

Fire Fighter 1

(NFPA 1010: Fire Fighter I)

Certification Training Standards Guide (2024)



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

Fire Fighter 1

Certification Training Standards Guide (2024)

Publication Date: May 2025

This CTS guide utilizes the following NFPA standards to provide the qualifications for State Fire Training's Fire Fighter 1 (2024) curriculum:

- NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
- NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standards for Responders (2022)
- NFPA 1140: Standard for Wildland Fire Protection (2022)

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 Jeff Baumunk, Chief/Public Safety Director, El Camino College; Adjunct Faculty, Rio Hondo College.

Published by State Fire Training.

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Acknowledgements

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

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

CAL FIRE

- Joe Tyler, Director
- Daniel Berlant, State Fire Marshal
- Chris Fowler, Chief of State Fire Training
- Mike Richwine, Chair, Statewide Training and Education Advisory Committee (STEAC); State Fire Marshal (Retired), CAL FIRE/Office of the State Fire Marshal

Cadre – 2024 Curriculum Development

Leadership

- Chris Fowler, Cadre Lead, Chief, CAL FIRE/State Fire Training
- Caryn Petty, Cadre Lead, Deputy State Fire Marshal III (Specialist), CAL FIRE/State Fire Training
- Kristin Thiel, Editor in Training, Sacramento State

Members (Development and Validation)

- David Baldwin, Battalion Chief (Retired), Sacramento Fire Department; Adjunct Faculty, Sierra College; Adjunct Faculty, American River College
- Jeff Baumunk, Chief/Public Safety Director, El Camino College; Adjunct Faculty, Rio Hondo College
- Daniel Brunicardi, Fire Captain, Fremont Fire Department
- Justin Chaplin, Battalion Chief, CAL FIRE/Castle Training Center
- Katharine Erhardt, Fire Captain, Alameda County Fire Department; Adjunct Faculty, Las Positas College
- Brett Fucillo, Battalion Chief, CAL FIRE/Training Center
- Brian Gonsalves, Battalion Chief, Sacramento Metropolitan Fire District; Adjunct Faculty, Sierra College
- Chris Hill, Fire Fighter/Paramedic, San Diego Fire-Rescue Department
- Matthew Jewett, Fire Academy Director, San Diego Miramar College

Acknowledgments

- Paul Lindley, Fire Chief, Arrowbear Lake Fire Department; Adjunct Faculty, Mt. San Jacinto College
- Brook Mancinelli, Captain, San Francisco Fire Department
- Jake Miille, Fire Fighter, Chico Fire Department; Adjunct Faculty, Butte College
- Andrew Murtagh, Lieutenant, San Francisco Fire Department; Adjunct Faculty, Fire Technology Program, College of San Mateo
- Brett Pearson, Fire Captain, Orange County Fire Authority
- Kelly Zook, Captain, City of Roseville Fire Department

How to Read a CTS Guide

Overview

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

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

Individuals aspiring to meet State Fire Training's curriculum 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 curriculum 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: Structure Fire Fighter Duties, 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 shaded in gray.

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 to accomplish the job performance requirement.

Requisite Skills

This segment lists the skills that an individual must acquire 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).

Structure

Section 1: Structure Fire Fighter Duties

1-1: Role of the Fire Fighter 1

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.1.1, 6.1.2

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 and the community
3. Describe the mission of fire service
4. Describe the fire department's standard operating procedures (SOPs; if applicable) 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 1550: Standard for Emergency Responder Health and Safety (which includes 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
RK2	Added "and the community".	Fire fighters must clearly know their role in the community.
RK4	Added "; if applicable".	Not every fire service has an SOP.

Fire Fighter 1 - Structure

Section 1: Structure Fire Fighter Duties

RK10	Changed “1500” to “1550: Standard for Emergency Responder Health and Safety (which includes NFPA 1500)”.	A revised NFPA standard came out between the publication of NFPA 1010 and the 2024 cadre.
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Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 1-3 (RK1, RK2, RK3, RK4, RK5, RK6, RS3)• Topic 2-2 (RK9, RK10)• Topic 2-3 (RK7, RK8)• Topic 2-4 (RS1)• Topic 4-1 (RS2)	N/A	N/A

The training for this RK7 and RK8 of this standard can be met through the completion of State Fire Training’s Behavioral Health and Cancer Awareness 1A (2020) course.

1-2: Inspecting and Maintaining Structural 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. Explain the importance of standards for structural PPE
2. Identify the components of structural PPE
3. Describe how improper usage or maintenance can compromise PPE effectiveness
4. Describe proper methods 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 1010 does not include a designated JPR for inspecting and maintaining PPE, but it is a Cal/OSHA requirement: Title 8 CCR § 3401(b)(4).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-5	1-7: Doff, Inspect, and Prepare Structural PPE for Reuse (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 1

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. Explain the importance of standards for SCBA
2. Identify the components of SCBA
3. Describe how improper fit, usage, or maintenance can compromise SCBA effectiveness
4. Identify the proper methods 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 1010 does not include a designated JPR for inspecting and maintaining SCBA, but it is a Cal/OSHA requirement: Title 8 CCR § 5144(k).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-6	1-3: Inspect SCBA (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 2

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 PPE
2. Describe the limitations of 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 1010 does not include a designated JPR for donning PPE. OSFM requires 60 seconds, an industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-4	1-4: Don Structural PPE (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 3

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. Describe operational inspection procedures for SCBA
6. Identify manufacturer guidelines for correct SCBA use

Requisite Skills

1. Don SCBA
2. Perform operational inspection of SCBA

Content Modification

Block	Modification	Justification
CTS	Added a certification standard.	NFPA 1010 does not include a designated JPR for donning SCBA. OSFM requires 60 seconds, an industry standard.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-6	1-5: Don SCBA (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 4

1-6: Doffing Self-Contained Breathing Apparatus

Authority

- 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

1. Doff SCBA
2. Return SCBA to a ready state

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1010 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: Structure (2024) <ul style="list-style-type: none">• Topic 2-6	1-6: Doff SCBA (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 5

1-7: Doffing Structural 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

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

Content Modification

Block	Modification	Justification
CTS	Added a certification training standard.	NFPA 1010 does not include a designated JPR for doffing PPE for doffing PPE, but it is a required on-the-job skill.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-5	1-7: Doff, Inspect, and Prepare Structural PPE for Reuse (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 6

1-8: Doffing Self-Contained Breathing Apparatus and Structural 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 1010 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: Structure (2024) <ul style="list-style-type: none">• Topic 2-8	1-8: Doff SCBA and PPE for Gross Decontamination (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 7

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.	NFPA 1010 does not include a designated JPR for identifying confined spaces, but it is California state law (8 CCR § 5156-5158).

