

State of Oregon
Oregon Department of Public Safety Standards and Training

**Marine Fire Fighting for
Land-Based Fire Fighter I
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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Department of Public Safety Standards and Training
4190 Aumsville Hwy. SE
Salem, OR 97317
(503) 378-2100

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<http://www.oregon.gov/DPSST/index.shtml>

New 2007

Task Book Qualification Record Books (Task Book) have been developed for various certification levels within the 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. 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. 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 will be forwarded to DPSST. All certificates are mailed to the Training Officer at his/her department.

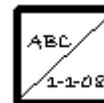
Note to departments: These JPRs serve as general guidelines. As such they are not intended to replace specific sequences of apparatus or equipment operation that may be outlined by manufactured specifications. At all times, Standard Operating Procedures of the department in which the evaluations is being conducted will govern. Departments should have available for evaluators a copy of manufactures specifications

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).

(A) Requisite Knowledge. Hazards associated with marine facilities and vessels; vehicle operation regulations within the marine facility; appropriate access points for marine facilities; marine facility layout.



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

Prior to becoming certified in this position, the 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 Marine Land-Based Fire Fighter can proceed. **Asterisks (*) indicate additional information is available in the Appendix of the Evaluation Guide.**

5.1 General Requirements.

To meet the requirements for Marine Fire Fighter I, the Fire Fighter II shall meet the general knowledge requirements in [5.1.1](#), the general skill requirements in [5.1.2](#), and the JPRs in Sections [5.2](#) through [5.5](#) of this standard and the requirements defined in Chapter 6, Fire Fighter II, of [NFPA 1001](#), *Standard for Fire Fighter Professional Qualifications*.

5.1.1 General Knowledge Requirements. The Marine Fire Fighter I shall have general knowledge of the following:

- (1) Marine vessel types and potential products to be carried on those vessels
- (2) Marine facility types and potential vessels and products that can be present in those facilities

5.1.2 General Skill Requirements. This duty shall not involve any requirements for the Marine Fire Fighter I.

5.2 Access.

This duty involves making safe access to the scene of an incident and evaluating and securing the scene on or around an involved vessel so that it can be safely boarded,

if necessary, according to the JPRs of [5.2.1](#) through [5.2.3](#).

5.2.1* Locate and access the scene of an incident, given an incident, preincident plans, a facility map, navigational charts, a specified response vehicle, or other aids or combination thereof, used by the AHJ, so that the scene of the incident is identified and potential delays in or hazards to the response are identified and avoided.

(A) Requisite Knowledge. Hazards associated with marine facilities and vessels; vehicle operation regulations within the marine facility; appropriate access points for marine facilities; marine facility layout.

(B) Requisite Skills. Reading and using maps, plans, and navigational charts.

5.2.2 Board a vessel, given a vessel; personal protective equipment; a ladder, gangway, or other access device; and an assignment, so that the hazards are assessed, the access device is positioned and secured according to procedures, and the personnel and equipment necessary to perform the assignment are transferred to the vessel without falling or being dropped.

(A) Requisite Knowledge. Effect of vessel movement due to tide, wakes, currents, or other factors on laddering or accessing a vessel; criteria of a safe foundation for ladder placement on a marine vessel; reliable structural components on the vessel for top placement of a ground ladder; positioning of ladders and gangways; effects of water depth and draft.

(B) Requisite Skills. Climbing techniques for gangways; the ability to carry, raise, and climb ground ladders in a marine environment.

5.2.3 Access a specified location on a vessel, given a vessel, a plan of the vessel, and an assignment, so that hazards are assessed, the location is identified and accessed, and the personnel and equipment necessary to perform the assignment are transferred from the vessel boarding location to the designated location without falling or being dropped.

(A) Requisite Knowledge. Vessel construction terminology; marine terminology (bow, stern, port, starboard, and so forth); hazards associated with various locations on a vessel.

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

5.3 Response.

This duty involves the placement of apparatus and equipment at an incident, establishing the water supply for fire-fighting operations, rescuing personnel onboard the vessel, establishing effective incident communications, protecting exposures and cargo, controlling utilities, and assessing and controlling vessel stability and movement, according to the JPRs of [5.3.1](#) through [5.3.6](#).

5.3.1* Position the apparatus at a marine incident, given an incident in a specified location, an assignment, an apparatus, preincident plans, a facility map, standard operating procedures, or other resources used by the AHJ, so that hazards are avoided, the apparatus is spotted for the given assignment according to procedures, and access for later arriving vehicles is not unnecessarily blocked.

(A) Requisite Knowledge. Water supply sources for marine incidents; hazards within the port or facility; designated vehicle access routes within the port or facility; vehicle length, height, and weight limits; safe vehicle placement relative to the vessel and mooring lines; ability to read preincident plans and maps of marine facilities; strategic and tactical positioning for various types of fire apparatus.

(B) Requisite Skills. Reading and using maps and plans on marine facilities; recognizing hazards that are present in a marine environment.

5.3.2 Establish connections for the water supply at an incident, given a static or pressurized water supply source; a pumping-type fire apparatus; appropriate hose, adapters, international shore connections, and other fittings; agency procedures; and an assignment, so that an uninterrupted supply of water is established and all hoses are connected and positioned according to procedures.

