



REQUEST FOR PROPOSALS

Title	Marine Firefighting Symposium Syllabus Design
LRFP Number	8050.19.01
Project Manager	Alan Sorum
Submittal Deadline	August 17, 2018
Award Announcement	August 30, 2018

Submit Proposals to:

Alan Sorum – Maritime Operations Project Manager
Prince William Sound Regional Citizens' Advisory Council
Post Office Box 3089
Valdez, Alaska 99686

or

via email at the following address:
alan.sorum@pwsrcac.org

To verify receipt of proposal, proposer must contact Alan Sorum before the submittal deadline.

Proposal submission requirements:

- a. Proposals shall be submitted in electronic form in Adobe Portable Document form (PDF) (Acrobat 7.0 or later). The PDF file for the proposal itself shall be created directly from the authoring application. It is permissible, but not preferred for appendices and other attachments to the proposal to be submitted in scanned PDF format.
- b. To assure consideration, proposals must be received by Prince William Sound Regional Citizens' Advisory Council (PWSRCAC) by the deadline. Proposals received after the deadline may be considered, but only if they can be accommodated by PWSRCAC's review process. Additional information provided after the deadline may also be considered, but only if such information can be accommodated by the review process.

Inquiries regarding this request for proposals shall be directed to the project manager named above via email.

REQUEST FOR PROPOSALS

The Prince William Sound Regional Citizens' Advisory Council (PWSRCAC) is inviting proposals for a consultant to design a training syllabus that meets requirements recently set forth by the Alaska Fire Standards Council for Alaska Marine Firefighter certification. PWSRCAC holds a Marine Firefighting Symposium every two years and plans to use the syllabus developed through this proposal process in its planning for the next symposium to be held in 2019.

The final work product of this effort will result in a training syllabus from the Consultant that details the scope and sequence of required instruction, identifies the number of instructors needed to conduct the training, specifies minimum instructor qualifications, outlines required training equipment and highlights the training infrastructure needed for a successful outcome.

ABOUT PWSRCAC

MISSION STATEMENT: Citizens promoting environmentally safe operation of the Alyeska terminal and associated tankers.

PWSRCAC was formed following the Exxon Valdez oil spill to advise Alyeska Pipeline Service Company and the public on issues related to oil spill prevention and response and mitigating the environmental impacts of terminal and tanker operations. PWSRCAC also advises oil shippers, regulatory agencies and elected officials on these issues.

PWSRCAC's membership is comprised of communities affected by the Exxon Valdez oil spill and interest groups with a stake in safe oil transportation in the region. PWSRCAC's 19 member organizations are communities and boroughs impacted by the 1989 Exxon Valdez Oil Spill, as well as Native, commercial fishing, aquaculture, recreation, tourism and environmental representatives.

PWSRCAC was chartered as a non-profit corporation by the State of Alaska on December 26, 1989. PWSRCAC is funded under a contract with Alyeska, and is certified as the alternative voluntary advisory group for Prince William Sound under the Oil Pollution Act of 1990 (OPA 90).

Please note: All of PWSRCAC's products and the products resulting from contracts are considered public information. Proposals and work plans may be distributed throughout the organization for review and comment. Proprietary information should not be submitted in any proposal. PWSRCAC will not knowingly reveal the contents of a proposal that is not subsequently accepted for contract; however, PWSRCAC accepts no liability should such contents inadvertently be revealed to third parties.

1. PROJECT

Introduction.

Along with its industry partners, PWSRCAC hosts a biennial Marine Firefighting Symposium to provide marine firefighting training to land-based, structural firefighters that might not be familiar with this subject and to promote improved marine safety in the region. The event allows Council staff and volunteers, local firefighters and industry representatives to meet and network together, fostering strong partnerships among stakeholders.

The symposium includes training in shipboard firefighting and regional response considerations, with a focus on a response to an oil tanker fire. In light of the OPA 90's requirements for marine salvage and firefighting contractors, it is important to provide training opportunities that allow for local, state and federal entities to work together with industry representatives on operations and command functions related to a tanker or ship fire response.

Starting with the FY-2014 symposium, firefighters were given the opportunity to take a formal written test to gain state awareness level certification in this field. The State of Alaska has approved a new set of standards that will establish a level of certification that is a step beyond what is currently available. It will be called the "Alaska Marine Firefighter" certification and will combine both practical and written test requirements. Currently, it is estimated that it will take a week of training to successfully complete this program.

The Council has conducted nine Marine Firefighting Symposiums over the last twenty years. The release of these new firefighter training standards is a perfect opportunity for the Council to refresh and renew this program. The purpose of this solicitation is to secure a qualified consultant that can prepare a syllabus that will detail the resources that will need to be put into place to provide this needed level of training.

Goals and Deliverables.

This project will help PWSRCAC properly prepare training to the updated *Alaska Marine Firefighter* standard at its next Marine Firefighting Symposium. Materials developed by the selected contractor will be used to establish the time needed to provide required training, establish instructor qualifications and, identify required equipment and desirable training infrastructure. The final report will assist PWSRCAC in preparing bid documents required for the next Symposium it holds.

