual Service Test on Fire Hose

Authority

1. NFPA 1001: Standard for Fire Fighter Professional Qualifications (2019)
 - Paragraph 5.5.5

Job Performance Requirement

Perform an annual service test on fire hose, given *an apparatus or hose testing device*, a marking device, pressure gauges, a timer, record sheets, and related equipment, so that procedures are followed, the condition of the hose is evaluated, any damaged hose is removed from service, and the results are recorded.

Requisite Knowledge

1. *Describe* procedures for safely conducting hose service testing
2. *Identify* indicators that dictate any hose be removed from service
3. *Describe* recording procedures for hose test results

Requisite Skills

1. Operate hose testing equipment and nozzles
2. Record results

Content Modification

Block	Modification	Justification
JPR	Changed “a pump” to “an apparatus or hose testing device”.	This is the generic term used in the field and provides more options for testing.

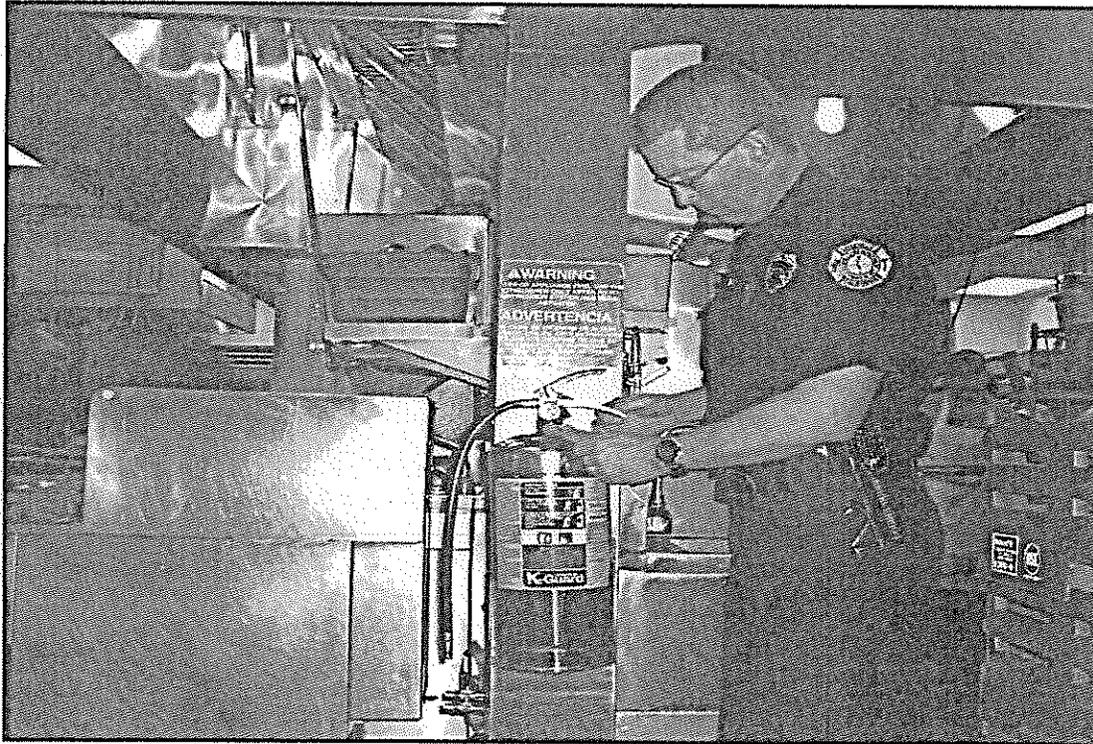
Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 2A, Topic 5-5: Performing an Annual Service Test on a Fire Hose	5-5: Perform an Annual Service Test on a Fire Hose	(CTS 5-5)

ADOPT

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 November 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



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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.

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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