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
CSRA: Confined Space Rescue: Awareness (2021)	Covered in CSRA training materials	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 8

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 Command Systems

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Operate within command systems, 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. Describe recognized command systems.
2. Explain the principles and basic structure of the Incident Command System (ICS)
3. Describe the National Incident Management System (NIMS) characteristics that are the foundation of the ICS
4. Describe the ICS functional areas and the roles of the Incident Commander and Command Staff
5. Describe the General Staff roles within ICS
6. 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.	NFPA 1010 does not capture California law: Title 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: Structure (2024) <ul style="list-style-type: none">• Topic 2-1	Covered in other training modules	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 9

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

1-11: Fire Fighter 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 1550: Standard for Emergency Responder Health and Safety
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, but is not covered by NFPA.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-2	N/A	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 10

1-12: Behavioral Health

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.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-3	N/A	N/A

The training for this standard can be met through the completion of State Fire Training's Behavioral Health and Cancer Awareness 1A (2020) course.

1-13: Cancer Awareness

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 unmodifiable and modifiable 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
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

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: Structure (2024) <ul style="list-style-type: none">• Topic 2-4	N/A	N/A

The training for this standard can be met through the completion of State Fire Training's Behavioral Health and Cancer Awareness 1A (2020) course.

Section 2: Communications

2-1: Initiating the Response to a Reported Emergency

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.2.1
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 (if applicable), and communications equipment and technology, so that all necessary information is obtained, communications equipment and technology are 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 the dispatch center
4. Identify different types of fire department communications equipment

Requisite Skills

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

Content Modification

Block	Modification	Justification
JPR	Added “(if applicable)”.	Not every fire service has an SOP.
RK4	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: Structure (2024) <ul style="list-style-type: none">• Topic 3-1	2-1: Initiate a Response to an Emergency (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 11

2-2: Transmitting and Receiving Communications

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.2.2
2. NFPA 1930: Standard on Fire and Emergency Service Use of Thermal Imagers, Two-Way Portable RF Voice Communication Devices, Ground Ladders, and Fire House, and Fire Hose Appliances
3. Office of the State Fire Marshal

Job Performance Requirement

Transmit and receive communications using fire department equipment and technology, given equipment and technology and standard operating procedures (if applicable), so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.

Requisite Knowledge

1. Describe departmental communications procedures and etiquette for routine traffic, emergency traffic, and emergency evacuation signals
2. Identify types and operations of fire department communications equipment and technology

Requisite Skills

1. Operate communications equipment and technology
2. Identify the differences between routine and emergency traffic

Content Modification

Block	Modification	Justification
JPR	Added “standard”.	Added for consistency with other instances within NFPA 1010.
JPR	Added “(if applicable)”.	Not every fire service has an SOP.
RK2	Added knowledge component.	The JPR requires the candidate to use communications equipment and technology but doesn’t include any knowledge of types and use.
RS2	Changed “discriminate” to “identify the differences”.	SFT uses neutral language whenever possible without changing content or context.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 3-2	2-2: Operate a Fire Department Radio (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 12

2-3: Activating an Emergency Call for Assistance

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.2.3

Job Performance Requirement

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

Requisite Knowledge

1. Describe 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
JPR	Added "(if applicable)".	Not every fire service has an SOP.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Firefighter 1A <ul style="list-style-type: none">• Topic 3-3	2-3: Operate a Fire Department Radio 3-5: Activate an Emergency Call and Exit a Hazardous Area (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 13

Section 3: Fireground Operations

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.1
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 controlled breathing techniques
2. Replace SCBA air cylinders
3. Use SCBA to exit through restricted passages
4. Monitor and manage air consumption
5. Initiate and complete emergency procedures in the event of SCBA failure or air depletion
6. Complete donning procedures

Content Modification

Block	Modification	Justification
RK6	Added knowledge component.	Added to comply with NFPA 1404, which is becoming a part of NFPA 1400.
RS1	Revised without changing intent.	Revised for clarification.
RS4	Added skills component.	Added to comply with NFPA 1404, which is becoming a part of NFPA 1400.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-5 (RK1, RK2, RK3, RK4)• Topic 2-6 (RS2)• Topic 2-7 (RK5, RK6, RK7, RK8, RS,1, RS3, RS4, RS5)	3-1a: Replace an SCBA Air Cylinder (2024) 3-1b: Use SCBA During Emergency Operations (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 14

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.2

Job Performance Requirement

Respond on an 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 PPE 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 the means for usage

Requisite Skills

1. Use each piece of provided safety equipment

Content Modification

Block	Modification	Justification
JPR	Added "an".	Added to correct grammar.
JPR	Added "an apparatus".	Not included in the given but required to complete the task.
RK4	Added "different".	Fire fighters may go on so many different types of incidents in a shift, each requiring different PPE, that it is imperative they are instructed in the different types of PPE.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 2-9	3-2: Respond to an Emergency Scene on an Apparatus (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 15

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.3

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 or other special hazards, an assignment, and SOPs (if applicable), 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.
JPR	Added "or other special hazards".	Changing technologies continue to create new and emerging hazards on emergency scenes.
JPR	Added "(if applicable)".	Not every fire service has an SOP.
RK2	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: Structure (2024) <ul style="list-style-type: none">• Topic 2-10	3-3: Operate at an Emergency Scene (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 16

3-4: Forcing Entry into a Structure

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.4
2. Office of the State Fire Marshal

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.
RK2	Added knowledge component.	Not included in NFPA 1010 but required to complete RS1.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-1 (RK1)• Topic 5-10 (RK1, RK2, RK3, RK4, RS1, RS2)	3-4: Force Entry into a Structure (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 17

3-5: Exiting a Hazardous Area

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.5

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
4. Define what constitutes a safe haven
5. Identify elements that create or indicate a hazard
6. 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 1010 but required for fire fighter survival.
RS2	Changed "guideline" to "guide line".	Changed to clarify meaning. NFPA 1010 used the wrong word.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 6-1	3-5: Activate an Emergency Call and Exit a Hazardous Area (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 18

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.6
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 1010 but required for fire fighter survival.
RK1	Added knowledge component.	Not included in NFPA 1010 but needed for proper ladder use.
RK2	Added to a knowledge component	Not included in NFPA 1010 but needed for proper ladder use.
RK3	Added knowledge component.	Not included in NFPA 1010 but needed for proper ladder use.
RK4	Added knowledge component.	Not included in NFPA 1010 but needed for proper ladder use.
RK5	Added knowledge component.	Not included in NFPA 1010 but needed for proper ladder use.
RS1	Added "Lift and".	Changed to match RK3.
RS2	Added "and move".	Not included in NFPA 1010 but needed for proper ladder use.
RS5	Added skills component.	Added to correspond with RK4.
RS10	Added skills component.	This is a Cal/OSHA requirement Title 8 CCR § 3276.
RS11	Added skills component.	Added to correspond with RK6.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none"> • Topic 5-8 (RK1, RK2) • Topic 5-9 (RK3, RK4, RK5, RK6, RK7, RK8, RK9, RK10, RK11, RS1, RS2, RS3, RS4, RS5, RS6, RS7, RS8, RS9, RS10, RS11) 	3-6: Lift, Carry, Raise, and Ascend a Ground Ladder (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none"> • JPR 19

3-7: Attacking a Passenger Vehicle Fire

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.7
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 including alternative power source vehicles 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. Identify automobile fuel types, including alternative fuels and power sources, 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 type
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)”.	Cal/OSHA requirement Title 8 CCR § 5144 for IDLH environments.
JPR	Added “(1½ inch or larger)”.	Specified by RS5.
JPR	Added “a passenger vehicle or prop”.	Not included in the given but required to complete the JPR.