Description of Requested Work.

Scope of Work. The scope of work shall include, but is not limited to the following:

- 1) Prepare an instruction syllabus for the *Alaska Marine Firefighter* standard that includes:
 - a. A course scope and sequence that meets NFPA 1005 and State of Alaska standards.
 - b. Detailed lesson plans and lesson objectives.
 - c. A time schedule and calendar needed for presenting the required instruction.
- 2) Research and develop a qualification standard to be used for selecting course instructors.
- 3) Prepare a complete list of all equipment needed to conduct the required training to meet the standard.
- 4) Identify training infrastructure that should be considered in selecting a training location.

Schedule and Completion Date.

Award Announcement: August 30, 2018

Consultant will provide proposed completion dates in their proposal for interim tasks detailed in their scope of work and submit a written report detailing task findings.

A final report will be submitted that encompasses all findings developed in the project effort and detail recommendations from the Consultant on how this information could best be utilized to conduct an *Alaska Marine Firefighter* course of study.

2. GENERAL REQUIREMENTS

PWSRCAC Costs. PWSRCAC is not liable for any costs incurred by the proposer during the proposal preparation.

Single Point of Contact. The contractor will designate one person as the project manager and point of contact with PWSRCAC. In the case of multiple investigators, one shall be designated as the lead to serve as the project manager and point of contact.

Subcontracts. Proposers may subcontract minor portions of the contract. However, the proposer must have the major elements of expertise in house and demonstrate the ability to manage the subcontractor.

Schedule. Progress reports shall be submitted to the contract manager upon completion of each phase described in the scope of work. At a minimum, progress reports shall include:

- a. An introduction;
- b. An overview of progress to date;
- c. Identification of any difficulties encountered in accomplishing the work;
- d. A schedule for completion of the remaining tasks; and
- e. Specific recommendations concerning the matters addressed.

Final Report. The contractor shall submit a written final report. The final written report shall include an executive summary and be of a professional quality suitable for release.

The Final report must be submitted in an electronic file in PC format in MSWord, and data in Excel or Access. In addition, the final report shall be submitted in a portable document format (pdf) version optimized for web viewing and created directly from the authoring application using Adobe Acrobat 7.0 or later. Project maps, photos or other graphics shall be included as part of the digital submittal in a

common graphic format. Any data or collection of information resulting from work done under the contract is the property of PWSRCAC and shall be submitted in Microsoft Access or Excel to PWSRCAC.

Oral Report. The contractor may be asked to deliver an oral presentation at a council meeting upon completion of the work.

Final Payment. A portion of the total payment to the contractor will be withheld until all requirements are met. No interest will be paid on any withheld payments.

3. REQUIRED PROPOSAL CONTENTS

Any submitted proposal shall include the following as appropriate to the requirements of the scope of work:

Cover Sheet.

- Name, address, telephone number and facsimile number of proposer.
- RFP Title and Number
- Name of Principal Consultant(s)
- Cost of Proposal

Table of Contents. May include a list of Tables and Figures if appropriate.

Introduction. This section shall include the RFP title and number, brief general discussion of the problem and the proposed project. Scientific and technical terms shall be clearly defined and a list of pertinent enclosures included.

Goals and Deliverables. Describe how the proposer intends to address the specific goals and provide the deliverables of the work requested, as listed above.

Materials and Methods. Describe in detail the methods to be used and how they will produce the deliverables. Cite references and provide background information where applicable and as needed.

Project Duration and Work Schedule. Describe the schedule in which the proposed work will be completed. Include specific milestones, work phase completion dates and the timing of progress reports. Indicate what will be achieved by the completion of each milestone or phase of work.

Management Scheme. Clearly describe how the work will be managed including the role of each key individual expected to be involved in the work. Provide names and resumes of each. This section should also include information on how the scope, time and costs of the project will be controlled.

Budget. Include information about the total costs (cited in U.S. Dollars), professional fees, expenses and contingencies. In case of overhead rates or administrative fees, give percent of direct personnel cost. Provide a breakdown of hours per individual and rates per individual. If subcontractors are used, indicate the percentage of work to be performed by each subcontractor with respect to the entire proposed scope of work.

Consultant/Contractual Services. Indicate if, how, and why a subcontractor will be used for any portion of the work.

Logistics and On-Site Visits. Describe logistics and schedules for all travel in conjunction with the proposed work.

Statement of Qualifications. Describe, relevant to the proposed work, previous work experience, related technical accomplishments and educational background of each of the principal investigators and subcontractors, if used. If multiple investigators are involved, describe the role of each individual.

References. The names, contact persons, and telephone numbers of firms for which the respondent recently performed services shall be included. A minimum of three such references is suggested.

Conflict of Interest. Describe all financial, business or personal ties contractor has to Alyeska Pipeline Service Company or members of the Alyeska consortium, excluding normal commercial purchases of petroleum products.