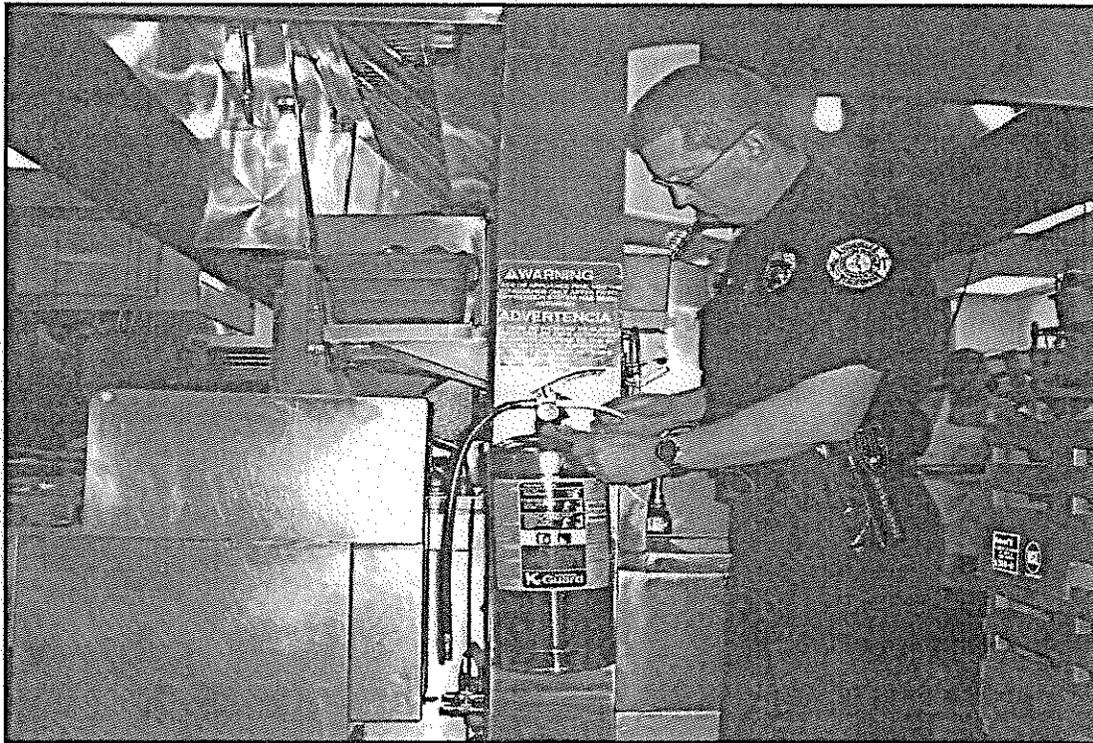
October 2010

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.

ADOPT

FIRE INSPECTOR 2 (2014)

Certification Training Standards Guide



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

Fire Inspector 2 (2014)

Certification Training Standards Guide NFPA 1031 (2014) Fire Inspector 2 and 3 January 2020 Edition

This CTS guide utilizes NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014) Chapter 5 Fire Inspector 2 and Chapter 6 Fire Inspector 2I to provide the qualifications for State Fire Training's Fire Inspector 2 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



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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 2	6
Section 1: Definition of Duties	6
Section 2: Administration.....	8
Section 3: Field Inspection	18
Section 4: Plan Review	41
State Fire Training Content.....	47
Errata.....	50
Certification History	51

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.

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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 that 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 2

Section 1: Definition of Duties

1-1: Definition of Duties for Fire Inspector 2

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.2
 - Paragraph 5.3
 - Paragraph 5.4
 - Paragraph 6.2
 - Paragraph 6.3
2. *Office of the State Fire Marshal*

Given

1. Sections 5.2, 5.3, 5.4, 6.2, and 6.3 of NFPA 1031 (2014)

Requisite Knowledge and Skills

1. Identify the administrative duties of a Fire Inspector 2
 - Conducting research
 - Interpreting codes
 - Implementing policy
 - Testifying at legal proceedings
 - Creating forms and job aids
 - Recommending, creating, and evaluating policies and procedures for life safety inspections and code enforcement activities
2. Identify the field inspection duties of a Fire Inspector 2
 - Conducting code enforcement inspections
 - Analyzing new and existing structures and properties for construction, occupancy, fire protection, and exposures
 - Analyzing code compliance alternatives
 - Evaluating construction, occupancy, fire protection, and exposures
 - Evaluating emergency planning services
3. Identify the plan review duties of a Fire Inspector 2
 - Field verifying shop drawings, plans and construction documents to ensure that they meet the intent of applicable codes and standards for fire and life safety
4. Describe how one's ethics and core values impact the work environment

Job Performance Requirements

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

Section 2: Administration

2-1: Processing Permit Applications

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.2.1

Given

1. A specific request

Requisite Knowledge and Skills

1. *Describe* the permit application process
2. *Identify* applicable codes, standards, policies, and procedures of the jurisdiction
3. Apply requisite knowledge

Job Performance Requirements

Evaluate and process a permit application to issue or deny a permit in accordance with applicable codes and standards and jurisdictional policies.

2-2: Processing Plan Review Applications

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.2.2

Given

1. A specific request

Requisite Knowledge and Skills

1. *Describe* the plan review application process
2. *Discuss* the code requirements of the jurisdiction
3. *Identify* the policies and procedures of the jurisdiction
4. Communicate orally and in writing on matters related to code requirements, policies, and procedures of the jurisdiction

Job Performance Requirements

Evaluate and process a plan review application in accordance with applicable codes and standards and jurisdictional policies.

2-3: Investigating Complex Complaints

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.2.3
2. *Office of the State Fire Marshal*

Given

1. A reported situation or condition

Requisite Knowledge and Skills

1. *Describe methods and procedures to record, validate, and resolve complex complaints*
2. *Identify applicable codes, standards, and policies adopted by the jurisdiction*
3. *Discuss how political pressures impact complaint investigation and resolution*
4. *Interpret codes and standards as they apply to the resolution of a complex complaint*
5. *Recognize problems during the investigation of a complex complaint*
6. *Refer complaints to other agencies when required*

Job Performance Requirements

Investigate complex complaints in order to record complaint information, initiate the investigation process, and resolve the complaint in accordance with application codes and standards and jurisdictional policies.