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JPR	Added “including alternative power source vehicles”.	This is becoming a major trend in fireground operations. NFPA offers a stand-alone course on alternative fuel vehicles.
RK4	Added “automobile fuel types, including” and “and power sources”.	NFPA requires skill around automobile fuel types but not the knowledge. Also, changing technologies continue to create new and emerging hazards on emergency scenes.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 7-2	3-7: Attack a Passenger Vehicle Fire (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 20

3-8: Extinguishing Fires in Exterior Class A Materials

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.8

Job Performance Requirement

Extinguish fires in exterior Class A materials, given fires in stacked or piled materials, small unattached structures, and storage containers that can be fought from the exterior, attack lines, hand tools and master stream devices, structural personal protective equipment (PPE), self-contained breathing apparatus (SCBA), 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 hose lines 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 “structural personal protective equipment (PPE)”	Not included in NFPA 1010 but required for fire fighter survival.
JPR	Added “self-contained breathing apparatus (SCBA)”	Not included in NFPA 1010 but required for fire fighter survival

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 7-1	3-8: Operate a Portable Master Stream (2024) 3-9: Combat a Ground Cover, Debris, or Exterior Fire (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 21

3-9: [Placeholder]

3-10: Conducting a Search and Rescue in a Structure

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.9
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 imager, 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 imagers 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

Content Modification

Block	Modification	Justification
JPR	Added "self-contained breathing apparatus (SCBA)".	Required for RK1 but not included in the given.
JPR	Added "or guide lines".	This is an additional option for orientation.
JPR	Added "a thermal imager".	This is a recognized industry standard not included in NFPA 1010.

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RK2	Added knowledge component.	This is a recognized industry standard not included in NFPA 1010.
RK8	Revised without changing intent.	Revised for clarification.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">Topic 5-12	3-10a: Search for and Rescue a Victim with No Respiratory Protection (2024) 3-10b: Rescue a Fire Fighter (2024) 3-10c: Use a Ladder for Rescue (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">JPR 23

3-11: Attacking an Interior Structure Fire

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.10
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 hose lines 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 a water hammer 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

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 RS4 and RS7.
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.
RK1	Added knowledge component.	Not included in NFPA 1010 but needed for proper hose use.
RK2	Added knowledge component.	Not included in NFPA 1010 but needed for proper hose use.
RK3	Added knowledge component.	Not included in NFPA 1010 but needed for proper hose selection and attack.
RK16	Added “methods for locating”.	Not included in NFPA 1010 but this is a two-step process.
RS8	Changed “handline” to “hose line”.	Not all hose lines are handlines.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none"> • Topic 2-5 (RK10) • Topic 5-1 (RK3, RK8) • Topic 5-2 (RK11) • Topic 5-5 (RK1, RK2, RK5, RK13) • Topic 5-6 (RK4, RK6, RK7, RS1, RS2, RS5, RS6, RS8, RS9) • Topic 5-13 (RK6, RK7, RK9, RK12, RK14, RK15, RK16, RS3, RS4, RS7, RS10, RS11) 	3-11a: Attack a Live Interior Structure Fire (2024) 3-11b: Attack a Simulated Interior Structure Fire (2024) 3-11c: Extend a Hose Line (2024) 3-11d: Load, Deploy, and Advance an Attack Line (2024) 3-11e: Load Supply Hose (2024) 3-11f: Operate a Charged Attack Hose Line from a Ground Ladder (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none"> • JPR 24

The training for this standard can be met through the completion of State Fire Training’s Fire Control 3: Structural Fire Fighting (2018) course.

3-12: Performing Horizontal Ventilation on a Structure

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.11

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

1. Transport and operate ventilation tools and equipment and ladders
2. 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: Structure (2024) <ul style="list-style-type: none">• Topic 5-2 (RK3, RK4, RK5, RK6)• Topic 5-14 (RK1, RK2, RS1, RS2, RS3)	3-12: Perform Horizontal Ventilation on a Structure (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 25

3-13: Performing Vertical Ventilation on a Structure

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.12
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
RK1	Added knowledge component.	Needed a basic-level introduction to the topic. Mirrors foundational information in the Horizontal Ventilation JPR.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-1 (RK6)• Topic 5-2 (RK2, RK3)• Topic 5-15 (RK1, RK4, RK5, RK6, RK7, RS1, RS2, RS3, RS4, RS5, RS6, RS7, RS8)	3-13: Perform Vertical Ventilation on a Structure (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 26

3-14: Overhauling a Fire Scene

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.13
2. Office of the State Fire Marshal

Job Performance Requirement

Overhaul a fire scene, given PPE, an attack line, hand tools, a flashlight, a thermal imager, 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
JPR	Added “a thermal imager”.	This is a primary tool of overhaul.
RK1	Added a knowledge component.	Foundational knowledge not included in NFPA.
RS1	Added “for overhaul”.	Adding “for overhaul” dictates hose line selection.
RS6	Added skills component.	This is a skill from NFPA 1010 paragraph 6.3.14. It aligns more closely with the JPR for paragraph 6.3.13.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-17	3-14a: Overhaul a Fire Scene (2024) 3-14b: Remove Charred Materials (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 27

3-15: Conserving Property

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.14

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 catchalls
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 1010 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 1010 paragraph 6.3.14. It was relocated to Topic 3-14: Overhauling a Fire Scene.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">Topic 5-16	3-15a: Control Water Flow from a Sprinkler System (2024) 3-15b: Remove Water from the Interior of a Structure (2024) 3-15c: Salvage a Room and Its Contents (2024) 3-15d: Cover Building Openings (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">JPR 28

3-16: Connecting an Engine to a Water Supply

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.15
2. Office of the State Fire Marshal

Job Performance Requirement

Connect an engine 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-engine 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	Changed “a pumper” to “an engine”.	This is the term that California fire fighters use.
JPR	Added “an apparatus”	Required to complete the JPR but not listed as a given.
JPR	Added “and PPE”.	Not included in NFPA 1010 but required for fire fighter safety.
RK1	Added a knowledge component.	NFPA 1010 assumes that the candidate is using a pressurized hydrant, but there are other types of water supply.
RS4	Changed “hydrant-to-pumper” to “hydrant-to-engine”.	This is the term that California fire fighters use.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-4 (RK1, RK2, RK3, RK4, RK5)• Topic 5-6 (RS1, RS2, RS3, RS4, RS5, RS6)	3-16a: Deploy Portable Tank and Prepare for Drafting Operations (2024) 3-16b: Hose Lay (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 29