4. SUBMITTAL AND EVALUATION PROCESS

- A. Evaluation Criteria.** Proposals will be evaluated based on, but not limited to, the following:
- 1) **Proposal Format.** Does the proposal follow the requested format?
 - 2) **Proposed Scope of Work.** Does the proposal clearly address the requested scope of work?
 - 3) **Technical Approach.** Is the proposed approach to the scope of work technically feasible?
 - 4) **Qualifications.** Does the principal investigator possess expertise and experience to assure successful completion of the scope of work?
 - 5) **Management Scheme.** Will the proposed management scheme reasonably lead to successful development of the deliverables?
 - 6) **Schedule.** Is the proposed schedule for completion of the scope of work in accordance with the requested project duration and schedule?
 - 7) **Deliverables.** Are the proposed deliverables in accordance with the deliverables requested in the scope of work?
 - 8) **References and Conflicts of Interest.** Does a reference check indicate proposer has the potential to successfully complete the proposed scope of work? If conflicts of interest are stated, are they sufficiently relevant to preclude an offer to perform the work for PWSRCAC?
 - 9) **Budget and Cost Justification.** Is the budget reasonable and adequate for the work proposed? Does the budget provide good value for the funds requested?
- B. Contract Award.** The successful proposal will be the one that, in PWSRCAC sole opinion, best meets the needs as outlined in this RFP. In the event that PWSRCAC determines that no proposal completely meets all of the needs as outlined in the RFP, PWSRCAC shall have the option not to accept any proposal or enter into any contract whatsoever. In the alternative, PWSRCAC may select the

proposal or proposals that, in its sole view, most nearly conform to its needs as outlined in this RFP; and then negotiate directly with that contractor to refine the proposal to achieve a contract that fully satisfies PWSRCAC's needs.

C. Professional Services Contract. A copy of PWSRCAC's standard professional services contract form can be found at http://www.pwsrcac.org/wp-content/uploads/filebase/newsroom/rfps/professional_services_agreement.pdf or can be made available upon request.

D. PWSRCAC Information. The following information about PWSRCAC is available upon request to the project manager:

PWSRCAC/Alyeska Contract

PWSRCAC Bylaws

PWSRCAC Observer Newsletter

PWSRCAC Brochure

PWSRCAC Annual Report

E. References.

- State of Alaska Marine Firefighter Practical Skill Evaluation Packet (Attached)
- State of Alaska Land-Based Marine Firefighter Training Record (Attached)
- NFPA 1005 *Standard for Professional Qualifications for Marine Fire Fighting for Land-based Fire Fighters*, 2014 Edition
- Text IFSTA, *Marine Firefighting for Land-Based Firefighters*, 2nd Edition
- *Fire Service Instructor Principles and Practice* 2nd ed. (Jones and Bartlett) ISBN: 9781449670832



MARINE FIREFIGHTING FOR LAND-BASED FIREFIGHTERS

PRACTICAL SKILLS CERTIFICATION EVALUATION PACKET (NFPA Standard 1005, 2014 Edition)

**Department of Public Safety
Alaska Fire Standards Council
5700 E. Tudor Road
Anchorage, Alaska 99507
(907)269-5052**

www.firestandards.alaska.gov

April 2017

V14-0

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

MARINE FIREFIGHTER PRACTICAL SKILLS CORRELATION MATRIX (NFPA 1005, 2014 Edition)			
2014 Skill Sheet	NFPA Section	Tasks	Certification JPR Requirement: Mandatory Random
		DESCRIPTION: 4.1 General	
1	4.1.3	Board Vessel according to procedures and transfer personnel and equipment safely	
1	4.1.4	Retrieve vessel control plan	
		DESCRIPTION: 4.2 Access	
1	4.2.1	Identify a specific location on a vessel	
2	4.2.2	Identify onboard vessel fixed fire suppression systems	
		DESCRIPTION: 4.3 Response	
3	4.3.1	Establish connections to water supply	
4	4.3.2	Protect exposure at a marine fire incident	
	4.3.3	Access fire compartment as a team	
5	4.3.4	Collect and report vessel stability	
		DESCRIPTION: 4.4 COMMUNICATION	
6	4.4.1	Transmit and receive messages	
7	4.4.2	Locate a marine representative	
	4.4.3	Retrieve vessel control plan	
	4.4.4	Transmit and receive messages	
8	4.4.5	Controls access and manage accountability	
8	4.4.6	Evacuate Vessel	
		DESCRIPTION: 4.5 FIRE CONTROL	
9	4.5.1	Ventilate smoke from a vessel	
9	4.5.2	Monitor Fire conditions on a vessel	
9	4.5.3	Remove water from a vessel as a team member	
10	4.5.4	Attack a fire on vessel as a team member	
11	4.5.5	Conduct Search and rescue	
12	4.5.6	Assist in deploying extinguishing agents	
		Marine Firefighter Equipment List	
		Marine Firefighter Facility List	

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Purpose of the Skill Sheets

All skills listed in this packet are consistent with the 2014 Edition of the [NFPA 1005 Standard for Professional Qualifications for Marine Firefighting for Land-Based Firefighters](#). The Alaska Fire Standards Council (AFSC) provides these skill sheets as the basis for Marine Firefighter testing and certification. For certification purposes, the final skill examination will consist of a series of mandatory skill stations and a selection of random skills from this packet.

