

State of Oregon
Oregon Department of Public Safety Standards and Training

**NFPA Marine Fire Fighting for
Land-Based Fire Fighter
Task Book**

Task Book Assigned To:	
Name	DPSST Fire Service #
Department Name	Date Initiated
Signature of Department Head or Training Officer	Date Completed

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Additional copies of this document may be downloaded from the DPSST web site:
<http://www.oregon.gov/DPSST/index.shtml>

Revised 2020

Task Book Qualification Record Books (Task Book) have been developed for various certification levels within the Oregon Department of Public Safety Standards and Training (DPSST) system. Each Task Book lists the job performance requirements (JPRs) for the specific certification level in a format that allows a candidate to be trained and evaluated during three (3) sequential sessions. Successful performance of all tasks, as observed and recorded by a qualified and approved evaluator will result in the candidate’s eligibility for DPSST certification.

To become certified at a specific level, the applicant must successfully complete the job performance requirements in sequence. Before a job performance evaluation can be taken, all requisite knowledge and skills must be satisfied. In addition, all relative task book evaluations must be checked off by the evaluator. When all prescribed requirements have been met, an application for Certification may be forwarded to DPSST. All certificates are mailed to the Training Officer at his/her Fire Service Agency.

TASK BOOK SPECIFICATIONS:

To successfully complete a task book, only an evaluator certified as an NFPA Marine Fire Fighting for Land-Based Fire Fighter may sign off on the JPR’s. ‘Requisite Knowledge’ sections may be completed during class and signed by the instructor. ‘Requisite Skills’ sections must be conducted and signed at the candidate’s fire agency.

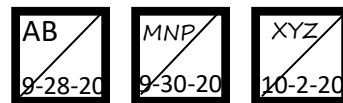
NFPA TASK BOOK INFORMATION:

The JPRs covered in this Task Book meet or exceed all NFPA published standards for this certification level at the time of this publication. Mention of NFPA and its standards do not, and are not intended as adoption of—or reference to—NFPA standards. For more information on the complete job performance requirements and data, see the individual DPSST Task Book for that certification level.

HOW TO EVALUATE PERFORMANCE:

Each JPR has one corresponding box to the right in which to confirm a candidate’s success. The evaluator shall indicate successful passing by the candidate of each JPR by initialing and dating (see example).

4.1.1 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.



TASK BOOK QUALIFICATION RECORD
FOR THE CERTIFICATION LEVEL OF
NFPA MARINE FIRE FIGHTING
FOR LAND-BASED FIRE FIGHTER

Prior to becoming certified in this position, the NFPA Marine Land-Based Fire Fighter candidate must be certified as an NFPA Fire Fighter II and successfully complete the following Job Performance Requirements (JPR) three times. The evaluator must initial and date the appropriate boxes to indicate successful completion of each. For each JPR there are requisite knowledge and skill requirements. The evaluator of the first sequence must initial and date in the box provided to indicate the meeting of those requirements before the NFPA Marine Land-Based Fire Fighter can proceed. **Asterisks (*) indicate additional information is available in the Appendix of the Evaluation Guide.**

4.1 General Requirements. To meet the requirements for Marine Fire Fighter, the Fire Fighter II shall meet the JPRs in Sections 4.1 through 4.5 of this standard and the requirements defined in Chapter 5 of NFPA 1001 or Chapters 5 and 6 of NFPA 1081.

4.1.1 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.

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(A) Requisite Knowledge. Generalized marine vessel types; awareness level hazardous product information; general hazard classes of product and structural fire-fighting PPE compatibilities; policies and procedures associated with marine incident response.

<input type="checkbox"/>

(B) Requisite Skills. Reading comprehension and oral communication skills.

<input type="checkbox"/>

4.1.2 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.

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(A) Requisite Knowledge. General knowledge of marine vessel construction, marine vessel terminology, structural hazards with marine vessels.

(B) Requisite Skills. Reading comprehension and oral communication skills.

4.1.3 * 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 Land-Based Fire Fighters are transferred to the vessel in a safe manner.

(A) Requisite Knowledge. Effect of vessel movement due to tide, wakes, currents, or other factors; effect of water depth; water survival techniques; and draft for gangways.

(B) Requisite Skills. Donning approved PPE; carrying tools and equipment in a proper and safe manner, climbing techniques for gangways.

4.1.4 * 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.

(A) Requisite Knowledge. 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; vessel compartmentalization and associated marking; primary and alternative routes to reach the location(s) where the vessel fire control plan and other documents are stored; understanding of response personnel utilization of the vessel fire control plan; location of the command post.

(B) Requisite Skills. Boarding and negotiating or traveling through the vessel; recognition of the vessel fire control plan and other types of documents.

4.2 Access. This duty involves making safe access to the vessel and safe egress from the vessel.

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

(A) Requisite Knowledge. Vessel construction, including maritime terminology (e.g., bow, stern, port, starboard); unique hazards associated with various location in a vessel; terminology and symbols used on a vessel fire control plan.

(B) Requisite Skills. Negotiating vessel ladders, decks, and corridors; operating vessel doors and hatches.

4.2.2 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.

(A) Requisite Knowledge. Types of fixed suppression systems found on vessels; appropriate times to activate fixed suppression systems on vessels; hazards associated with operating fixed suppression systems and agents.