3-17: Extinguishing Incipient Class A, Class B, and Class C Fires

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.16

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
3. 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 "and PPE".	Not included in NFPA 1010 but required for fire fighter safety.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-2 (RK1)• Topic 5-3 (RK2, RK3, RS1, RS2, RS3, RS4)	3-17: Select, Carry, and Operate a Portable Fire Extinguisher (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 30

3-18: Operating Emergency Scene Lighting

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.17

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
RK1	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: Structure (2024) <ul style="list-style-type: none">• Topic 4-3	3-18: Light a Scene (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 31

3-19: Turning Off Building Utilities

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.18

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 1010 but required for fire fighter safety.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-7	3-19: Turn Off Building Utilities (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 32

3-20: Combatting a Ground Cover Fire

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.19

Job Performance Requirement

Combat a ground cover fire operating as a member of a team, given personal protective equipment (PPE), self-contained breathing apparatus (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.
JPR	Replaced “SCBA” with “self-contained breathing apparatus (SCBA)”.	Clarity on SCBA.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 7-3	3-9: Combat a Ground Cover, Debris, or Exterior Fire (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 33

3-21: Tying Knots Appropriate for Hoisting Tools

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.20
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

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

Content Modification

Block	Modification	Justification
JPR	Added “webbing”.	Not included in NFPA 1010 but is commonly used for this task.
RK1	Added knowledge component.	Not included in NFPA 1010 but it’s a basic knowledge component required to complete the JPR.
RS1	Added skill component.	Not included in NFPA 1010 but required to complete the JPR.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 4-1	3-20a: Tie Knots (2024) 3-20b: Hoist Tools Aloft (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 34

3-22: 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

1. Describe types of hand and power tools
2. Describe uses of hand and power tools

Requisite Skills

1. Transport hand and power tools
2. Operate hand and power tools
3. 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: Structure (2024) <ul style="list-style-type: none">• Topic 4-2	3-21: Operate Hand and Power Tools (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 35

3-23: Operating an Air-Monitoring Instrument

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.3.21

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

1. Identify the various uses for an air monitor
2. Describe basic operation of an air monitor
3. Describe air monitoring procedures
4. Identify how to recognize high- or low-level alarms of the air monitor
5. 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
RK1	Removed “knowledge of”	This content is already in the knowledge section; we don’t need knowledge of knowledge.
RK3	Split one knowledge component into two.	Clarifying a poorly written knowledge component.
RK4	Split one knowledge component into two.	Clarifying a poorly written knowledge component.
RS3	Added a knowledge component.	NFPA does not cover the step-by-step process.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 4-4	3-22: Operate an Air-Monitoring Instrument (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 36

Section 4: Preparedness and Maintenance

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.5.1
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
RK4	Added knowledge component.	Added to support the JPR.
RS1	Added "to maintain".	Added to clarify the purpose for tool selection.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
<p>Fire Fighter 1A: Structure (2024)</p> <ul style="list-style-type: none"> • Topic 2-5 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to SCBA) • Topic 4-1 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to rope) • Topic 4-2 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to tools) • Topic 5-9 (RK1, RK2, RK3, RK4, RS 1, RS2, RS3, as it pertains to ladders) • Topic 5-16 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to horizontal ventilation equipment) • Topic 5-17 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to vertical ventilation equipment) • Topic 5-18 (RK1, RK2, RK3, RK4, RS1, RS2, RS3, as it pertains to salvage equipment) 	<p>4-1: Clean and Check Equipment (2024)</p>	<p>Fire Fighter 1 and 2 (2024) Certification Task Book</p> <ul style="list-style-type: none"> • JPR 37

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

Authority

1. NFPA 1010: Standard on Professional Qualifications for Firefighters (2024)
 - Paragraph 6.5.2
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
RK1	Added “inspecting a hose according to manufacturer guidelines”.	This strengthens the knowledge component with a standard.
RK2	Added “and maintenance”.	There are steps beyond cleaning required before returning hose to a ready state.
RK3	Added “types of”.	Added for clarification.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1A: Structure (2024) <ul style="list-style-type: none">• Topic 5-5 (RK1, RK2, RK3, RS1, RS2, RS3, RS4)• Topic 5-6 (RS5, RS6)	4-2a: Replace a Burst Section of Hose (2024) 4-2b: Build Hose Rolls (2024) 4-2c: Clean and Maintain Hose and Mark Defective Hose (2024)	Fire Fighter 1 and 2 (2024) Certification Task Book <ul style="list-style-type: none">• JPR 38

Hazardous Materials/WMD

Section 5: Awareness

5-1: Description of Duties (Awareness)

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 5.1.3

Job Performance Requirement

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

Requisite Knowledge

1. Identify the role of awareness level personnel at a hazardous materials/WMD incident
2. Identify the location and contents of the AHJ emergency response plan
3. Describe standard operating procedures for awareness level personnel (if applicable)

Requisite Skills

1. None specified

Content Modification

Block	Modification	Justification
RK3	Added "(if applicable)".	Not every fire service has an SOP.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 2-1	N/A	N/A

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 5.2.1

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 and associated harm are identified.

Requisite Knowledge

1. Describe how to recognize hazardous materials (dangerous goods internationally) and WMD
2. Describe the differences between hazardous materials/WMD incidents and other emergencies
3. Define hazard classes and divisions of hazardous materials/WMD
4. Describe ways in which hazard classes and divisions are harmful to people, the environment, animals, and property
5. Identify general routes of entry for human exposure to hazardous materials/WMD
6. Identify sights, sounds, and odors that might indicate the presence of hazardous materials
7. Identify the limitations of using senses to determine the presence of hazardous materials/WMD
8. Identify indicators to the presence of hazardous materials including container shapes included in the ERG, NFPA 704 markings, globally harmonized system (GHS) markings, placards, labels, pipeline markings, other transportation markings [including UN/NA identification number marks, marine pollutant mark, elevated temperature (HOT) mark, commodity marking, and inhalation mark], shipping papers and emergency response information and the person responsible for the shipping papers in each mode of transportation (air, highway, rail, and water), where shipping papers are found during emergencies and nonemergency situations in each mode of transportation, and other indicators (including military hazardous materials/WMD markings, special hazard communication markings, and special container markings)
9. Describe how to access response information from the *Emergency Response Guidebook* (ERG) (current edition) using the alphabetical index of chemical names, numerical index of identification numbers, table of markings, labels, and placards, or container identification charts
10. List types of hazard information available from the ERG, safety data sheets (SDS), shipping papers and emergency response information, and sources for obtaining the names of hazardous materials/WMD at a facility

