



Land Based Marine Fire Fighter Task Book

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| Task Book Assigned To: |
| Student Name |
| Department Name - Date Initiated |
| Signature of Supervising Officer - Date Completed |

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TASK BOOK QUALIFICATION RECORD

LAND BASED MARINE FIREFIGHTER

Prior to becoming certified in this position, the Land Based Marine Fire Fighter candidate must be certified as an NFPA Fire Fighter II and successfully complete the following Job Performance Requirements (JPR) to the satisfaction of the AHJ. The evaluator must initial and date the appropriate boxes to indicate successful completion of each JPR. For each JPR there are requisite knowledge and skill requirements that can be found online at www.marineresponse.org The evaluator of the first sequence must initial and date in the box provided to indicate the meeting of those requirements before the Land Based Marine Fire Fighter can proceed.

The Marine Terrorism Response for Land-Based Fire Fighters training, discussed in the MTR self study section above, is designed to be reinforced with a 16-hour WMD/live-fire training program. The live fire training to be conducted at the Washington State Fire Training Academy, or equivalent facility, reinforces elements covered in the MTR self-study training and provides students with the opportunity for reality-based training and evaluation of psychomotor skills.

Students shall be presented with multiple scenarios representing incidents aboard a vessel where they are exposed to the difficulties of combating a marine incident – challenged with simulated hazards and marine environmental conditions on a simulated ship prop. During these scenarios, the students are tasked with implementing response procedures to deal with the effects of IEDs, secondary devices, chemical releases and firefighter and civilian casualties aboard vessels.

As part of the scenarios, the students must also develop command structures and associated communications per AHJ SOPs and NIMS and will identify resources needed to mitigate the incident at hand. The following evolutions shall be employed:

1. Access the vessel – demonstrate ladder techniques; Locate vessel documents; Conduct size-up – assess incident conditions and accurately communicate to IC; Search and Rescue with demonstration of victim removal tactics
2. Class A shipboard fire – demonstrate hatch access, accurate communications, fire boundaries, ventilation techniques, indirect and direct fire attacks
3. Class B shipboard fire – demonstrate watertight door entry; accurate communications; secure fuel, electrical power, and machinery; attack fire with properly protected and equipped fire hose teams and control ventilation.
4. Stability and Dewatering techniques
5. CO₂ Operations, Cutting / Burning, Foam and Nozzle demonstration

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Firefighter 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 evaluator will result in the candidate's certification as a Land Based Marine Firefighter as described in NFPA 1005 "Professional Qualifications for Marine Fire Fighting for Land-Based Fire Fighters".

To become certified at the Marine Firefighter 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.

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 or policies of the AHJ. At all times, Standard Operating Procedures of the department in which the evaluations are being conducted will govern.

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.

How to Evaluate Performance

Each JPR has a corresponding signature line in which to confirm a candidate's success. The evaluator shall indicate successful passing by the candidate of each JPR by signing and dating the signature line. If the candidate fails a JPR it shall be indicated by circling the "Fail" and dating.

Pass/Fail Date: 01/12/2014

Each JPR lists the performance requirements (tasks) for the specific position in a format that allows a trainee to be evaluated against written guidelines. Successful performance of all tasks, as observed and recorded by an evaluator, will result in a recommendation that the trainee be certified in that position. Evaluation and confirmation of the individual's performance of all the tasks may involve more than one evaluator and can occur on incidents, in classroom simulation, and in other work situations. It is important that performance be critically evaluated and accurately recorded by each evaluator. All tasks must be evaluated. All bullet statements within a task that require an action (contain an action verb) must be demonstrated before that task can be signed off.

Responsibilities

1. The **Authority Having Jurisdiction** is responsible for:
 - Selecting trainees based on the needs of their organization or area Incident Management Teams.
 - Providing opportunities for evaluation and/or making the trainee available for evaluation.

2. The **Individual** is responsible for:

- Reviewing and understanding instructions contained in manufactures instructions or policies of the AHJ .
- Identifying desired objectives/goals.
- Providing background information to an evaluator.
- Satisfactorily demonstrating completion of all tasks for an assigned position within three years.
- Assuring the evaluation record is complete.
- Notifying the AHJ when the JPR is completed, and obtaining their signature recommending certification.
- Keeping appropriate record of training and evaluation as prescribed by the policies of the AHJ.