Description & Use

1. These skills sheets are designed for use by the Training Officer and Marine Firefighter candidate. Use of this packet throughout a training program will assist in verifying candidate competency and completion of the Marine Firefighter Training Record.
2. For eligibility to complete the final certification examination, a candidate must demonstrate competency in all skills during training and satisfactorily compete all items on the training record document.
3. This packet is designed to encompass the requisite skills for Marine Firefighter and many of these skill sheets are used for final testing and certification. Accreditation Managers/Training Officers and Marine Firefighter course instructors should utilize this evaluation packet during a course to prepare candidates for the certification exam. For a candidate's final skills evaluation, she or he must successfully perform each skill while being evaluated on performance competency by an AFSC examination representative.
4. The final skills examination will consist of skills selected from this packet. Skills are selected from the mandatory and random skills categories. This packet contains a list of all mandatory and randomly selected skills that are used for the final examination. Random skill stations will be selected using a test management system within the AFSC office. The random skill stations are selected just prior to the test date.
5. The Certifying Officer will notify candidates which skills they will be required to complete at the start of the practical skills portion on the date of the examination.
6. The completion of the Marine Firefighter Training Record establishes a candidate's eligibility to test. This document must be fully completed and signed by the Accreditation Manager/Training Officer or designee for each candidate before a candidate can begin the final skills examination. The Marine Firefighter Training Record and the practical skills evaluation sheets shall become a permanent part of the candidate's local training record, and this information shall be kept on file in accordance with local fire department procedures.

Grading Criteria

1. It is expected that all of the listed skill sheet elements will be taught and evaluated by the Marine Firefighter instructor throughout a course. During the final skills exam the candidate must be prepared to perform all the skills listed in this packet. There are no specific critical points designated within the practical skill sheets, and the Certifying Officer (CO) will require the candidate to repeat an individual practical skill station if *all* of the listed skill items on a selected sheet are not completed by the candidate.
2. This packet contains skill requirements that involve the demonstration of airport firefighting skills within "simulated" fire scenarios related to fire ground activities. When applicable, skill sheets specifically describe when simulated fire conditions are permitted for certification testing.
3. During the final there are critical performance items that must be followed for satisfactory performance. Examples of unsatisfactory performance can include:
 - a. Exceeding limitations: time, safety, and equipment limitations
 - b. Inadequate/insufficient personal protective equipment
 - c. Lack of skill accuracy and task completion as defined on the skill evaluation sheet
 - d. Poor judgment in skill performance (i.e.- wrong application of tool or equipment or safety violation)
 - e. Failure to appropriately apply basic fire fighting knowledge
 - f. Not competent in the specified task or skill steps
 - g. Outcome of the specified task is in doubt (i.e.- incorrectly performed or did not accomplish skill evaluation criteria)
 - h. Need for Evaluator intervention (i.e.- imminent health or safety risk to candidate or others)

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

- i. Failure to adhere to basic safety principles or guidelines

Artificialities of Training and Testing

Training and testing at this level can only approximate on the job activities of an Marine Firefighter. There are certain artificialities to training and testing that the candidate must adapt to. Candidates must be aware that actual fire ground situations cannot be completely duplicated during final examination scenarios. For the best possible outcome during final skills examination, Marine Firefighter instructors must prepare the candidates to competently perform the skills listed in this packet throughout a training course.

Final Skills Evaluation

The AFSC designated Certifying Officer (CO) conducts the final evaluation and utilizes the practical skills evaluation sheets during the final examination process. Throughout the final examination, the CO has the overall test site authority and is required to perform his or her duties as outlined in the [Certification Policy Manual](#).

For preparation of the final examination the designated CO must coordinate with the Test Site Coordinator to ensure an adequate test site location is available. The Test Site Coordinator is responsible for preparation of all test site equipment/materials and arranging designated evaluators for the date of the practical examination.

The CO must verify that all required elements are adequate for testing and will approve all designated Evaluators. Designated Evaluators shall receive training appropriate for the test site and are required to complete an [Evaluator Code of Ethics Compliance](#) agreement before testing begins.

The CO shall verify completion of the final examination packet, and the packet will be attached to the Marine Firefighter Training Record as part of the candidate's permanent local training record.

Prerequisite Certification Requirements

For eligibility to certify at the Marine Firefighter level, candidates must have the following:

- *AFSC Firefighter II certification
- AFSC Hazardous Materials Operations

* *The AFSC records must contain documentation that the FFI and HMO requirements were met.*

Additional Notes:

1. During the final practical examination it is expected that an appropriate uniform, or full personal protective equipment (PPE), shall be worn unless otherwise indicated within the skill evaluation sheet.
2. During some scenarios a candidate may be instructed to perform other Marine Firefighter tasks not directly related to the specific skill sheet evaluation being tested. It is expected that the candidate shall perform all related skills correctly.
3. Some skills may include a time limit. An Evaluator may use a digital or analog watch/stopwatch for final skills evaluation. Prior to the start of the practical examination, the CO must inspect and approve all timing devices used during final skills evaluations.
4. Some skills require that equipment or documentation be used within the final skills examination. Unless otherwise indicated, it is permissible for the candidate to prepare or assemble the required equipment or paperwork at any time, provided that this does not interfere with the core skill, task, or evolution.
5. Candidates must be prepared to complete skills under a variety of conditions. Training and skills practice is often done during optimum conditions, but candidates must be prepared to adapt to changing conditions that can occur in actual fire ground situations. The Evaluator ultimately determines if the candidate has met the criteria specified on the skill(s) being evaluated.
6. For final examination, the performance of a skill, task, or evolution is not required to be done in the exact order of the steps (as outlined on the skill sheet), unless it is critical to a particular task. For example, a person must don turnout gear before donning an SCBA.
7. Some scenarios may involve skills that must be performed as a team. During final skills examinations Evaluators and candidates must be cognizant that each team member is evaluated separately to ensure

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

individual criteria is met. An individual candidate may be required to repeat a task if they do not satisfy the skill sheet requirements if working as a member of a team.

8. Some skills may require that a candidate verbalizes information about a particular task or procedure. In such cases, any question(s) from the Evaluator to the candidate must be limited to those that satisfy the criteria listed on the skill sheet, and a question cannot exceed the scope the Marine Firefighter requirements.

Marine Land-Based Firefighter Final Written and Practical Examinations

Following is a brief outline of the reference materials and documents that are used for a Marine Firefighter final examination:

Marine Firefighter Written Material References

- a. NFPA 1005 *Standard for Professional Qualifications for Marine Fire Fighting for Land-based Fire Fighters*, 2014 Edition
- b. Text/Curriculum
 - IFSTA, *Marine Firefighting for Land-Based Firefighters*, 2nd Edition

Marine Firefighter Practical Skills Evaluation References

- a. NFPA 1005 *Standard for Professional Qualifications for Marine Firefighting for Land-Based Marine Firefighters*, 2014 Edition
- b. Maine Firefighter Practical Skills Evaluation Sheets (*this packet*)

Final Examination Steps

- a. Marine Firefighter Training Record review (*this must be completed and signed off by the Accreditation Manager/Training Officer or designee prior to the date of the final examination and reviewed by the CO to ensure all elements are complete.*)
- b. Certifying Officer reviews and signs candidate Application for Certification
- c. Candidate completes the written examination administered by the CO
- d. Candidate completes the practical examination administered by the CO.
- e. Certifying Officer reviews completed Evaluator skill sheets and transfers information to the [Practical Examination Reporting Form](#) (PERF)
- f. Written exam, PERF, and signed application are forwarded to AFSC.
- g. AFSC Marine Firefighter certificate is issued upon successful completion of the written and practical exam (*within approximately 45 days of final application submittal and fee receipt*)

**Note: The candidate's completed Training Record and signed Final Examination skill sheets shall be kept on file in accordance with local fire department procedures.*

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 1

STANDARD: NFPA 1005: 4.1.3, 4.1.4, 4.2.1	GENERAL SKILL: Board a Vessel/ Retrieve Documents
TASK: Board a vessel so that the hazards are accessed, 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 and retrieve vessel control plan.	
PERFORMANCE OUTCOME: The candidate shall board a vessel, assess the hazards, position and secure the access device according to procedures, and ensure that the personnel and equipment are transferred to the vessel safely and the fire control plan is located and retrieved.	
EQUIPMENT: Vessel, vessel plan, personal protective equipment, fire department ground ladder, gangway, and other access devices	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Identify and assess hazards	<input type="checkbox"/>					
2.	Locate access points	<input type="checkbox"/>					
3.	Correctly negotiates gangways, ladders, doors and hatches	<input type="checkbox"/>					
4.	Correctly secure all access devices	<input type="checkbox"/>					
5.	Transfer personnel and equipment to the vessel safely	<input type="checkbox"/>					
6.	Recognizes and retrieves Fire Control Plan	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 2

STANDARD: NFPA 1005: 4.2.2	GENERAL SKILL: Fixed Fire Suppression System
TASK: The Candidate, given an assignment, standard operating procedures and communications equipment shall identify onboard vessel fixed fire suppression systems so that the system can be activated or shut down when requested by the Incident Commander.	
PERFORMANCE OUTCOME:	
EQUIPMENT: Vessel, vessel plan, personal protective equipment, fire department ground ladder, gangway, other access devices, and various hand tools.	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Recognizes and understands fire suppression system controls	<input type="checkbox"/>					
2.	Operates communication systems in the fire suppression system control room	<input type="checkbox"/>					
3.	Operates the fire suppression system at the appropriate time	<input type="checkbox"/>					
4.	Takes precautions after suppression systems have been activated	<input type="checkbox"/>					
5.	Recognizes the International Shore Connection	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 3