Requisite Skills

1. Recognize indicators to the presence of hazardous materials/WMD
2. Identify hazardous materials/WMD by name, UN/NA identification number, marking/label/placard applied, or container shapes identified in the ERG
3. Use the ERG, SDS, manufacturer/shipping/carrier documents (including shipping papers and emergency response information) and other approved reference sources to identify hazardous materials/WMD and their primary hazards

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 2-2	5-2a: Recognize, Identify, and Isolate Hazardous Materials/WMD (2022) 5-2b: Identify Markings (2022)	(CTS 5-2)

5-3: Isolating the Hazard Area and Denying Entry

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 5.3.1
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

1. Describe how to use the ERG, SDS, shipping papers and emergency response information, or other approved reference sources to identify initial isolation and protective action distances, identify initial emergency actions (fire, spill, or leak and first aid), identify initial PPE, and identify recommended protective actions
2. Describe the difference between the isolation distances on the orange-bordered guidebook pages and the protective action distances on the green-bordered ERG pages
3. Describe the difference(s) between small and large spills as found in the Table of Initial Isolation and Protective Action Distances in the ERG or equivalent documents
4. Describe policies and procedures for isolating the hazard area and denying entry
5. Identify the purpose of and methods for isolating the hazard area and denying entry

Requisite Skills

1. Recognize precautions for protecting responders and the public
2. Identifying isolation areas
3. Denying entry
4. Avoiding or minimizing hazards

Content Modification

Block	Modification	Justification
RS4	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: Hazardous Materials/WMD (2022)	5-2a: Recognize, Identify, and Isolate Hazardous Materials/WMD (2022)	(CTS 5-3)

• Topic 2-3		
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5-4: Initiating Required Notifications

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 5.4.1

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

1. **Identify** policies and procedures for notification, reporting, and communications

Requisite Skills

1. Communicate in accordance with policies and procedures

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 2-4	5-4: Initiate Required Notifications (2022)	(CTS 5-4)

Section 6: Operations

6-1: Description of Duties (Operations)

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.1.4

Job Performance Requirement

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

Requisite Knowledge

1. Identify the role of operations level responders at a hazardous materials/WMD incident
2. Identify the location and contents of AHJ emergency response plan and standard operating procedures (if applicable) for operations level responders, including those response operations for hazardous materials/WMD incidents

Requisite Skills

1. None specified

Content Modification

Block	Modification	Justification
RK2	Added "(if applicable)".	Not every fire service has an SOP.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 3-1	N/A	N/A

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.2.1

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 and physical state (form) of release, and surrounding conditions are identified, hazard and response 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

1. Identify types of information to be collected during the hazardous materials/WMD incident survey, including types of containers and the physical state of their likely contents, materials involved, general location and physical state (form) of release, and surrounding conditions in accordance with 6.2.1.4
2. Identify container identification markings, including transportation vehicles and facility storage tanks, pesticide labels, radioactive material labels, piping and pipeline markings and contacting information
3. Identify the availability and location of shipping papers in transportation and of safety data sheets (SDS) at facilities
4. Describe types of hazard and response information available from and how to contact CHEMTREC, CANUTEC, and SETIQ, governmental authorities, and manufacturers, shippers, and carriers (highway, rail, water, air, pipeline)
5. Describe how to communicate with subject matter experts including carrier and manufacturer representatives to reduce impact of a release
6. Identify basic physical and chemical properties, in accordance with 6.2.3(1) and 6.2.3(2)
7. Identify the behavior of a material and its container based on the material's physical and chemical properties and identify hazards associated with that behavior
8. List examples of potential criminal and terrorist targets
9. Identify indicators of possible criminal or terrorist activity for each of the following: chemical agents, biological agents, radiological agents, illicit laboratories and explosives
10. Describe additional hazards associated with terrorist or criminal activities, such as secondary devices and threats
11. Determine the likely harm and outcomes associated with the identified behavior and the surrounding conditions

Requisite Skills

1. Identify container types, materials, location and physical state (form) of release, and surrounding conditions at a hazardous materials/WMD incident
2. Collect hazard and response information
3. Communicate with pipeline operators or carrier representatives
4. Describe the likely behavior of the hazardous materials or WMD and its container
5. Describe the likely outcomes associated with the identified behavior and surrounding conditions

Content Modification

Block	Modification	Justification
RK5	Added “and location”.	The documents should always be available; the real knowledge is in knowing where they are located.
RS2	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: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 3-2	6-2: Identify the Scope of a Hazardous Materials/WMD Incident (2022)	(CTS 6-2)

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.3.1

Job Performance Requirement

Identify the tactics 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 information is collected; strategies, tactics, safety precautions, suitability of approved personal protective equipment (PPE) available, and emergency decontamination needs are identified; and an action plan is developed.

Requisite Knowledge

1. Identify policies and procedures for hazardous materials/WMD incident operations
2. List the basic components of an incident action plan (IAP)
3. Describe modes of operation (offensive, defensive, and nonintervention)
4. Describe types of strategies
5. Describe types of tactics
6. Identify types of response information available from the Emergency Response Guidebook (ERG), safety data sheets (SDS), shipping papers and emergency response information, and other resources
7. Identify types of assistance provided by, procedure for contacting, and information to be provided to CHEMTREC, CANUTEC, and SETIQ, governmental authorities, and manufacturers, shippers, and carriers (highway, rail, water, air, pipeline)
8. Describe safety procedures
9. Describe actions necessary when incident involves potential criminal or terrorist activities
10. Describe risk analysis concepts
11. Identify the purpose, advantages, limitations, and required physical capabilities of personnel working in PPE
12. Identify the uses of approved PPE to determine if PPE is suitable for the incident conditions
13. Explain the difference between the terms included in 10.2.3.1(b)
14. Identify contamination types, including sources and hazards of carcinogens at incident scenes
15. Describe types of decontamination (emergency, mass, and technical)
16. Describe the purpose, advantages, and limitations of emergency decontamination
17. Describe procedures, tools, and equipment for performing emergency decontamination

Requisite Skills

1. Identify strategies and tactics based on the scope of the problem and available resources
2. Identify whether approved PPE is suitable for the incident conditions
3. 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: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 3-2: RK7• Topic 3-4: RK13, RK14, RK15, RK16• Topic 3-5: RK1, RK2, RK3, RK4, RK5, RK6, RK8, RK9, RK10, RK11, RK12, RS1, RS2, RS3	6-3: Identify Action Options for a Hazardous Materials/WMD Incident (2022)	(CTS 6-3)

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.4.1
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 initiated, 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 emergency decontamination is conducted in the field.