3. The **Evaluator** is responsible for:

- Being qualified and proficient in the position being evaluated.
- Meeting with the trainee and determining past experience, current qualifications, and desired objectives/goals.
- Reviewing tasks with the trainee.
- Explaining to the trainee the evaluation procedures that will be utilized and which objectives may be attained.
- Identifying tasks to be performed during the evaluation period.
- Accurately evaluating and recording demonstrated performance of tasks. Dating and initialing completion of the task shall document satisfactory performance. Unsatisfactory performance shall be documented in the Evaluation Record.
- Completing the Evaluation Record found at the end of each JPR.

5. The **Agency Head** or designee is responsible for:

- Issuing the JPR to document task performance.
- Explaining to the trainee the purpose and processes of the JPR, as well as the trainee's responsibilities.
- Tracking progress of the trainee.
- Identifying incident evaluation opportunities.
- Identifying and assigning an evaluator that can provide a positive experience for the trainee, and make an accurate and honest appraisal of the trainee's performance.
- Documenting the assignment.
- Conducting progress reviews.
- Conducting a closeout interview with the trainee and evaluator and assuring that documentation is proper and complete.

Basic Knowledge

Job Performance Requirement 1- General Vessel Knowledge:

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.

(A) Requisite Knowledge.

Generalized marine vessel types; awareness level hazardous product information; general hazard classes of product and structural firefighting PPE compatibilities; policies and procedures associated with marine incident response.

Requisite Skills. Reading comprehension and oral communication skills.

1. Given a port within the area or responsibility of the AHJ, the candidate shall identify the type and purpose of vessels within the port.
2. Given a vessel type, the candidate shall point out general hazards associated with the vessel and its cargo.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 2- Vessel Construction and Terminology

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. General knowledge of marine vessel construction, marine vessel terminology, structural hazards with marine vessels.

Requisite Skills. Locate and identify structural elements and hazards aboard a vessel using appropriate marine terminology.

1. From the pier, the candidate will indicate the location of the major components of a vessel, including bow, stern, draft marks, wheelhouse, mooring lines.
2. Aboard the vessel, the candidate shall locate and identify components of vessel construction important to marine firefighters including, but not limited to, frames, watertight doors, the main deck, hatches, freeing ports, scuppers, engine rooms and other machinery spaces, berthing spaces, and galley and mess areas.
3. Aboard the vessel, the candidate shall identify hazards associated with the type of vessel. This task should be completed for a representative number of vessels types with the AHJ's area of responsibility. Identified hazards should include:
 - a. Hazards associated with the type of cargo carried
 - b. Hazards associate with deck machinery, including cranes and mooring winches
 - c. Hazards associated with potential confined spaces
 - d. Hazards associated with working on/near the water

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 3- Boarding a vessel

Board a vessel, via the gangway, accommodation ladder or fire department ladders, with structural fire-fighting PPE including SCBA, water survival techniques (flotation devices), approved hand tools and suppression equipment, and following AHJ policies and procedures, so that land-based fire fighters are transferred to the vessel in a safe manner.

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.

Requisite Skills: Donning structural fire-fighting approved PPE; carrying tools and equipment in a proper and safe manner; climbing techniques for gangways.

1. Donning structural fire-fighting approved PPE, including SCBA and;
2. Carrying tools and equipment, approved by the AHJ for use in marine firefighting, in a proper and safe manner, demonstrate climbing techniques for gangways and ships ladders using methods approved by the AHJ.
3. Demonstrate proper placement of fire department ladders including, if available, aerial ladders taking into account the effects of wind, tides and firefighting operations on vessel movement and board a vessel using these means.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 4- Fire Control Plans and Documents

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. Determine the location(s) on the vessel where the vessel fire control plan and other documents, such as dangerous cargo manifests, trim and stability booklets, cargo-loading manuals, and where applicable, and crew and passenger lists are stored. Identify 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.