(B) Requisite Skills. Recognizing fire suppression system controls; operating communications equipment located at the fire suppression system control room; understanding vital precautions to be taken as a fire team member after fire suppression systems have been activated.

4.3 Response. This duty involves connecting to the water supply for fire-fighting operations, establishing effective incident communications, and protecting exposures.

4.3.1 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.

(A) Requisite Knowledge. International shore connection.

(B) Requisite Skills. Ability to recognize and use an international shore connection.

4.3.2 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.

(A) Requisite Knowledge. Environment, vessel construction, and fire behavior aboard vessel.

(B) Requisite Skills. Participating as part of a team to protect exposures, operating handlines, and master streams.

4.3.3 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.

(A) Requisite Knowledge. Construction and normal operation of vessel doors and hatches; safety procedures for securing vessel doors and hatches to prevent them from closing behind fire fighters; desired entry methods for various tactical operations, including ventilation, observation, dewatering, and agent application.

(B) Requisite Skills. Identifying and operating vessel doors and hatches.

4.3.4 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.

(A) Requisite Knowledge. Effect of tide, wakes/waves, currents, fire-fighting operations, vessel stability; procedures for reporting the information; vessel draft marking systems.

(B) Requisite Skills. Visualizing the position of a vessel; using internal and external measuring devices or procedures.

4.4 Communications. This duty involves using marine facility and vessel communications equipment to receive and relay verbal information at an incident.

4.4.1 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.

(A) Requisite Knowledge. Marine communications terminology and procedures; proper marine radio frequencies to be used; types and capabilities of vessel communications systems; methods for overcoming language barriers.

(B) Requisite Skills. Operating marine facility and vessel communications systems; operating marine radios.

4.4.2 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.

(A) * Requisite Knowledge. Locations on a vessel where the ship's master, mate, engineer, or ship's agent can be located; marine frequencies monitored by the vessel master; locations where facility representatives are normally located; methods for contacting representatives after normal working hours.

(B) Requisite Skills. Operating marine facility and vessel communications equipment; boarding the vessel; negotiating or traveling through the facility or vessel.

4.4.3 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.

(A) Requisite Knowledge. Marine communications terminology and procedures; proper marine radio frequencies to be used; land-based frequencies used in mutual aid situations; other agencies that respond to marine incidents.

(B) Requisite Skills. Operating vessel and mobile communications systems, marine radios, and fire department communications equipment.

4.4.4 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.

(A) Requisite Knowledge. The accountability systems used by the AHJ; knowledge of personnel who are authorized to operate at a marine incident.

(B) Requisite Skills. Using accountability tactical worksheets.

4.4.5 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.

(A) Requisite Knowledge. Vessel evacuation and accountability procedures used by the AHJ.

(B) Requisite Skills. Controlling, directing and moving passengers and crew.

4.5 Fire Control. This duty involves the control and extinguishment of fires on vessels, including fire attack, ventilation, reconnaissance operations, dewatering operations, and rescue of vessel occupants.

4.5.1 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.

(A) Requisite Knowledge. Construction principles of a vessel that affect ventilation operations; principles, advantages, limitations, and effects of horizontal, vertical, natural, and forced ventilation; safety considerations when venting a vessel; signs, causes, effects, and prevention of backdrafts; methods of heat transfer and principles of thermal layering on vessels; effects of vessel construction on fire behavior and heat transfer.

(B) Requisite Skills. Transporting, deploying, and operating ventilation equipment on a vessel.

4.5.2 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.

(A) Requisite Knowledge. Fire behavior on vessels; procedures for operating a thermal imaging camera; safety procedures for operating in or near fire compartments on vessels.

(B) Requisite Skills. Negotiating vessel ladders, stairs, corridors, and decks; operating in high heat and vision-obscured areas utilizing a thermal imaging camera.

4.5.3 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.

(A) Requisite Knowledge. Safety precautions to be taken when working in water; hazards associated with water collecting in various areas of a vessel; hazards associated with water removal in a vessel.

(B) Requisite Skills. Deploying and operating dewatering equipment.

4.5.4 *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.

(A) Requisite Knowledge. Precautions to be followed when advancing hose lines to a fire on a vessel; principles of exposure protection; types of fuels found on a vessel; types and application of attack lines used on vessels; effective application of fire streams.

(B) Requisite Skills. Advancing charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks; operating fire streams; and advancing multiple hose lines for fire attack.

4.5.5 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.

(A) Requisite Knowledge. Psychological effects of operating in obscured-vision conditions; methods to determine if the area is tenable; primary and secondary search techniques; victim removal methods; likely locations of passengers, crew members, shipyard workers, and contractors; location and use of emergency escape breathing devices (EEBDs).

(B) Requisite Skills. Using forcible entry tools; using self-contained breathing apparatus (SCBA); accessing remote or enclosed compartments; advancing charged and uncharged hose lines up and down vessel ladders and stairs, through corridors, and across decks; and removing victims.

4.5.6 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.

(A) Requisite Knowledge. Appropriate extinguishing agents; effects of various extinguishing agents; hazards associated with various extinguishing agents, including onboard systems; sources of bulk extinguishing agents.

(B) Requisite Skills. Reading cargo manifests and technical information on extinguishing agents, deploying and operating extinguishing equipment and agents.