STANDARD: NFPA 1005: 4.3.1	GENERAL SKILL: Establish Connections for Water Supply
TASK: Establish connections for the water supply at an incident so that uninterrupted supply of water is established and all of the hoses are connected and positioned according to procedures.	
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to connect hoses to fire boats and vessel inlets, place hard intake hoses over docks edges or other drafting locations, and stretch supply hoses to the vessel.	
EQUIPMENT: Fire apparatus, hard suction hose, supply hose, hose adaptors, static or pressurized water supply, a vessel, International Shore Connections, other fittings, and standard operating guidelines.	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Deploy hose from water supply to fire engine (static or pressurized))	<input type="checkbox"/>					
2.	Connect all supply hose (at source, hose to hose, and hose to engine)	<input type="checkbox"/>					
3.	Deploy attack lines from engine to vessel	<input type="checkbox"/>					
4.	Ensure discharge connections are made (may include International Shore Connections)	<input type="checkbox"/>					
5.	Conduct all activities safely	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:	
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_____ *Certifying Officer Name*

_____ *Date*

_____ *Certifying Officer Signature*

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 4

STANDARD: NFPA 1005: 4.3.2	GENERAL SKILL: Protect Exposures
TASK: The candidate shall protect an exposure at a marine incident as a member of a team so that the apparatus and equipment are positioned and deployed according to procedures and the exposure is protected.	
PERFORMANCE OUTCOME: The candidate shall connect hoses and apparatus to marine facility water supply sources and deploy hoses and nozzles for exposure protections within a marine facility or vessel.	
EQUIPMENT: Personal protective equipment, fire apparatus hoses, nozzles, radios, and a water source	
CONDITIONS: Given an assignment as a member of a team, the candidate shall	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Correctly position the apparatus and equipment	<input type="checkbox"/>					
2.	Correctly deploy hose lines and nozzles	<input type="checkbox"/>					
3.	Correctly connect hoses to water supply and discharges	<input type="checkbox"/>					
3.	Discharge water to effectively protect an exposure	<input type="checkbox"/>					
4.	Conduct all activities safely	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 5

STANDARD: NFPA 1005: 4.3.4	GENERAL SKILL: Collect and Report Stability Information
TASK: The candidate collect and report vessel stability information so that any current or potential hazards to stability are recognized and reported according to procedures.	
PERFORMANCE OUTCOME: Show the ability to visually determine stability indicators using marks on board the vessel or measuring devices, record and report relevant information.	
EQUIPMENT: Paper, pencil, measuring device, knowledge of the location of vessels inclinometer(s), radios.	
CONDITIONS: Given an assignment, and as a member of a team, determine the stability of a vessel in the water, using marks on vessel, inclinometers, and/or measuring devices	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Locate, read, and record the water level from draft marks or a measuring device	<input type="checkbox"/>					
2.	Determine if heel, list, hogging, or sagging are occurring and will threaten access or firefighting efforts	<input type="checkbox"/>					
3.	Determine if existing sea conditions, currents, tide, or wakes will threaten access or firefighting efforts	<input type="checkbox"/>					
4.	Report findings	<input type="checkbox"/>					
5.	Conduct all activities safely	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 6

STANDARD: NFPA 1005: 4.4.1, 4.4.4	GENERAL SKILL: Transmit/Receive Messages
TASK: Send and receive messages on marine facility and vessel communication equipment following federal, state, and local regulations.	
PERFORMANCE OUTCOME: Send and receive messages on marine facility communication equipment. Send and receive messages on vessel communications systems and on a marine band radio frequency using VHF or UHF band radio	
EQUIPMENT: Facility communications equipment (such as a dedicated telephone system), a communication system designed to be used specifically on board a vessel like a sound powered phone system, and VHF and/or UHF radio equipment	
CONDITIONS: Given an assignment, a message, selected equipment the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Operate a VHF/UHF to send and receive a message	<input type="checkbox"/>					
2.	Operate designated vessel communications equipment, (i.e a sound powered phone) to send and receive a message	<input type="checkbox"/>					
3.	Operate facility communications equipment to send and receive a message	<input type="checkbox"/>					
4.	Maintain vessel, local, and facility operating rules and regulations	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF-7

STANDARD: NFPA 1005: 4.4.2	GENERAL SKILL: Locate Vessel or Facility Representative
TASK: Locate a facility or vessel representative so that a line of communication is established between the fire department and the facility or vessel representative.	
PERFORMANCE OUTCOME: Operate marine facility and vessel communications equipment, board a vessel, negotiate or travel through the facility or vessel.	
EQUIPMENT: Fire Control Plans, maps of the facility, radios, crewmember or shore side employee as a guide, note pad and pencil	
CONDITIONS: Given a marine facility or vessel the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Negotiate corridors, ladders, and stairs throughout the facility or vessel	<input type="checkbox"/>					
2.	Locate and use communications systems used in the facility or vessel	<input type="checkbox"/>					
3.	Connect the representative with the Incident Commander through communication systems or directly	<input type="checkbox"/>					
4.	Conduct all activities safely	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 8