Requisite Skills: Boarding and negotiating or traveling through the vessel; Recognition of the vessel fire control plan and other types of documents.

1. In full PPE, including SCBA, the candidate shall access a vessel and locate the vessel fire control plan.
2. Using the fire control plan, the candidate shall identify the location of:
 - a. Crew/passenger quarters;
 - b. Fixed extinguishing systems and controls;
 - c. Fire stations; international shore connection;
 - d. Engine and machinery spaces;
 - e. Hazardous material storage, including paint lockers;
 - f. Fire dampers (if any);
 - g. All routes of access/egress from below deck spaces.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 5 – Water Survival

Demonstrate self-survival rescue techniques in water given a body of water, and structural fire-fighting PPE including SCBA, so that a land-based fire fighter is able to maintain buoyancy until self-survived or rescued.

Requisite Knowledge. Ability to determine when to doff PPE; water buoyancy; self-sustaining rescue techniques; structural firefighting PPE including SCBA; hazards associated with water; hazards leading up to a land-based fire fighter falling into water; notification or communication techniques; to indicate rescue is needed.

Requisite Skills: At a location approved by the AHJ and with appropriate safety measures in place and using full PPE the candidate shall:

1. Demonstrate swimming or floating in full PPE, including SCBA and;
2. Demonstrate self-survival rescue techniques and;
3. Demonstrate oral and hand communication skills approved by the AHJ to communicate to rescuers.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Vessel Access.

This duty involves making safe access to the vessel.

Job Performance Requirement 6 – Vessel Doors and Hatches

Access and identify a specified location on a vessel, given a vessel fire control plan , 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. The assignment is completed and reported.

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

Requisite Skills: Negotiating vessel ladders, decks, and corridors; operating vessel doors and hatches.

1. Aboard a vessel, the candidate shall demonstrate the proper method of ascending/descending vessel ladders and;
2. Given a watertight door, the candidate shall demonstrate the appropriate method of opening and closing to door and;
3. Given a watertight hatch, the candidate shall demonstrate the proper technique for opening and passing through the hatch and ascending/descending the ladder associated with it.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 7 – Fire Suppression Systems

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. 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.

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.

1. Candidate shall locate and identify a CO2 or similar type of compartment flooding extinguishing system and describe its operation including:
 - a. System capabilities and limitations,
 - b. Safety hazards associated with the system, and;
 - c. Sequence of operation
2. Candidate shall locate portable extinguishing systems aboard a vessel and describe or demonstrate (as authorized by the vessel or AHJ) proper use of such equipment.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Response.

This duty involves the placement of apparatus and equipment at an incident, establishing and connecting to the water supply for fire-fighting operations, rescuing personnel onboard the vessel, establishing effective incident communications, and protecting exposures.

Job Performance Requirement 8 – Use of Appliances

Establish connections for the water supply to a vessel at an incident, using the international shore connections and equipment supplied by the AHJ, so that an uninterrupted supply of water is established and all hoses are connected and positioned according to procedures.

Requisite Knowledge. International shore connection and fire department appliances.

Requisite Skills. The ability to recognize and use an international shore connection and place fire department appliances in operation aboard a vessel.

1. The candidate shall board a vessel and locate the international shore connection and, using appropriate tools, connect the international shore connection to the vessel and;
2. Demonstrate the appropriate procedures, commensurate with guidelines established by the AHJ, for the delivery of water to fire stations aboard the vessel and;
3. Demonstrate the appropriate procedures, commensurate with guidelines established by the AHJ, for placing fire department appliances aboard a vessel for the delivery of water to fire department supplied hoses.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 9 – Victim Removal

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.

Requisite Knowledge. Likely location of crew members, passengers, shipyard workers, and contractors on a vessel or in a marine facility.

Requisite Skills. Moving conscious and unconscious victims within and off vessels; moving victims on ladders and gangways.