Requisite Knowledge

1. Describe scene control procedures, including control zones and the criteria for determining the locations of the control zones
2. Describe protective actions, including evacuation and sheltering-in-place
3. Describe procedures for ensuring coordinated communications between responders and to the public
4. List evidence recognition and preservation procedures
5. Identify hazardous materials/WMD incident command roles and responsibilities within the incident command system (ICS)
6. Identify the purpose, importance, benefits, and organization of incident command at hazardous materials/WMD incidents
7. Describe policies and procedures for implementing incident command at hazardous materials/WMD incidents
8. Describe duties and responsibilities of the Incident Safety Officer
9. Describe items to be considered in a safety briefing per 6.4.1(5)
10. Describe duties and responsibilities of the hazardous materials branch or group
11. Describe the capabilities, limitations, inspection, donning, working in, going through decontamination while wearing, and doffing of approved PPE
12. Describe how to recognize signs and symptoms of thermal stress
13. Identify safety precautions when working at hazardous materials/WMD incidents
14. Describe purpose, advantages, and limitations of emergency decontamination
15. Identify the need for emergency decontamination in the field based on the task(s) performed and contamination received, including sources and hazards of carcinogens at incident scenes
16. Describe emergency decontamination procedures for personnel, tools, equipment, and PPE

17. Describe how to clean, disinfect, and inspect tools, equipment, and PPE

Requisite Skills

1. Establish and maintain scene control
2. Recognize and preserve evidence
3. Inspect, don, work in, go through decontamination while wearing, and doff approved PPE
4. Isolate contaminated tools, equipment, and PPE
5. Conduct emergency decontamination of contaminated personnel, tools, equipment, and PPE in the field
6. Clean, disinfect, and inspect approved tools, equipment, and PPE

Content Modification

Block	Modification	Justification
RK5	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.
RK14	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: Hazardous Materials/WMD (2022) <ul style="list-style-type: none"> • Topic 3-3: RK11, RK17 • Topic 3-4: RK14, RK16 • Topic 3-6: RK1, RK2, RK3, RK4, RK5, RK6, RK7, RK8, RK9, RK10, RK12, RK13, RK15, RS1, RS2, RS3, RS4, RS5, RS6 	6-4: Perform Assigned Tasks at a Hazardous Materials/WMD Incident (2022)	(CTS 6-4)

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.5.1

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

1. Select an emergency decontamination method
2. Set up emergency decontamination in a safe area
3. Use PPE in the proper manner
4. Implement emergency decontamination
5. Prevent spread of contamination
6. Avoid hazards during emergency decontamination

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 3-4	6-5: Perform Emergency Decontamination (2022)	(CTS 6-5)

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 7.6.1

Job Performance Requirement

Evaluate and report the progress of an assigned task for a hazardous materials/WMD incident, given a hazardous materials/WMD incident, an assignment, policies and procedures, status of implemented strategies and tactics, and approved communication tools and equipment, so that the effectiveness of the assigned task is evaluated and communicated to the Incident Commander or designee so that the IAP can be adjusted as needed.

Requisite Knowledge

1. List components of progress reports
2. Describe policies and procedures for evaluating and reporting progress
3. Describe methods for immediate notification of Incident Commander and other response personnel regarding critical emergency conditions at an incident
4. Describe how to use approved communication tools and equipment
5. Identify facts and circumstances indicating improving, static, or deteriorating conditions based on the objectives of the assigned tasks intended to accomplish the incident objectives
6. Describe how to compare actual behavior of the material and the container to the predicted circumstances under which it would be prudent to withdraw from a hazardous materials/WMD incident

Requisite Skills

1. Determine incident status
2. Determining whether the strategies are being accomplished
3. Use approved communications tools and equipment
4. Communicate the status of assigned tasks

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022)	6-8: Evaluate and Report Progress for a Hazardous Materials/WMD Incident (2022)	(CTS 6-6)

• Topic 3-8		
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Section 7: Operations – Mission Specific

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 9.2.1

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; strategies and tactics for the incident; access to a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures (if applicable); 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 (if applicable), 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; PPE is maintained and stored consistent with AHJ policies and procedures and NFPA 1891; and all reports and documentation pertaining to PPE use are completed.

Requisite Knowledge

1. Describe policies and procedures for PPE selection and use
2. Describe the importance of working under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures (if applicable) when selecting and using PPE
3. Identify the purpose, capabilities, and limitations of and specialized donning, doffing, and usage procedures for approved PPE
4. List components of an incident action plan (IAP)
5. Describe procedures for decontamination, inspection, maintenance, and storage of approved PPE
6. Describe the process for being decontaminated while wearing PPE
7. Describe procedures for reporting and documenting the use of PPE

Requisite Skills

1. Select PPE for the assignment
2. Inspect, maintain, store, don, work in, and doff PPE
3. Go through decontamination (emergency and technical) while wearing the PPE
4. Report and document the use of PPE

Content Modification

Block	Modification	Justification
JPR	Added “(if applicable)”.	Not every fire service has an SOP.
RK2	Added “(if applicable)”.	Not every fire service has an SOP.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1B: Hazardous Materials/WMD (2022) <ul style="list-style-type: none">• Topic 3-3: RK1, RK2, RK3, RK5, RK6, RK7, RS1, RS2, RS3, RS4• Topic 3-5: RK4	7-1: Don, Work In, and Doff Chemical Protective Clothing (2022)	(CTS 7-1)

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

Authority

1. NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standard for Responders (2022)
 - Paragraph 9.6.1
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 (if applicable), so that under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures (if applicable), 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

1. Describe types of PPE and the hazards for which they are used
2. Describe the importance of working under the guidance of a hazardous materials technician, an allied professional, an emergency response plan, or standard operating procedures (if applicable)
3. Define control, confinement, containment, and extinguishment
4. Describe policies and procedures for product control
5. Identify product control methods for controlling a release with limited risk of personal exposure
6. Describe safety precautions associated with each product control method
7. Identify the location and 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
8. List characteristics and applicability of approved product control agents
9. Describe how to use approved tools and equipment
10. Identify requirements for reporting and documenting product control operations

Requisite Skills

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

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

Content Modification

Block	Modification	Justification
JPR	Added “(if applicable)”.	Not every fire service has an SOP.
RK2	Added “(if applicable)”.	Not every fire service has an SOP.
RK4	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: Hazardous Materials/WMD (2022) <ul style="list-style-type: none"> • Topic 3-3: RK1 • Topic 3-7: RK2, RK3, RK4, RK5, RK6, RK7, RK8, RK9, RK10, RS1, RS2, RS3, RS4, RS5 	7-2: Perform Product Control (2022)	(CTS 7-2)

Wildland Fire Fighter 1

Section 8: Wildland Fire Fighter Duties

8-1: Role of the Wildland Fire Fighter

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.2.1, 4.2.2
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 fireline safety and use and limitations of personal protective equipment
2. Describe the use, limitations, inspection, and care of a fire shelter
3. Describe AHJ policy on fire shelter use
4. Describe basic wildland fire behavior
5. Identify fire suppression techniques
6. Identify basic wildland fire tactics
7. Describe the fire fighter's role within the AHJ incident management system
8. Describe AHJ required first aid
9. Describe how to use NFES 1077, Incident Response Pocket Guide (IRPG)

