

Marine Fire Fighting for Land-Based Fire Fighters

(NFPA 1005: Marine Fire Fighting for Land-Based Fire Fighters)

Certification Training Standards Guide (2019)



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

Marine Fire Fighting for Land-Based Fire Fighters

Certification Training Standards Guide (2019)

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This CTS guide utilizes the following NFPA standards to provide the qualifications for State Fire Training's Marine Fire Fighting for Land-Based Fire Fighters certification:

- NFPA 1005: Professional Qualifications Standard for Marine Fire Fighting for Land-Based Fire Fighters (2019)

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

Cover photo courtesy of Steven Lozano, Deputy Fire Chief, San Diego Fire-Rescue Department.

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How to Read a CTS Guide

Overview

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

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

Individuals aspiring to meet State Fire Training's certification training standards must do so in accordance with the codes, standards, regulations, policies, and standard operating procedures applicable within their own agency or jurisdiction.

Format

Each certification training standard is comprised of eight sections.

Section Heading

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

Training Standard Title

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

Authority

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

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

Job Performance Requirements

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

Requisite Knowledge

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

Marine Fire Fighting for Land-Based Fire Fighters

Section 1: General Requirements

1-1: Identifying Marine Vessel Types and Potential Products Transported

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.1.1

Job Performance Requirement

Identify marine vessel types and potential products transported, given general information on the vessel types in the local response jurisdiction, awareness level information on products transported by marine vessels, AHJ policies and procedures, and overall scene safety considerations at marine incidents, so that the scene of the incident and the hazards are recognized.

Requisite Knowledge

1. Identify generalized marine vessel types
2. Identify awareness level hazardous product information
3. Identify general hazard classes of product and structural fire-fighting PPE compatibilities
4. Identify policies and procedures associated with marine incident response

Requisite Skills

1. Reading comprehension
2. Oral communication

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-2 (RK4)• Topic 2-3 (RK1, RK2, RK3)	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 1	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 5

1-2: Defining Common Marine Vessel Construction and Terminology

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.1.2

Job Performance Requirement

Define common marine vessel construction and terminology, given vessel construction terminology, marine vessel terminology and general structural hazards associated with marine vessels, so that Land-Based Fire Fighters have a working knowledge of general terms when communicating with marine vessel personnel.

Requisite Knowledge

1. Describe general knowledge of marine vessel construction
2. Describe marine vessel terminology
3. Describe structural hazards with marine vessels

Requisite Skills

1. Reading comprehension
2. Oral communication

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-4	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 2	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 6

1-3: Boarding a Marine Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.1.3

Job Performance Requirement

Board a marine vessel, given a vessel, gangway, approved PPE, water survival techniques, approved hand tools and suppression equipment, and AHJ policies and procedures, so that the Land-Based Fire Fighters are transferred to the vessel in a safe manner.

Requisite Knowledge

1. Describe effect of vessel movement due to tide, wakes, currents, or other factors
2. Describe effect of water depth
3. Describe water survival techniques
4. Describe uses and hazards associated with gangways

Requisite Skills

1. Don approved PPE
2. Carry tools and equipment in a proper and safe manner
3. Climb techniques for gangways

Content Modification

Block	Modification	Justification
RK4	Changed “how to draft for” to “uses and hazards associated with”.	“Draft” has multiple meanings in the marine environment and creates confusion. Cadre believes intent of RK4 is to address how gangway uses and hazards impact boarding.

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 2-5 (RK4) • Topic 3-4 (RK1, RK2, RK3, RS1, RS2, RS3) 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 3 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 15

1-4: Retrieving a Vessel Fire Control Plan and Other Specified Documents

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.1.4

Job Performance Requirement

Retrieve a vessel fire control plan and other specified documents from a cold zone on the vessel, given a vessel, an assignment, a vessel fire control plan and other documents, and any necessary equipment, so that the vessel fire control plan and documents are located and brought to the Incident Commander within the time specified by the AHJ.