2-4: Recommending Modifications to Codes and Standards

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.2.4

Given

1. A fire safety issue

Requisite Knowledge and Skills

1. *Describe* state statutes or local ordinances establishing or empowering the agency to adopt, enforce, and revise codes and standards
2. *Describe* the legal instruments establishing or adopting codes and standards
3. *Describe* the development and adoption process for fire and life safety legislation or regulations
4. Recognize problems *with adopted codes and standards, and* collect and develop potential solutions
5. Identify cost/risk benefits *of modifying codes and standards*

Job Performance Requirements

Recommend modifications to the adopted codes and standards of the jurisdiction that address a problem, need, or deficiency.

2-5: Recommending Policies and Procedures for Inspection Services

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.2.5

Given

1. Management objectives

Requisite Knowledge and Skills

1. *Identify* the policies and procedures of the jurisdiction related to code enforcement
2. *Describe* sources of detailed and technical information relating to fire protection and life safety
3. Identify approved construction methods and materials related to fire safety
4. Read and interpret construction plans and specifications
5. Educate *supervisors in the need for new policies and procedures*
6. Conduct research *in order to gather or create supporting documentation*
7. Recognize problems *with existing policies and procedures*

Job Performance Requirements

Recommend policies and procedures for delivering inspection services that are in accordance with jurisdictional policies and follow due process of the law.

2-6: Generating Written Appeals Correspondence

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.2.1

Given

1. A request for an appeal

Requisite Knowledge and Skills

1. *Discuss* the established procedure for modification of applicable codes and standards *for the jurisdiction*
2. *Identify* the judicial review process *for the jurisdiction*
3. *Describe* the established appeals procedure *for the jurisdiction*
4. Interpret codes and standards and communicate requirements *via written appeals correspondence*
5. Evaluate *requests for appeal and make decisions related to the appeals process*
6. Issue written reports *as required by jurisdictional appeals procedure*

Job Performance Requirements

Generate written correspondence related to the issuance of appeals that clearly addresses the issue and is appropriate for the intended audience.

2-7: Proposing Technical Reference Material Acquisition

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner (2014)*

- Paragraph 6.2.5

Given

1. A scope of responsibility
2. Budget limitations
3. Specific code-related issues

Requisite Knowledge and Skills

1. *Identify* types and sources of publications, including:
 - Approval and listings guides
 - Codes and standards
 - Technical references
2. Recognize the need for materials
3. Identify correct materials *for specific needs*
4. Calculate budget impact *of material acquisition*
5. Make decisions regarding *acquisition* priorities

Job Performance Requirements

Propose the acquisition of technical reference materials that meet specific needs.

2-8: Enforcing Permit Regulations

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.2.6

Given

1. A permit application or report of a violation
2. Applicable codes and standards *and policies of the jurisdiction*

Requisite Knowledge and Skills

1. *Describe* legal authority for permit issuance and revocation
2. *Identify* applicable codes and standards adopted by the jurisdiction
3. Make decisions *about permit violations and communicate as necessary to enforce regulations*
4. Evaluate consequences of improper enforcement

Job Performance Requirements

Enforce permit regulations in accordance with applicable codes and standards and jurisdictional policies and mitigate violations.

2-9: Initiating Legal Action

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.2.7

Given

1. A description of a violation
2. A legal opinion

Requisite Knowledge and Skills

1. *Describe* legal procedure for fire code enforcement
2. *Discuss* authority and limitations of police powers
3. Address legal action in accordance with the policies and procedures of the jurisdiction

Job Performance Requirements

Initiate legal action related to a fire code violation in accordance with jurisdictional policies and due process of the law.

2-10: Evaluating Inspection Reports

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.2.9

Given

1. Applicable codes, standards, policies, and procedures of the jurisdiction

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction *and their interrelationships*
2. *Identify* various sources for additional reference materials related to code enforcement
3. *Describe how to evaluate completed inspection reports, forms, and checklists*
4. *Demonstrate* familiarity with code-related research
5. Compare code requirements of a jurisdiction with prepared *inspection* reports
6. Provide corrective information or correction to *subordinate's inspection reports* where necessary

Job Performance Requirements

Evaluate inspection reports and completed forms and checklists for correct, clear, and concise information.

Section 3: Field Inspection

3-1: Computing the Maximum Occupant Load of a Multi-use Building

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.1

Given

1. Field observations or a description of *a building's* uses

Requisite Knowledge and Skills

1. *Describe* how to calculate occupant loads for an occupancy and for building use
2. *Describe* code requirements, regulations, operational features, and fire hazards presented by various occupancies
3. Calculate occupant loads
4. Identify occupancy factors related to various occupancy classifications
5. Use measuring tools, *including a calculator*, to compute the maximum allowable occupant load of a multi-use building

Job Performance Requirements

Compute the maximum allowable occupant load of a multi-use building in accordance with applicable codes and standards.