STANDARD: NFPA 1005: 4.4.5, 4.4.6	GENERAL SKILL: Evacuate Vessel/ Accountability
TASK: The Candidate, given an occupied vessel, an accountability system and response personnel, will control access to a marine vessel, account for emergency responders and will evacuate the marine vessel so that all personnel and passengers are removed from the hazard area to an area of refuge.	
PERFORMANCE OUTCOME:	
EQUIPMENT:	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Determines need for evacuation	<input type="checkbox"/>					
2.	Locates marine representative	<input type="checkbox"/>					
3.	Establishes accountability system	<input type="checkbox"/>					
4.	Controls and directs passenger movement	<input type="checkbox"/>					
5.	Accounts that personnel have been removed from hazardous area	<input type="checkbox"/>					
6.	Uses accountability system	<input type="checkbox"/>					
7.	? passengers	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

Certifying Officer Name

Date

Certifying Officer Signature

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 9

STANDARD: NFPA 1005: 4.5.1, 4.5.2, 4.5.3	GENERAL SKILL: Ventilate smoke/Monitor Fire Conditions/ Removes Water
TASK: The Candidate, given a vessel, an incident, will monitor fire conditions, ventilate smoke from a vessel so that a specified ventilation opening is created and the smoke is removed and dewater vessel as appropriate	
PERFORMANCE OUTCOME:	
EQUIPMENT: PPE and ventilation equipment	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Monitor fire conditions throughout evolution	<input type="checkbox"/>					
2.	Opens doors and hatches to prevent fire extension or unsafe conditions	<input type="checkbox"/>					
3.	Safely transports and deploys ventilation equipment	<input type="checkbox"/>					
4.	Secures ventilation openings	<input type="checkbox"/>					
5.	Removes ventilation barriers	<input type="checkbox"/>					
6.	Correctly operates ventilation equipment	<input type="checkbox"/>					
7.	Operates dewatering equipment as necessary to remove water	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:	

_____ *Certifying Officer Name*

_____ *Date*

_____ *Certifying Officer Signature*

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 10

STANDARD: NFPA 1005: 4.5.4	GENERAL SKILL: Attack a fire on a vessel as a member of a team
TASK: The Candidate, given a marine vessel, an assignment, will attack a fire on a marine vessel so that vessel integrity is maintained, attack line is deployed, access is gained to the fire compartment, effective water practices are used and the fire is extinguished.	
PERFORMANCE OUTCOME:	
EQUIPMENT: water source, hose line, nozzle, PPE	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Uses appropriate PPE	<input type="checkbox"/>					
2.	Establishes water supply	<input type="checkbox"/>					
3.	Ensures appropriate hose, adapters and international shore connection	<input type="checkbox"/>					
4.	Advances charge and uncharged hose lines for fire attack -Up and down vessel stairs/ladders -Through corridors -Across decks	<input type="checkbox"/>					
5.	Correctly operates fire streams	<input type="checkbox"/>					
6.	Extinguishes fire	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 11

STANDARD: NFPA 1005: 4.5.5	GENERAL SKILL: Conduct Search and Rescue
TASK: The Candidate, given a vessel, an incident, will conduct a search and rescue operation for a missing person on a vessel so that the person is located and removed.	
PERFORMANCE OUTCOME:	
EQUIPMENT: PPE, Fire Control Plan, Forcible Entry Tools	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Uses appropriate PPE	<input type="checkbox"/>					
2.	Searches vessel for missing person	<input type="checkbox"/>					
3.	Accesses remote or enclosed compartments	<input type="checkbox"/>					
4.	Uses forcible entry tools as necessary	<input type="checkbox"/>					
5.	Locates missing person	<input type="checkbox"/>					
6.	Removes victim	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1005- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

MFF- 12

STANDARD: NFPA 1005: 4.5.6	GENERAL SKILL: Assist in deploying extinguishing agent
TASK: The Candidate, given a vessel, an incident, will assist in deploying extinguishing agents, other than water, so that the agent is applied effectively.	
PERFORMANCE OUTCOME:	
EQUIPMENT: PPE, extinguishing agents and application equipment	
CONDITIONS: Given an assignment as a member of a team the candidate shall:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Uses appropriate PPE	<input type="checkbox"/>					
2.	Reads cargo manifests and extinguishing agent technical information	<input type="checkbox"/>					
3.	Locates and describes the operation of the vessels fixed fire protection system	<input type="checkbox"/>					
4.	Selects appropriate agent and application equipment	<input type="checkbox"/>					
5.	Deploys and operates extinguishing equipment and agent	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	
Comments:			

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

MARINE FIREFIGHTER PRACTICAL SKILLS CORRELATION MAP					
CORE JOB PERFORMANCE CERTIFICATION REQUIREMENTS					
(NFPA 1005, 2014 Edition)					
Skill Sheet #	NFPA Section-	Tasks	Certification Requirements: - **Conduct Locally - Mandatory - Random	Comments	
Practical Skills Evaluated at Local Level: <i>Pre-Examination Requirements</i>					
Mandatory Practical Skills: <i>Final Examination Requirement</i>					
Type 1 Random Practical Skills: <i>One Selected for Final Examination Requirement</i>					
Type 2 Random Practical Skills: <i>One Selected for Final Examination Requirement</i>					

**Local verification shall be completed within the XYZ Firefighter candidate’s department, or during an XYZ firefighter course, and skills check off shall be evaluated by a Chief Officer, Training Officer, or Lead Instructor with a final review signature by the Marine Firefighter Lead Instructor.