Requisite Knowledge

1. Describe location(s) on the vessel where the vessel fire control plan and other documents, such as dangerous cargo manifests, trim and stability documents, cargo-loading manuals where applicable, and crew and passenger lists are stored
2. Describe vessel compartmentalization and associated marking
3. Describe primary and alternative routes to reach the location(s) where the vessel fire control plan and other documents are stored
4. Describe response personnel utilization of the vessel fire control plan
5. Identify location of the command post

Requisite Skills

1. Boarding and negotiating or traveling through the vessel
2. Recognition of the vessel fire control plan and other types of documents

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 2-4 (RK2) • Topic 2-7 (RK1, RK5, RS2) • Topic 2-8 (RK4) • Topic 3-2 (RK3, RS1) 	Marine Fire Fighting for Land-Based Fire Fighters JPR 4	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 9

Section 2: Access

2-1: Identifying a Specified Location on a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.2.1

Job Performance Requirement

Identify a specified location on a vessel, given a vessel fire control plan and an assignment, so that the assignment is completed and reported.

Requisite Knowledge

1. Identify vessel construction, including maritime terminology (e.g., bow, stern, port, starboard)
2. Describe unique hazards associated with various locations in a vessel
3. Describe terminology and symbols used on a vessel fire control plan

Requisite Skills

1. Negotiating vessel ladders, decks, and corridors
2. Operating vessel doors and hatches

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 2-4 (RK1) • Topic 2-5 (RK2) • Topic 2-8 (RK3, RS1, RS2) 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 5 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 10

2-2: Identifying Onboard Vessel Fixed Fire Suppression Systems

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.2.2

Job Performance Requirement

Identify onboard vessel fixed fire suppression systems as a member of a team, given an incident, an assignment, standard operating procedures, and communications equipment, so that the system is activated or shut down when information is requested by the Incident Commander.

Requisite Knowledge

1. Identify types of fixed suppression systems found on vessels
2. Describe appropriate times to activate fixed suppression systems on vessels
3. Describe hazards associated with operating fixed suppression systems and agents

Requisite Skills

1. Recognizing fire suppression system controls
2. Operating communications equipment located at the fire suppression system control room
3. Understanding vital precautions to be taken as a fire team member after fire suppression systems have been activated

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-6	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 6	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 8

Section 3: Response

3-1: Establishing Connections for the Water Supply at an Incident

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.3.1

Job Performance Requirement

Establish connections for the water supply at an incident, given international shore connections, so that an uninterrupted supply of water is established and all hoses are connected and positioned according to procedures and in coordination with the ship's crew.

Requisite Knowledge

1. Identify an international shore connection

Requisite Skills

1. Ability to recognize and use an international shore connection

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-7	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 7	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 18

3-2: Protecting an Exposure on a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.3.2

Job Performance Requirement

Protect an exposure on a vessel as a member of a team, given an assignment, an exposure, a water supply source, approved PPE, fire hose, nozzles, and equipment, so that the exposure is protected.

Requisite Knowledge

1. Identify potential exposures in incident environment
2. Identify vessel construction
3. Describe fire behavior aboard vessel

Requisite Skills

1. Participating as part of a team to protect exposures
2. Operating handlines
3. Operation master streams

Content Modification

Block	Modification	Justification
RK1	Added “potential exposures in incident”.	Added to clarify meaning of “environment”.

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-4 (RK2)• Topic 3-10 (RK1, RS1, RS2, RS3)	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 8	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 21

3-3: Accessing a Fire Compartment

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.3.3

Job Performance Requirement

Access a fire compartment as a member of a team, given a vessel, an incident, and an assignment, so that vessel integrity is maintained, doors and hatches are opened, tools are used, barriers are removed, and the opening is made ready for entry.

Requisite Knowledge

1. Describe construction and normal operation of vessel doors and hatches
2. Describe safety procedures for securing vessel doors and hatches to prevent them from closing behind fire fighters
3. Describe desired entry methods for various tactical operations, including ventilation, observation, dewatering, and agent application

Requisite Skills

1. Identifying and operating vessel doors and hatches

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-8 (RS1)• Topic 3-11 (RK1, RK2, RK3)	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 9	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 22

3-4: Collecting and Reporting Vessel Stability Information

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.3.4

Job Performance Requirement

Collect and report vessel stability information, given a vessel, an incident, an assignment, measuring devices, and standard operating procedures, so that any current or potential hazards to stability are recognized and reported according to procedures.