Requisite Skills

1. Use basic verbal communication
2. Use required personal protective equipment
3. Deploy a fire shelter

Content Modification

Block	Modification	Justification
RK2	Added knowledge component.	Added to call attention to a unique element of PPE that isn't physically worn.
RS1	Added "use".	NFPA did not provide a verb.
RS3	Added skills component.	Not covered by NFPA 1051 but critical for wildland fire fighter survival.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C: Wildland (2022) <ul style="list-style-type: none">• Topic 1-3: RK4, RK5, RK6, RK7, RK8, RK9• Topic 2-1: RK4• Topic 2-3: RS1• Topic 2-4: RK1, RS2• Topic 2-5: RK2, RK3, RS3• Topic 3-2: RK5, RK6• Topic 3-4: RK4	N/A	N/A

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

1. 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: Wildland (2022) <ul style="list-style-type: none">• Topic 2-4	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

1. Describe the protection provided by and limitations of fire shelters
2. Describe how to inspect and evaluate a fire shelter
3. Describe how to select and prepare a shelter deployment site
4. Identify items to take into and leave outside a fire shelter
5. Describe methods for deploying a fire shelter
6. Identify when to deploy and exit a fire shelter during an incident

Requisite Skills

1. 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: Wildland (2022) <ul style="list-style-type: none">• Topic 2-5	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

1. Identify when it is safe to doff PPE
2. 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: Wildland (2022) <ul style="list-style-type: none">• Topic 2-4	8-4: Doff Wildland Personal Protective Equipment	(CTS 8-4)

Section 9: Preparedness

9-1: Maintaining Assigned Personal Protective Equipment

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.4.2

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

1. None specified

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C: Wildland (2022) <ul style="list-style-type: none">• Topic 2-4	9-1: Maintain Assigned Personal Protective Equipment	(CTS 9-1)

9-2: Maintaining Assigned Suppression Hand Tools and Equipment

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.4.3

Job Performance Requirement

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

Requisite Knowledge

1. Describe how to inspect tools and assigned suppression equipment
2. Describe how to recognize unserviceable items
3. Describe required maintenance techniques

Requisite Skills

1. Sharpen assigned suppression equipment
2. Maintenance techniques for assigned suppression equipment
3. Use required maintenance equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C: Wildland (2022) <ul style="list-style-type: none">• Topic 2-6	9-2: Maintain Hand Tools and Equipment	(CTS 9-2)

9-3: Maintaining Personal Gear Kit

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.4.4

Job Performance Requirement

Maintain personal gear kit, given a deployment and AHJ policies, so that mobilization response readiness meets AHJ requirements.

Requisite Knowledge

1. Describe contents of a personal gear kit
2. Identify type and duration of the incident
3. Describe AHJ requirements

Requisite Skills

1. None specified

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C: Wildland (2022) <ul style="list-style-type: none">• Topic 2-7	N/A	N/A

Section 10: Suppression

10-1: Assembling and Preparing for Response

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.2
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 AHJ guidelines.

Requisite Knowledge

1. Identify equipment required for response
2. Describe AHJ time standards and special transportation considerations
3. Describe AHJ safety response guidelines
4. Describe operational procedures for various response modes

Requisite Skills

1. None specified

Content Modification

Block	Modification	Justification
RK1	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.
RK2	Removed “(weight considerations)”.	Weight is not the only special transportation consideration.
RK3	Added “response guidelines”.	Narrowing the scope of “agency safety” to pertain to the JPR.
RK4	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: Wildland (2022)	10-1: Assemble and Prepare for Response	(CTS 10-1)

• Topic 3-1		
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10-2: Recognizing Hazards and Unsafe Situations

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.3
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 AHJ, 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

1. 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.
RK2	Added “basic wildland”.	Added to narrow the scope of “fire behavior”.
RK3	Added “basic wildland”.	Added to narrow the scope of “suppression methods”.
RK4	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK5	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK6	Added knowledge component.	Added to align with NWCG S-130 fire fighter training.
RK7	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.

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RK8	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.
RK9	Added knowledge component.	NFPA does include human factors.
RS1	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: Wildland (2022) <ul style="list-style-type: none">• Topic 2-1: RK2• Topic 2-2: RK1, RK4, RK5, RK6, RK7, RK8, RS1• Topic 2-3: RK9• Topic 3-2: RK3	10-2a: Use Incident Response Pocket Guide 10-2b: Assume Safety Position for Retardant Drop	(CTS 10-2)

10-3: Constructing a Fireline

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.4
2. Office of the State Fire Marshal

Job Performance Requirement

Construct a fireline, given a wildland fire or simulated scenario, AHJ 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 properly
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.
RK1	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK2	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK3	Changed the word order.	Revised to simplify and clarify language.
RK4	Added knowledge component.	Not covered by NFPA 1051 but it is an IRPG industry standard.
RK5	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.

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RK6	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK7	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK8	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RK9	Added knowledge component.	Statewide operational activities require more detail than provided by NFPA.
RS1, RS2, RS3	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: Wildland (2022) • Topic 3-2	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 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.5
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 located and 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 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.
RK3	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: Wildland (2022) <ul style="list-style-type: none">• Topic 3-3	10-4a: Ignite and Extinguish Road Flares and Fuses 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 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.6
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. Use methods to protect improvements

Content Modification

Block	Modification	Justification
JPR	Added “or simulated scenario”.	Allows option to complete testing outside of a live wildland fire.
RK1	Added “within the wildland/urban interface”.	Expanding wildland fire behavior (covered in CTS 10-2) to include wildland/urban interface.
RK2	Added “for structure defense preparation”.	Added to clarify the purpose and location of removal.
RK3	Replaced “protection” with “defense”.	“Defend” is California terminology.
RK4	Added “within the wildland/urban interface”.	Expanding wildland fire behavior (covered in CTS 10-2) to include wildland/urban interface.
RK5	Added knowledge component.	NFPA does not adequately address safety.

Cross Reference

Course Plan	Skill Sheet(s)	Task Book
Fire Fighter 1C: Wildland (2022) <ul style="list-style-type: none">• Topic 3-4	10-5: Prep and Defend a Structure	(CTS 10-5)

10-6: Mopping Up a Fire Area

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.7
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: Wildland (2022) <ul style="list-style-type: none">• Topic 3-5	10-6: Perform Mop Up Operations	(CTS 10-6)

10-7: Patrolling the Fire Area

Authority

1. NFPA 1140: Standard for Wildland Fire Protection (2022)
 - Paragraph 4.6.8
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 containment of the fire area is maintained.

Requisite Knowledge

1. Describe patrol principles, techniques, and standards

Requisite Skills

1. Observe, identify, and take action on potential threats when patrolling fire areas

Content Modification

Block	Modification	Justification
JPR	Added “or simulated scenario”.	Allows option to complete testing outside of a live wildland fire.
RS1	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: Wildland (2022) <ul style="list-style-type: none">• Topic 3-6	10-7: Patrol the Fire Area	(CTS 10-7)

Revisions

This page documents changes made to the CTS guide since its previous edition's publication.