3-2: Classifying Occupancy in a Mixed-use Building

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.2

Given

1. A description of *a building's* uses

Requisite Knowledge and Skills

1. *Describe* the occupancy classification, applicable codes and standards, operational features, and fire hazards presented by various occupancies
2. Interpret code requirements and recognize building uses that fall into each occupancy classification

Job Performance Requirements

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

3-3: Evaluating Buildings

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.3.3
2. *Office of the State Fire Marshal*

Given

1. An approved set of plans
2. Construction features

Requisite Knowledge and Skills

1. *Describe how to evaluate a building's area, height, and occupancy classification*
2. *Describe building construction with an emphasis on fire-rated construction*
3. *Describe how to evaluate and analyze construction methods and assemblies for fire rating*
4. *Interpret analysis of test results*
5. *Discuss manufacturer's specifications*
6. Identify characteristics of each type of building construction and occupancy classification

Job Performance Requirements

Evaluate a building's area, height, occupancy classification, and construction type to verify the building is in accordance with applicable codes and standards.

3-4: Evaluating Fire, Life Safety, and Property Protection Equipment

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.4

Given

1. Field observations of the facility and documentation
2. The hazards protected
3. System specifications

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards for fire protection systems
2. *Discuss* basic physical science as it relates to fire behavior and fire suppression
3. *Discuss* implications and hazards associated with system operation
4. *Describe* installation techniques and acceptance inspection
5. *Describe* testing and reports of maintenance of completed installations
6. *Describe* the use and function of various systems
7. Recognize problems *with fire protection systems and equipment*
8. Use codes and standards *to evaluate fire protection systems and equipment*
9. Read reports, plans, and specifications *to determine whether life safety and property protection measures are appropriate for the protected occupancies or hazards*

Job Performance Requirements

Evaluate fire protection systems and equipment provided for life safety and property protection to approve them for the protected occupancy or hazard.

3-5: Analyzing Egress Elements

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner (2014)*

- Paragraph 5.3.5

Given

1. Observations made during a field inspection

Requisite Knowledge and Skills

1. *Describe* acceptable means of egress devices
2. Calculate egress requirements
3. Make decisions related to the adequacy of egress

Job Performance Requirements

Analyze the egress elements of a building or portion of a building to verify the provision and location of egress elements in accordance with applicable codes and standards and identify, document, and report deficiencies in accordance with jurisdictional policies.

3-6: Evaluating Hazardous Conditions Involving Equipment, Processes, and Operations

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.6

Given

1. Field observations
2. Documentation

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards
2. *Describe* accepted fire protection practices
3. *Identify* ignition sources related to hazardous conditions, equipment, and processes
4. *Describe* safe housekeeping practices
5. *Identify* additional reference materials related to protection of hazardous processes and code enforcement
6. Observe *hazardous conditions created by installation of equipment, processes and operations*
7. Recognize problems *with equipment, processes, and operations involving hazardous conditions*
8. Interpret codes and communicate *deficiencies in accordance with the policies of the AHJ*

Job Performance Requirements

Evaluate hazardous conditions involving equipment, processes, and operations to verify installation in accordance with applicable codes and standards and identify, document, and report deficiencies in accordance with jurisdictional policies.

3-7: Evaluating Emergency Planning and Preparedness Procedures

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.3.7
2. *Office of the State Fire Marshal*

Given

1. Existing or proposed plans
2. Procedures and applicable codes and standards

Requisite Knowledge and Skills

1. *Describe* the occupancy requirements for emergency evacuation plans
2. *Describe* fire safety programs for crowd control
3. *Identify* the roles of agencies and individuals in implementation and development of emergency plans
4. *Describe how to evaluate emergency planning and preparedness procedures to determine applicability to the facility*
5. Compare submitted plans and procedures with applicable codes and standards adopted by the jurisdiction

Job Performance Requirements

Evaluate emergency planning and preparedness procedures to determine compliance.