Requisite Knowledge

1. Describe effect of tide, wakes/waves, currents, fire-fighting operations, vessel stability
2. Describe procedures for reporting the information
3. Describe vessel draft marking systems

Requisite Skills

1. Visualizing the position of a vessel
2. Using internal and external measuring devices or procedures

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-9	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 10	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 11

Section 4: Communications

4-1: Transmitting and Receiving Messages via Communications Equipment

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.4.1

Job Performance Requirement

Transmit and receive messages via marine facility and vessel communications equipment, given marine facility and vessel communications equipment and standard operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.

Requisite Knowledge

1. Identify marine communications terminology and procedures
2. Identify proper marine radio frequencies to be used
3. Describe types and capabilities of vessel communications systems
4. Describe methods for overcoming language barriers

Requisite Skills

1. Operate marine facility and vessel communication systems
2. Operate marine radios

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-5	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 11	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 16

4-2: Locating a Marine Facility or Vessel Representative

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.4.2

Job Performance Requirement

Locate a marine facility or vessel representative, given a marine facility or vessel and an assignment, so that a line of communication is established between the fire department and the facility or vessel representatives.

Requisite Knowledge

1. Identify locations on a vessel where the ship’s master, mate, engineer, or ship’s agent can be located
2. Identify marine frequencies monitored by the vessel master
3. Identify locations where facility representatives are normally located
4. Identify methods for contacting representatives after normal working hours

Requisite Skills

1. Operate marine facility and vessel communications equipment
2. Board a vessel
3. Negotiate or travel through the facility or vessel

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 3-2 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 12 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 13

4-3: Transmitting and Receiving Messages to Vessel Personnel and Responding Agencies

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.4.3

Job Performance Requirement

Transmit and receive messages to vessel personnel and other agencies responding to an incident, given an incident, a list of the other agencies responding to the incident, communications equipment, and standard operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.

Requisite Knowledge

1. Identify marine communications terminology and procedures
2. Identify proper marine radio frequencies to be used
3. Identify land-based frequencies used in mutual aid situations
4. Identify other agencies that respond to marine incidents

Requisite Skills

1. Operate vessel and mobile communication systems, marine radios, and fire department communications equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 3-5 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 13 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 16

4-4: Controlling Access to a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.4.4

Job Performance Requirement

Control access to a vessel, given a vessel, an incident, an accountability system, an incident management system, and response personnel, so that all emergency responders boarding the vessel are noted and accounted for.

Requisite Knowledge

1. Describe the accountability systems used by the AHJ
2. Identify personnel who are authorized to operate a marine incident

Requisite Skills

1. Use accountability tactical worksheets

Content Modification

Block	Modification	Justification
RK2	Removed “knowledge of”.	Adjusted for verb use consistency and grammar.

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-3	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 14	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 14

4-5: Evacuating a Vessel or Exposure

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.4.5

Job Performance Requirement

Evacuate a vessel or exposure, given an occupied vessel or exposure, an incident, an accountability system, an incident management system, and response personnel, so that all personnel are removed from the hazard area to an area of refuge.

Requisite Knowledge

1. Describe vessel evaluation and accountability procedures used by the AHJ

Requisite Skills

1. Control, direct, and move passengers and crew

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-6	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 15	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 17

Section 5: Fire Control

5-1: Ventilating Smoke from a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.1

Job Performance Requirement

Ventilate smoke from a vessel as a member of a team, given a vessel, an incident, an assignment, approved PPE, ventilation equipment, and standard operating procedures, so that equipment is positioned for ventilation, vessel integrity is maintained, a specified ventilation opening is created and left unobstructed, and ventilation barriers are removed.

Requisite Knowledge

1. Describe construction principles of a vessel that affect ventilation operations
2. Describe principles, advantages, limitations, and effects of horizontal, vertical, natural, and forced ventilation
3. Describe safety considerations when venting a vessel
4. Describe signs, causes, effects, and prevention of backdrafts
5. Describe methods of heat transfer and principles of thermal layering on vessels
6. Describe effects of vessel construction on fire behavior and heat transfer

Requisite Skills

1. Transport, deploy, and operate ventilation equipment on a vessel

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 2-5 (RS6)• Topic 3-8 (RS5)• Topic 3-14 (RK1, RK2, RK3, RK4, RS1)	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 16	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 25

5-2: Monitoring Fire Conditions on a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.2

Job Performance Requirement

Monitor fire conditions on a vessel as a member of a team, given a vessel, an assignment, an incident, approved PPE, a hose or safety line, a thermal imaging camera, and communications equipment so that vessel integrity is maintained and changes to fire conditions are reported to the Incident Commander.