1. Request appropriate resources for the safe and effective removal of crew members, passengers, and/or shipyard works from a vessel.
2. Using equipment and personnel supplied by the AHJ, the candidate shall direct the moving of a conscious patient(s) to a safe location aboard the vessel and on the pier. The task shall include the use of watertight doors and hatches and movement up/down a vessels ladders
3. Using equipment and personnel supplied by the AHJ, the candidate shall direct the moving of an unconscious patient(s) to a safe location aboard the vessel and on the pier. The task shall include the movement of personnel and victims through watertight doors and up/down vessel ladders.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 10 – Exposure Protection

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

Requisite Knowledge. The local environment, vessel construction, and fire behavior aboard vessel.

Requisite Skills. Conducting exposure protection. Participating as part of a team to protect exposures, operating handlines, and master streams.

1. In a live fire scenario, the candidate will identify exposures for a fire in a given compartment.
 - a. Given a fire control plan, the candidate shall identify potential fire spread paths in adjoining compartments and in other compartments as the result of fire spread through ventilation ducts or open doors

2. In a live fire scenario, the candidate will, given a fire in a compartment, identify the needed resources and properly deploy handlines or master streams in accordance with the procedures of the AHJ, to protect an exposure.
 - a. Candidate shall identify the proper number of hoselines needs to protect exposures.
 - b. Candidate shall describe the procedures needed to deploy hoselines aboard the vessel.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 11- Access Fire Compartments/Ventilation

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. 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.

Requisite Skills. Identifying and operating vessel doors and hatches.

1. In a live fire scenario, the candidate will identify the proper operation of doors and hatches found in the training vessel.
2. In a live fire scenario, the candidate will, given a fire in a compartment, properly access the compartment by the operation doors and hatches.
 - a. Doors and hatches shall be operated in a manner consistent with policies of the AHJ and recommended practices, to prevent extension of the fire or backdraft.
 - b. Fire control measures shall be deployed prior to the operation of doors and hatches.
3. The candidate shall demonstrate proper techniques for ventilating a fire compartment and adjoining spaces using nozzles and other ventilation equipment provided by the AHJ.
 - a. Candidate shall demonstrate hydraulic ventilation of a compartment using hoselines.
 - b. Candidate shall, if possible demonstrate ventilation of a compartment using natural ventilation

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 12 – Vessel Stability

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

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

1. Candidate shall correctly calculate the draft of a vessel in port (using both feet and meters), obtaining forward, amidships, and aft drafts. The candidate shall calculate the mean draft and determine if the vessel is hogged or sagged.
2. Given a vessel in port, the candidate shall calculate the tidal range for a given operational period and describe its effect on fire department access to the vessel.
3. Given equipment used by the AHJ, the candidate shall calculate the weight of fresh water and salt water, in tons, applied to the vessel by hose steams and master streams.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Communications.

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

Job Performance Requirement 13 – Communications

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

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

1. The candidate shall describe and demonstrate the operation of marine and terminal radios.
2. The candidate shall describe and operate the marine communications equipment provided by the AHJ.
 - a. Describe the operation and limitations of radios when used in the marine environment.
 - b. Describe equipment and procedures used by the AHJ to maintain communication aboard the vessel.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 14 – Marine Communications

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. 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.

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

1. Boarding a vessel, the candidate shall locate and properly operate vessel internal communication systems including:
 - a. Sound powered telephones
 - b. Vessel specific radio systems
 - c. Speaking tubes –if fitted
 - d. Other means of internal communications specific to the vessel

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 15 - Stability

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.

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 alternative 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.

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

1. Candidate shall board a vessel and locate the fire control plan and accurately describe the symbols associated with fire control equipment.
2. Candidate shall board a vessel and locate the vessels stability documents.
 - a. Using the vessel's Deadweight Scale, the candidate shall determine the change in draft, in inches or centimeters, for every ton of firefighting water applied to the vessel.
 - b. Candidate shall describe the effect of free surface in any compartment aboard the vessel.
3. Candidate shall board a vessel and locate cargo manifests and determine the location of dangerous cargo aboard the vessel.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 16 – Multi Agency Communications

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. 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.

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

1. Given an incident, the candidate shall describe the AHJ procedures for communication between responding agencies and terminal and vessel personnel.
 - a. Candidate shall identify and describe the operation of AHJ radio systems, including limitations imposed by the marine environment.
 - b. Candidate shall describe communication tools employed by other responding emergency service organizations i.e. police, USCG, EMS.
 - c. Candidate shall describe the procedures for communication between multiple agencies as outlined in the policies of the AHJ.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 17 – Responder Accountability

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

Requisite Skills. Using accountability tactical worksheets.