3-8: Verifying Code Compliance for Storage, Handling, and Use of Flammable and Combustible Liquids and Gases

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.8

Given

1. Field observations
2. Inspection guidelines from the authority having jurisdiction

Requisite Knowledge and Skills

1. *Describe the properties and hazards of flammable and combustible liquids and gases*
2. *Discuss material safety data sheet*
3. *Describe safe handling practices for flammable and combustible liquids and gases*
4. *Identify applicable codes and standards*
5. *Describe fire protection systems and equipment approved for the material*
6. *Describe fire behavior as it relates to flammable and combustible liquids and gases*
7. *Identify safety procedures*
8. *Identify storage compatibility requirements*
9. *Identify typical fire hazards associated with processes or operations utilizing flammable and combustible liquids*
10. *Observe and recognize problems with storage, handling, and use of flammable and combustible liquids and gases*
11. *Interpret codes in order to make decisions related to the compliant storage, handling, and use of flammable and combustible liquids and gases*
12. *Communicate deficiencies in accordance with applicable codes and standards and jurisdictional policies*

Job Performance Requirements

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

3-9: Evaluating Code Compliance for the Storage, Handling, and Use of Hazardous Materials

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.9

Given

1. Field observations

Requisite Knowledge and Skills

1. *Describe the properties and hazards associated with hazardous materials*
2. *Discuss material safety data sheet*
3. *Describe safe handling, use, and dispensing practices for hazardous materials*
4. *Identify applicable codes and standards*
5. *Describe fire protection systems and equipment approved for the material*
6. *Describe fire behavior as it relates to hazardous materials*
7. *Identify safety procedures*
8. *Describe chemical reactions*
9. *Identify storage compatibility requirements*
10. *Describe how to determine maximum allowable quantities (MAQ)*
11. *Describe control areas*
12. *Describe how to evaluate control areas as they relate to hazardous materials storage*
13. *Describe general requirements for quantities not exceeding maximum allowable quantities per control area*
14. *Identify fire hazards associated with processes or operations utilizing hazardous materials*
15. *Describe the requirements for, and contents of, a Hazardous Materials Management Plan*
16. *Observe and recognize problems with storage, handling, and use of hazardous materials*
17. *Interpret codes in order to make decisions related to the compliant storage, handling, and use of hazardous materials*
18. *Communicate deficiencies in accordance with applicable codes and standards and jurisdictional policies*

Job Performance Requirements

Evaluate code compliance for the storage, handling, and use of hazardous materials to identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-10: Determining Fire Growth Potential

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.3.10
2. *Office of the State Fire Marshal*

Given

1. Field observations or plans

Requisite Knowledge and Skills

1. *Describe flame spread and smoke development ratings of:*
 - Contents
 - Interior finishes
 - Building construction elements
 - Decorations
 - Decorative materials
 - Furnishings
2. *Describe how to determine compliance of contents, interior finish, and construction elements*
3. *Describe how to identify, document, verify, and report or resolve deficiencies*
4. *Discuss safe housekeeping practices*
5. *Communicate deficiencies in building contents, interior finishes, and construction elements*
6. *Interpret codes and standards related to building contents, interior finishes, and construction elements*
7. *Recognize hazardous conditions and make decisions regarding corrections*

Job Performance Requirements

Determine fire growth potential in a building or space by evaluating the contents, interior finishes and construction elements for compliance, and identify, document, and correct deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-11: Verifying Installation, Inspection, and Testing of Life Safety Systems and Building Services Equipment

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.11

Given

1. A performance-based design

Requisite Knowledge and Skills

1. *Describe* applicable codes and standards for installation and testing of fire protection systems
2. *Describe how to verify that* means of egress are installed, inspected, and tested to perform as designed
3. *Describe how to verify that* building services equipment is installed, inspected, and tested to perform as designed
4. Witness and document tests of fire protection systems and building services equipment

Job Performance Requirements

Verify that life safety systems and building services equipment are installed, inspected, and tested to perform as described in the engineering documents and the operations and maintenance manual that accompanies the design to identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-12: Verifying Code Compliance of Building Service Equipment and Operations

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.3.12

Given

1. Field observations

Requisite Knowledge and Skills

1. *Describe* types, installation, maintenance, and use of building service equipment
2. *Describe* the operation of smoke and heat vents
3. *Describe* the installation of kitchen cooking equipment (including hoods and ducts), laundry chutes, elevators, and escalators
4. *Identify* applicable codes and standards adopted by the jurisdiction
5. *Observe and recognize problems with HVAC and other building service equipment and operations*
6. *Interpret codes and standards related to building service equipment and write reports to document deficiencies*

Job Performance Requirements

Verify code compliance of heating, ventilation, air conditioning, and other building service equipment and operations to verify maintenance in accordance with applicable codes and standards and identify, document, and report deficiencies in accordance with jurisdictional policies.

3-13: Assessing Alternative Methods to Adjust Occupant Loads

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.1

Given

1. A description of an area, building, or portion of a building and its intended use

Requisite Knowledge and Skills

1. *Identify applicable codes and standards adopted by the jurisdiction*
2. *Discuss occupancy requirements for adjusting occupant loads*
3. *Describe impact of egress requirements on alternative methods to adjust occupant loads*
4. *Describe how to evaluate evacuation plan procedures related to adjusted occupant loads*
5. Evaluate evacuation plan procedures
6. Read plans and reports, interpret codes and standards, and make decisions related to adjusting occupant loads
7. Analyze performance-based reports

Job Performance Requirements

Assess alternative methods to adjust occupant loads to keep the occupant load in accordance with applicable codes and standards.