August 2020

The August 2020 changes reflect updates based on the 2020 edition of NFPA 1051 Standard for Wildland Firefighting Personnel Professional Qualifications. The staff review determined the following minor changes.

NFPA:

- All instances
 - Replaced the word “agency” with “AHJ”
- Paragraph 4.1.1
 - Added “AHJ required” to “first aid” in requisite knowledge
 - Removed “and NFES 2943, Wildland Fire Incident Management Field Guide” in requisite knowledge
- Paragraph 4.3.4
 - Added a new job performance requirement
- Paragraph 4.5.4
 - Replaced “correctly” with “properly” in requisite skills
- Paragraph 4.5.8
 - Replaced the word “control” with “containment” in JPR
 - Replaced “Apply requisite knowledge” with “Observe, identify, and take action on potential threats” in requisite skills

Impact

- Made all editorial changes
- Added the new JPR to the CTS guide as standard 9-3: Maintaining a Personal Gear Kit
- Added the new JPR to the Fire Fighter 1C: Wildland Fire Fighter course plan as Topic 2-7: Maintaining Personal Gear Kit
 - Most of the Topic 2-7 material was already covered in Topic 3-1: Assembling and Preparing for Response.
 - Moved the Application activity from 3-1 to 2-7
 - Adjusted time between 3-1 and 2-7
 - No addition to the certification task book and no skill sheet
 - No changes to time or cost for course delivery and/or testing

Documents Changed

- Fire Fighter 1 Certification Training Standards Guide (2019)
- Fire Fighter 1C: Wildland Fire Fighter Course Plan

- All Wildland skill sheets (9-1 through 9-2 and 10-1 through 10-7) to reflect NFPA edition number and editorial changes

August 2020

The December 2020 change added *Wildland Fire Fighter: Principles and Practice* (Jones and Bartlett Learning, 2nd edition, ISBN: 978-1-284-04211-5) textbook as an alternate option to *Wildland Fire Fighter: Principles and Practice* (Fire Protection Publications, Oklahoma State University, 4th edition, ISBN: 978-087939676-3) for Fire Fighter 1C: Wildland.

May 2022

Documents Changed

- Fire Fighter 1A: Skill Sheet 3-15 Hose Lay.

February 2023

The February 2023 changes reflect updates to align with the following standards:

- NFPA 470: Hazardous Materials/Weapons of Mass Destruction (WMD) Standards for Responders (2022)
- NFPA 1140: Standard for Wildland Fire Protection (2022)

Neither NFPA standard added or removed job performance requirements. All changes were linguistic.

Fire Fighter 1 Certification Training Standards Guide (2019)

- Replaced all references to NFPA 1072 with NFPA 470
- Replaced all references to NFPA 1051 with NFPA 1140
- Updated language in the following standards:
 - 5-1: Description of Duties (Awareness)
 - 5-2: Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards
 - 5-3: Isolating the Hazard Area and Denying Entry
 - 5-4: Initiating Required Notifications
 - 6-2: Identifying the Scope of a Hazardous Materials/WMD Incident
 - 6-3: Identifying Tactics for a Hazardous Materials/WMD Incidents
 - 6-4: Performing Assigned Tasks at a Hazardous Materials/WMD Incident
 - 6-6: Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident
 - 7-1: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident
 - 7-2: Performing Product Control Techniques at a Hazardous Materials/WMD Incident
 - 8-1: Role of the Wildland Fire Fighter

- 10-2: Recognizing Hazards and Unsafe Situations
- 10-4: Securing the Fireline

Fire Fighter 1B: Hazardous Materials/WMD (2017) course plan

- Cover – Course title updated to: Fire Fighter 1B: Hazardous Materials/WMD (2022) to reflect new NFPA edition
- Footer – Updated to: Revised April 2023
- Topic 2-1: Description of Duties (Awareness)
 - Added “level”
- Topic 2-2: Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards
 - Added five ELOs
 - Updated seven ELOs
- Topic 2-3: Isolating the Hazard Area and Denying Entry
 - Added two ELOs
 - Updated one ELO
- Topic 2-4: Initiating Required Notifications
 - Removed three ELOs
 - Removed one Instructor Note
- Topic 3-2: Identifying the Scope of a Hazardous Materials/WMD Incident
 - Minor update to JPR
 - Added two ELOs
 - Updated six ELOs
 - Removed two ELOs
- Topic 3-3: Selecting, Donning, Working In, and Doffing Approved PPE at a Hazardous Materials/WMD Incident
 - Minor update to JPR
 - Updated one ELO
- Topic 3-4: Performing Emergency Decontamination at a Hazardous Materials/WMD Incident
 - Added one ELO
 - Updated one ELO
- Topic 3-5: Identifying Tactics for a Hazardous Materials/WMD Incident
 - Updated title
 - Minor update to JPR
 - Added one ELO
 - Updated five ELOs
- Topic 3-6: Performing Assigned Tasks at a Hazardous Materials/WMD Incident
 - Minor update to JPR
 - Added three ELOs
 - Updated four ELOs
- Topic 3-7: Performing Product Control Techniques at a Hazardous Materials/WMD Incident

- Updated one ELO
- Topic 3-8: Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident
 - Minor update to JPR
 - Added one ELO
 - Updated three ELOs
- Fire Fighter 1C: Wildland (2020) course plan
 - Cover – Course title updated to: Fire Fighter 1C: Wildland (2022) to reflect new NFPA edition
 - Footer – Updated to: Revised April 2023
 - Instructor Resources – NFPA title and number updated to: NFPA 1140: Standard for Wildland Fire Protection (current edition)
- Fire Fighter 1 and 2 (2019) Training Record
 - Updated the title of Skill Sheet 6-3 in the Fire Fighter 1B: Hazardous Materials/WMD segment of the Training Record
 - There is no impact the Fire Fighter 1C: Wildland segment of the Training Record
- Fire Fighter 1B: HazMat Skill Sheets
 - Update NFPA title number and paragraph number on all skill sheets
 - Skill Sheet 6-3 – Minor language update
 - Skill Sheet 6-4 – Minor language update
 - Skill Sheet 6-6 – Minor language update
 - Skill Sheet 7-2 – Minor language update
- Fire Fighter 1C: Wildland Skill Sheets
 - Update NFPA title number and paragraph number on all skill sheets
- Fire Fighter Certification Task Book (2019)
 - Replaced all references to NFPA 1072 with NFPA 470
 - Replaced all references to NFPA 1051 with NFPA 1140
 - Fire Fighter 1: Hazardous Materials/WMD section
 - Updated all NFPA paragraph numbers
 - JPR 1 – Minor language update
 - JPR 4 – Minor language update
 - JPR 5 – Minor language update
 - JPR 6 – Minor language update
 - JPR 8 – Minor language update
 - JPR 9 – Minor language update
 - Fire Fighter 1: Wildland sections
 - Updated all NFPA paragraph numbers
 - JPR 10 - Minor language update