1. Given an incident scenario at a terminal, the candidate shall, in accordance with the IMS procedures of the AHJ, demonstrate the procedures for responder accountability.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 18 - Accountability

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.

Requisite Skills. Controlling, directing and moving passengers and crew.

1. At a marine terminal in the AHJ's response area, the candidate shall describe the actions to be taken to evacuate and account for passengers and crew of a vessel.
 - a. Candidate shall obtain passenger and crew lists, if available.
 - b. Candidate shall describe methods to control access/egress from the vessel.
 - c. Candidate shall identify additional resources to assist in performing the task.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

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.

Job Performance Requirement 19 - Ventilation

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. 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.

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

1. Candidate shall identify ventilation equipment used by the AHJ for fires and other incidents aboard vessels.
2. Candidate shall correctly develop and implement a ventilation path to remove smoke from the lower decks of a vessel.
 - a. Candidate shall obtain the vessel's fire control plan and;
 - b. If available the ventilation plan and;
 - c. In coordination with the vessel's crew identify which openings must be controlled to remove smoke from the vessel.
3. Candidate shall, given a particular space aboard a vessel, deploy and operate ventilation equipment designed to remove smoke and fire gasses from the vessel.
 - a. Ventilation equipment shall be deployed in a manner consistent with manufacturer's guidelines and policies of the AHJ.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 20 – Thermal Imaging Techniques

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. Fire behavior on vessels; procedures for operating a thermal imaging camera; safety procedures for operating in or near fire compartments on vessels.

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

1. At a live fire training facility, the candidate shall demonstrate the use of thermal imagers provided by the AHJ.
 - a. Using thermal imaging in a live fire scenario, the candidate shall conduct a search of the training area to locate potential victims.
 - b. Using thermal imaging in a live fire scenario, the candidate shall locate the seat of the fire.
 - c. Using thermal imaging in a live fire scenario, the candidate shall locate and identify bulkheads or other surfaces needing cooling to prevent the spread of fire to another compartment.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 21- Dewatering

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. 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.

Requisite Skills. Deploying and operating dewatering equipment.

1. At an appropriate facility, the candidate shall identify and operate dewatering equipment approved by the AHJ.
 - a. Equipment shall be deployed in a safe manner consistent with manufacturer's guidelines and operating policies of the AHJ.
 - b. Water removed from a vessel shall be done so in a manner consistent with local pollution prevention regulations.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 22 – Advancing Hoselines

Attack a fire on a vessel as a member of a team, given a vessel, an incident, an assignment, attack line, a secondary line, approved PPE, 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. 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.

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.

1. At an appropriate training facility, the candidate, as part of a team, shall deploy supply lines and appliances used by the AHJ, to supply attack hose lines.
2. The candidate, as part of a team, shall deploy hoselines through a vessel to attack a Class A and Class B fire.
3. Hose line deployment shall be in accordance with the policies of the AHJ.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 23 – Forcible Entry

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. 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.

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.

1. At an appropriate live fire training facility, the candidate operating as part of a team, shall identify forcible entry tools, approved by the AHJ for use aboard a vessel.
2. The candidate, as part of a team, shall conduct a primary and secondary search of a live fire training prop.
3. The candidate shall, in accordance with the policies of the AHJ, demonstrate the removal of victims from interior compartments of a vessel or a live fire training prop.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____

Job Performance Requirement 24 – Use of Extinguishing Agents

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. Appropriate extinguishing agents; effects of various extinguishing agents; hazards associated with various extinguishing agents, including onboard systems; sources of bulk extinguishing agents.

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

1. Boarding a vessel, the candidate shall locate and describe the operation of the vessels fixed extinguishing system.
2. The candidate shall properly identify the procedures for deploying extinguishing agents working in conjunction with the vessel's crew.

Pass/Fail Date: _____

Retest Pass/Fail Date: _____

Approved By: _____ Date: _____