3-14: Proposing Correction for Egress Deficiencies

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 6.3.2
2. *Office of the State Fire Marshal*

Given

1. A list of means of egress deficiencies in a building
2. The proposed correction

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Describe impact of* occupancy requirements on egress deficiencies
3. *Describe* means of egress requirements for a building or portion of a building
4. *Read and analyze* plans and performance-based reports
5. Interpret codes and standards *related to egress deficiencies and make decisions regarding correction*

Job Performance Requirements

Evaluate each deficiency and its proposed correction for compliance with applicable codes and standards, and identify, document, and report egress deficiencies in accordance with jurisdictional policies.

3-15: Evaluating Construction Type of an Addition or Remodel

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 6.3.3
2. *Office of the State Fire Marshal*

Given

1. A description of a building and its use

Requisite Knowledge and Skills

1. *Identify* policies, procedures, and applicable codes and standards adopted by the jurisdiction
2. *Describe the impact of* occupancy requirements on construction type
3. *Describe* construction methods
4. *Describe building construction features required in a wildland urban interface environment, including:*
 - *Ignition-resistant construction*
 - *Roofing*
 - *Vents*
 - *Exterior coverings*
 - *Exterior doors and windows*
 - *Decking*
 - *Ancillary structures*
5. *Recognize problems with the construction type of an addition or remodeling project*
6. *Read reports and plans as necessary to evaluate construction type*

Job Performance Requirements

Evaluate the construction type required for an addition or remodeling project based on applicable codes and standards, and identify, document, and report deficiencies in accordance with jurisdictional policies.

3-16: Evaluating Alternative Protection Measures of Equipment, Operations, and Processes

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.4

Given

1. Deficiencies noted during a field inspection of a facility
2. Proposed alternative methods

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Describe* hazards of the process or operation
3. *Discuss* fire protection systems *requirements*
4. *Identify* inherent hazards *associated with equipment, operations, and processes*
5. *Identify necessary* safety precautions
6. *Observe and recognize problems with alternative protection measures for equipment, operations, and processes*
7. *Verify compliance of alternative protection measures for equipment, operations, and processes in order to resolve deficiencies*

Job Performance Requirements

Evaluate alternative protection measures of equipment, operations, and processes to verify that the level of protection they provide complies with the intent of applicable codes and standards.

3-17: Evaluating Fire Protection Plans and Practices

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.5

Given

1. A field report describing a facility housing a complex process or operation

Requisite Knowledge and Skills

1. *Identify the fire growth potential associated with complex processes or operations*
2. *Identify the fire protection levels for various complex processes or operations*
3. *Analyze various scenarios to determine appropriate fire protection level*
4. *Describe evacuation procedures*
5. *Observe and recognize problems with fire protection plans and practices*
6. *Evaluate hazards and verify appropriate protection level in accordance with applicable codes and standards and jurisdictional policies*

Job Performance Requirements

Evaluate fire protection plans and practices to determine the fire growth potential for all areas and verify that the protection level is appropriate for the hazard in accordance with applicable codes and standards and jurisdictional policies.

3-18: Recommending Criteria for Developing Emergency Plans and Procedures

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 6.3.6
2. *Office of the State Fire Marshal*

Given

1. A description of a building and its use

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Discuss* the purpose, use, and applicability of evacuation plans
3. *Identify information sources and recommend criteria for emergency evacuation plans*
4. *Describe* human behavior during fires and other emergencies
5. Read *emergency plans and reports*
6. Recognize problems *with emergency plans and procedures*

Job Performance Requirements

Recommend criteria for developing emergency planning and procedures in accordance with applicable codes and standards and jurisdictional policies.

3-19: Evaluating Compliance Alternatives for the Storage, Handling, and Use of Hazardous Materials

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 6.3.7
2. *Office of the State Fire Marshal*

Given

1. Field inspection reports
2. Proposed compliance alternatives

Requisite Knowledge and Skills

1. *Identify other agencies that have requirements and jurisdiction related to hazardous materials*
2. *Observe and recognize problems with compliance alternatives for the storage, handling, and use of hazardous materials*
3. *Describe how to evaluate compliance alternatives for the storage, handling, and use of hazardous materials to ensure compliance with the intent of applicable codes and standards and jurisdictional policies*
4. *Read plans, reports and material safety data sheets as required to evaluate compliance alternatives for the storage, handling, and use of hazardous materials*

Job Performance Requirements

Evaluate compliance alternatives for the storage, handling, and use of hazardous materials to verify that their level of safety complies with the intent of applicable codes and standards and jurisdictional policies.

3-20: Evaluating Compliance Alternatives for the Storage, Handling, and Use of Flammable or Combustible Liquids and Gases

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.8

Given

1. Field inspection reports
2. Proposed compliance alternatives

Requisite Knowledge and Skills

1. *Identify* other agencies that have requirements and jurisdiction related to flammable and combustible liquids and gases
2. Read plans, reports and material safety data sheets *as required to evaluate compliance alternatives for the storage, handling, and use of flammable or combustible liquids and gases*

Job Performance Requirements

Evaluate compliance alternatives for the storage, handling, and use of flammable or combustible liquids and gases so that their storage, handling, and use comply with the intent of applicable codes and standards and jurisdictional policies.