Requisite Knowledge

1. Describe fire behavior on vessels
2. Describe procedures for operating a thermal imaging camera
3. Describe safety procedures for operating in or near fire compartments on vessels

Requisite Skills

1. Negotiate vessel ladders, stairs, corridors, and decks
2. Operate in high heat and vision-obscured areas utilizing a thermal imaging camera

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-8	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 17	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 19

5-3: Removing Water from a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.3

Job Performance Requirement

Remove water from a vessel as a member of a team, given a vessel containing water, an assignment, dewatering equipment, and approved PPE, so that hazards are identified, water is removed, and vessel stability is maintained.

Requisite Knowledge

1. Describe safety precautions to be taken when working in water
2. Describe hazards associated with water collecting in various areas of a vessel
3. Describe hazards associated with water removal in a vessel

Requisite Skills

1. Deploying and operating dewatering equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-15	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 18	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 26

5-4: Attacking a Fire on a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.4

Job Performance Requirement

Attack a fire on a vessel as a member of a team, given a vessel, an incident, an assignment, an attack line a secondary line, approved PPE, and tools and equipment, so that vessel integrity is maintained, attack line is deployed, access is gained to the fire compartment, effective water application practices are used, and fire is extinguished and overhauled.

Requisite Knowledge

1. Describe precautions to be followed when advancing hose line to a fire on a vessel
2. Describe principles of exposure protection
3. Identify types of fuels found on a vessel
4. Identify types and application of attack lines used on vessels
5. Describe effective application of fire streams

Requisite Skills

1. Advance charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks
2. Operate fire streams
3. Advance multiple hose lines for fire attack

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • Topic 3-10 (RK2) • Topic 3-12 (RK1, RK3, RK4, RK5, RS1, RS2, RS3) 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 19 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 23

5-5: Conducting Search and Rescue Operations on a Vessel

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.5

Job Performance Requirement

Conduct a search and rescue operation for a missing person on a vessel as a member of a team, given a vessel, an incident, an assignment, a vessel fire control plan or other documents, a person, approved PPE, forcible entry tools, and other equipment, so that areas where the person could be located are searched, the person is located and removed, and vessel integrity is maintained.

Requisite Knowledge

1. Identify psychological effects of operating in vision-obscured conditions
2. Describe methods to determine if the area is tenable
3. Describe primary and secondary search techniques
4. Describe victim removal methods
5. Identify likely locations of passengers, crew members, shipyard workers, and contractors
6. Describe location and use of emergency escape and across decks
7. Describe removing victims

Requisite Skills

1. Use forcible entry tools
2. Use self-contained breathing apparatus (SCBA)
3. Access remote or enclosed compartments
4. Advance charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks
5. Remove victims

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighter <ul style="list-style-type: none"> • Topic 3-13 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 20 	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none"> • JPR 24

5-6: Assisting in Deploying Extinguishing Agents

Authority

1. NFPA 1005: Standard for Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters (2019)
 - Paragraph 4.5.6

Job Performance Requirement

Assist in deploying extinguishing agents other than water, given a vessel, an incident, an assignment, approved PPE, select extinguishing agents, and agent application equipment, so that the need is identified and communicated to the Incident Commander and agent is applied.

Requisite Knowledge

1. Identify appropriate extinguishing agents
2. Describe effects of various extinguishing agents
3. Describe hazards associated with various extinguishing agents, including onboard systems
4. Identify sources of bulk extinguishing agents

Requisite Skills

1. Read cargo manifests and technical information on extinguishing agents
2. Deploy and operate extinguishing equipment and agents

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Certification Task Book	Instructor Task Book
Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• Topic 3-9	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 21	Marine Fire Fighting for Land-Based Fire Fighters <ul style="list-style-type: none">• JPR 20