(A) Requisite Knowledge. Location and capacity of hydrants at marine facilities; availability and capabilities of alternative water supply sources such as tanker/tenders, fire boats, and fire pumps; safe drafting locations relative to the location of the involved vessel; effects of tidal movements on drafting operations; agency procedures.

(B) Requisite Skills. Connecting hoses to fire boats and vessel inlets; placing hard intake hoses over dock edges or other drafting locations; stretching supply hoses to the vessel.

5.3.3 Remove a victim from a vessel as a member of a team, given a vessel, a team, an assignment, a victim, a ladder or gangway, a litter, or other devices specified by the AHJ, so that the equipment is used in its intended manner and the victim is removed without further injury.

(A) Requisite Knowledge. Likely location of crew members, passengers, shipyard workers, and contractors on a vessel or in a marine facility; positioning for ladders and gangways to be used for rescue operations; effects of vessel movements on ladder, aerial device, and gangway placement.

(B) Requisite Skills. Moving conscious and unconscious victims within and off vessels; moving victims on ladders and gangways; moving and positioning ladders and gangways for rescue within and off vessels.

5.3.4 Protect an exposure at a marine fire incident as a member of a team, given an incident; a team; an exposure; a water supply source; fire apparatus, fire hose, nozzles, and equipment; and an assignment, so that the apparatus and equipment are positioned and deployed according to procedures and the exposure is protected.

(A) Requisite Knowledge. Effects of conducted, convected, and radiated heat on marine facility and vessel exposures; effects of weather on fire behavior and marine exposure protection; exposure hazards presented by various structures and equipment at marine facilities and on vessels; positioning around marine facilities and vessels.

(B) Requisite Skills. Connecting hoses and apparatus to marine facility water supply sources; deploying hoses and nozzles for exposure protection within a marine facility or vessel.

5.3.5 Collect and report vessel stability information, given a vessel, an incident, measuring devices, standard operating procedures, and an assignment, 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 agents, vessel movement, or combinations thereof on vessel stability; procedures for reporting the information; vessel draft marking systems.

(B) Requisite Skills. Visualizing the position of a vessel and estimating any deviation from the normal position; using measuring devices and communications equipment.

5.3.6* Control vessel movement, given a vessel, mooring equipment, standard operating procedures, and an assignment, so that the vessel is prevented from moving from the desired location.

(A) Requisite Knowledge. Effect of tide, wakes/waves, currents, movement of nearby vessels, weather, or combinations thereof on vessel movement; methods for securing a vessel to a land-based mooring or another vessel; roles and responsibilities for personnel who secure the vessel.

(B) Requisite Skills. Operating mooring lines and equipment.

5.4 Communications.

This duty involves using marine facility and vessel communications equipment to receive and relay verbal information at an incident, according to the JPRs of [5.4.1](#) through [5.4.4](#).

5.4.1 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.

5.4.2 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.

5.4.3 Retrieve a vessel fire control plan and other specified documents from a cold zone on the vessel, given a vessel, an assignment, a fire control plan and other documents, and any necessary equipment, so that the 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 fire control plan and other documents, such as dangerous cargo manifests, trim and stability booklets, cargo-loading manuals, and crew and passenger lists are stored; primary and alternate routes to reach the location(s) where the fire control plan and other documents are stored; understanding of response personnel utilization of the fire control plan; location of the command post.

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

5.4.4 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.

5.5 Command.

This duty involves deploying an incident management system at an incident, as well as establishing site control and information exchange procedures, according to the JPRs of [5.5.1](#) through [5.5.4](#).

5.5.1* Establish command at an incident, given an incident and an incident management system, so that all major parties involved in the incident and their responsibilities are identified and an initial command post is established.

(A) Requisite Knowledge. Working knowledge of the incident management system used by the AHJ; parties to be included in the unified command structure at an incident; unified command procedures; roles and responsibilities of the fire department, ship's master, U.S. Coast Guard or other marine agency for that jurisdiction (e.g., port state control), and facility representatives.

(B) Requisite Skills. Locating facility and vessel representatives; conducting unified command meetings, briefings, and operations.

5.5.2 Develop and monitor an initial action plan for an incident, given an incident, standard operating procedures, and fire department communications equipment, so that an accurate size-up of the incident is performed, the nature and location of the incident are

accurately reported, hazards are identified, required resources are identified and ordered, assignments to other responders are made, incident progress is monitored, and the information is accurately transferred to the next Incident Commander.

(A) Requisite Knowledge. Radio procedures used by the AHJ; resource requirements for various types of incidents; basic marine fire-fighting and emergency incident tactics; hazards associated with marine incidents; incident management system used by the AHJ; size-up procedures; transfer-of-command procedures.

(B) Requisite Skills. Operating marine radio and other communications equipment; using a tactical command worksheet; formulating and transmitting a size-up report.

5.5.3 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, unauthorized personnel are prevented from boarding the vessel, and emergency personnel accountability reports (PARs) can be completed.

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

(B) Requisite Skills. Differentiating between authorized and unauthorized personnel attempting to board the vessel; using accountability tactical worksheets.

5.5.4 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 nonessential personnel are removed from the hazard area to an area of refuge.

(A) Requisite Knowledge. Vessel and facility evacuation procedures; likely locations of passengers and crew members on the vessel; incident management and accountability procedures used by the AHJ.

(B) Requisite Skills. Operating onboard communications equipment; identifying safe routes of egress and locations of safe refuge on a vessel.