3-21: Witnessing an Acceptance Test for an Integrated Fire Protection System

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.9

Given

1. Approved shop drawings
2. Test protocols
3. An installed system

Requisite Knowledge and Skills

1. *Describe* acceptance test procedures
2. *Identify* appropriate codes and standards
3. Supervise the performance of acceptance tests

Job Performance Requirements

Witness an acceptance test for an integrated fire protection system to evaluate for compliance, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-22: Developing Emergency Access Criteria

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.10

Given

1. The jurisdiction's emergency fire apparatus
2. The jurisdiction's fire suppression practices

Requisite Knowledge and Skills

1. *Discuss* emergency access and accessibility requirements of the jurisdiction
2. *Describe* the performance specifications related to access of emergency vehicles of the jurisdiction
3. Identify emergency access requirements contained in the applicable codes and standards
4. Make decisions as required to develop emergency access criteria
5. Use measuring tools to *evaluate emergency fire apparatus for use in planning emergency access criteria*

Job Performance Requirements

Develop emergency access criteria to deliver fire suppression services in accordance with jurisdictional policies.

3-23: Evaluating Compliance of Life Safety Systems and Building Services Equipment with Construction Documents

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 6.3.11

Given

1. A performance-based design

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards for installation and testing of fire protection systems, means of egress, and building services equipment
2. Witness and document tests of fire protection systems and building services equipment

Job Performance Requirements

Evaluate compliance with construction documents to ensure after installation, inspection, and testing, that life safety systems and building services equipment perform as described in the engineering documents and the operations and maintenance manual that accompanies the design; and to identify, document, and report deficiencies in accordance with the policies of the jurisdiction.

Section 4: Plan Review

4-1: Classifying the Occupancy of a Building

Authority

1. NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014)
 - Paragraph 5.4.1
2. *Office of the State Fire Marshal*

Given

1. A building's plans and specifications
2. A building's description

Requisite Knowledge and Skills

1. *Describe types of plan views and system plans*
2. *Describe the systematic plan review process*
3. *Describe how to identify an occupancy classification from a set of plans*
4. *Identify applicable codes, standards, and regulations*
5. *Discuss how operational features may impact occupancy classification*
6. *Identify fire hazards presented by various occupancies*
7. *Read plans to determine occupancy classification*

Job Performance Requirements

Classify the occupancy of a building in accordance with applicable codes and standards and jurisdictional policies.

4-2: Computing Maximum Allowable Occupancy Loads

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.4.2

Given

1. A floor plan of a building or portion of a building

Requisite Knowledge and Skills

1. *Describe* how to calculate occupant loads for an occupancy and building use
2. *Identify* codes, requirements, and regulations
3. *Discuss* how operational features such as fixed seating *impact* occupant load
4. *Identify* fire hazards presented by various occupancies
5. Calculate accurate occupant loads
6. Identify occupancy factors related to various occupancy classifications
7. Use measuring tools, *including a calculator*, to compute maximum allowable occupancy loads
8. Read plans to compute maximum allowable occupancy loads

Job Performance Requirements

Compute the maximum allowable occupant load of a building or portion of the building in accordance with applicable codes and standards and jurisdictional policies.

4-3: Reviewing Proposed Installation of Fire Protection Systems

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.4.3

Given

1. Shop drawings and system specifications for a process or operation

Requisite Knowledge and Skills

1. *Describe* proper selection, distribution, location, and testing of portable fire extinguishers
2. *Discuss* methods used to evaluate the operational readiness of water supply systems used for fire protection
3. *Describe* the evaluation and testing of automatic sprinkler, water spray, and standpipe systems and fire pumps
4. *Describe* the evaluation and testing of fixed fire suppression systems
5. *Describe* the evaluation and testing of automatic fire detection and alarm systems and devices
6. Read basic floor plans or shop drawings
7. Identify symbols used by the jurisdiction

Job Performance Requirements

Review the proposed installation of fire protection systems for code compliance and installation in accordance with the approved drawings, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

4-4: Reviewing Installed Fire Protection Systems

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.4.4

Given

1. An installed system
2. Shop drawings
3. System specifications for a process or operation

Requisite Knowledge and Skills

1. *Describe* proper selection, distribution, location, and testing of portable fire extinguishers
2. *Discuss* methods used to evaluate the operational readiness of water supply systems used for fire protection
3. *Describe* the evaluation and testing of automatic sprinkler, water spray, and standpipe systems, and fire pumps
4. *Describe* the evaluation and testing of fixed fire suppression systems
5. *Describe* the evaluation and testing of automatic fire detection and alarm systems and devices
6. Read basic floor plans or shop drawings

Job Performance Requirements

Verify that the fire protection systems are installed in compliance with code and in accordance with the approved drawings, and identify, document, and report deficiencies in accordance with applicable codes, standards, and jurisdictional policies.

4-5: Verifying Means of Egress Elements

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner (2014)*

- Paragraph 5.4.5

Given

1. A floor plan of a building or portion of a building

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Describe the* standard symbols used in plans to denote means of egress
3. *Discuss* field verification practices used to confirm appropriate egress elements
4. Read plans *as required* to verify means of egress elements
5. Research codes and standards to verify means of egress elements

Job Performance Requirements

Verify the provision of means of egress elements; identify and check elements against applicable codes and standards; and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

4-6: Verifying Construction Type

Authority

NFPA 1031 *Standard for Professional Qualifications for Fire Inspectors and Plan Examiner* (2014)

- Paragraph 5.4.6

Given

1. A set of approved plans and specifications

Requisite Knowledge and Skills

1. *Discuss* building construction with an emphasis on fire-rated construction
2. *Describe* evaluation of methods of construction and assemblies for fire rating
3. *Interpret* analysis of test results
4. *Discuss* manufacturer's specifications
5. Identify characteristics of each type of building construction

Job Performance Requirements

Verify that the construction type of a building or portion thereof complies with approved plans and applicable codes and standards.

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 2

CTS	Block	Addition	Justification	Source/Reference
2-3	RKS	Describe methods and procedures to record, validate, and resolve complex complaints	Added to clarify intent of JPR.	N/A
2-3	RKS	Discuss how political pressures impact complaint investigation and resolution	Added to clarify intent of JPR.	N/A
2-8	G	Added /and policies of the jurisdiction/.	Added to match language in JPR.	N/A
2-10	RKS	Describe how to evaluate completed inspection reports, forms, and checklists	Added to match language in JPR.	N/A
2-10	RKS	Added /to subordinate's inspection reports/.	Added to clarify intent of JPR.	N/A
3-3	RKS	Describe how to evaluate a building's area, height, and occupancy classification	Added to match JPR requirements.	N/A
3-3	RKS	Added /analyze/.	Added to increase level of learning required by JPR.	N/A
3-7	RKS	Describe how to evaluate emergency planning and preparedness procedures to determine applicability to the facility	Added to clarify intent of JPR.	N/A

State Fire Training Content

CTS	Block	Addition	Justification	Source/Reference
3-8	RKS	Added /and gases/.	Added to match JPR requirements.	
3-9	RKS	Added /use, and dispensing/.	Added to match JPR requirements/clarify NFPA intent.	N/A
3-9	RKS	Describe how to determine maximum allowable quantities (MAQ)	This task is not included in NFPA 1031 but is required by California law.	California Fire Code (2016)
3-9	RKS	Describe control areas	This task is not included in NFPA 1031 but is required by California law.	California Fire Code (2016)
3-9	RKS	Describe how to evaluate control areas as they relate to hazardous materials storage	This task is not included in NFPA 1031 but is required by California law.	California Fire Code (2016)
3-9	RKS	Describe general requirements for quantities not exceeding maximum allowable quantities per control area	This task is not included in NFPA 1031 but is required by California law.	California Health & Safety Code, Division 20, Chapter 6.95
3-9	RKS	Describe the requirements for, and contents of, a Hazardous Materials Management Plan	This task is not included in NFPA 1031 but is required by California law.	California Health & Safety Code, Division 20, Chapter 6.11
3-10	RKS	Describe how to determine compliance of contents, interior finish, and construction elements	Added to match JPR requirements.	N/A
3-10	RKS	Describe how to identify, document, verify, and report or resolve deficiencies	Added to match JPR requirements.	N/A
3-15	RKS	Describe building construction features required in a wildland urban interface environment, including:	This task is not included in NFPA 1031 but is required by California law.	<ul style="list-style-type: none"> • California Building Code Chapter 7A (current) • Public Resources

State Fire Training Content

CTS	Block	Addition	Justification	Source/Reference
		<ul style="list-style-type: none"> • Ignition-resistant construction • Roofing • Vents • Exterior coverings • Exterior doors and windows • Decking • Ancillary structures 		Code Section 4291
3-18	RKS	Identify information sources and recommend criteria for emergency evacuation plans	Added to clarify intent of JPR.	N/A
3-19	RKS	Describe how to evaluate compliance alternatives for the storage, handling, and use of hazardous materials to ensure compliance with the intent of applicable codes and standards and jurisdictional policies	Added to match JPR requirements.	N/A
4-1	RKS	Describe types of plan views and system plans	Added to clarify intent of JPR.	N/A
4-1	RKS	Describe the systematic plan review process	Added to clarify intent of JPR.	N/A

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

January 2020

The September 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 significant changes found within NFPA 1031 Chapter 5 and Chapter 6. Some 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.