ALASKA MARINE FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

MARINE FIREFIGHTER REQUIRED EQUIPMENT			Related Skill Sheet(s)
<input type="checkbox"/>	1	AHJ forms/reports (including budget request forms, preplan forms, other special reports)	
<input type="checkbox"/>	2	Appropriate personnel protective equipment	
<input type="checkbox"/>	3	Barricades/scene tape/rope (traffic cones/pylons, marking ribbon, etc.)	
<input type="checkbox"/>	4	Camera/video device,	
<input type="checkbox"/>	5	<u>NFPA 1021: Standard for Fire Officer Professional Qualifications, 2014 edition</u>	
<input type="checkbox"/>	6	<u>NFPA 1500:Standards on Occupational Safety and Health Program</u>	
<input type="checkbox"/>	7	Notebook/clipboard or computer	
<input type="checkbox"/>	8	Organization chart	
<input type="checkbox"/>	9	Organization mission statement	
<input type="checkbox"/>	10	Radio unit	
<input type="checkbox"/>	11	Records management system	
<input type="checkbox"/>	12	Standard Operating Procedures (SOP)/Standard Operating Guidelines (SOG)	
<input type="checkbox"/>			
<input type="checkbox"/>			

MARINE FIREFIGHTER REQUIRED FACILITY			Related Skill Sheet(s)
<input type="checkbox"/>	1	Commercial structure for conducting a fire inspection	
<input type="checkbox"/>	2	Fire pumper apparatus: <ul style="list-style-type: none"> • Equipped with appropriate safety restraints (seatbelts) • Water tank • Pumping system 	
<input type="checkbox"/>	3	Fire Station/bay	
<input type="checkbox"/>	4	Fire Training Structure	
<input type="checkbox"/>	5	Office or administrative work space	
<input type="checkbox"/>			
<input type="checkbox"/>			

ALASKA LAND-BASED MARINE FIREFIGHTER TRAINING RECORD



**ALASKA FIRE
STANDARDS COUNCIL**
MARINE FIREFIGHTING FOR LAND-
ASED FIREFIGHTER TRAINING RECORD

Candidate Name: _____	ID# _____
Training Officer: _____	Completion Date: _____

NFPA Land-Based Marine Firefighter

NFPA 1005 2014	DESCRIPTION	(A) Know- ledge Req.	Review Date (Knowl- edge)	(B) Skill Req. (AFSC Sheet #)	Evaluation Date (Skills)	Comments	Trng Offer/ Instr. Initial
4.1 General Requirements							
4.1.1	Knowledge of marine vessel types and potential products on vessels	*YES		NA	NA		
4.1.2	Knowledge of vessel construction and terminology	*YES		NA	NA		
4.1.3	Board a vessel according to procedures, and transfer personnel and equipment safely	*YES		MFF 1			
4.1.4	Retrieve Vessel Control Plan	*YES		MFF 1			
4.2 Access							
4.2.1	Identify a specified location on a vessel			MFF 1			
4.2.2	Identify onboard vessel fixed fire suppression systems	*YES		MFF 2			
4.3 Response							
4.3.1	Establish connections for the water supply	*YES		MFF 3			
4.3.2	Protect an exposure at a marine fire incident	*YES		MFF 4			
4.3.3	Access fire compartment as a team	*YES			MFF 1?		
4.3.4	Collect and report vessel stability information			MFF 5			
4.4 Communications							
4.4.1	Transmit and receive messages	*YES		MFF 6			
4.4.2	Locate marine representative	*YES		MFF 7			
4.4.3	Retrieve vessel control plan	*YES			MFF 1(?)		
4.4.4	Transmit and receive messages				MFF 6		
4.4.5	Controls access and manage accountability	*YES		MFF 8			
4.4.6	Evacuate vessel or exposure			MFF 8			
4.5.6	Assist in deploying extinguishing agents	*YES		MFF 12		Evacuate vessel	

ALASKA LAND-BASED MARINE FIREFIGHTER TRAINING RECORD

4.5 Fire Control							
4.5.1	Ventilate smoke from a vessel	*YES		MFF 9			
4.5.2	Monitor fire conditions on vessel	*YES		MFF 9			
4.5.3	Remove water from a vessel as team member	*YES		MFF 9			
4.5.4	Attack a fire on a vessel as a member of a team	*YES		MFF 10			
4.5.5	Conduct search and rescue	*YES		MFF 11			

NFPA MARINE FIREFIGHTER PREREQUISITE REQUIREMENTS								
NFPA Certificate Level	DESCRIPTION	Knowledge Req.	Review Date (Knowledge)	Skill Req. (AFSC Sheet #)	Qualification Date (Skills)	Date Verified	Comments	Trng Officer/ Instr. Initial
**ASFC Firefighter I				AFSC Certificate				
**ASFC Firefighter II certificate				AFSC Certificate				
**ASFC Hazardous Materials Awareness/Operations level certificate				AFSC Certificate				

AFSC PREREQUISITE MARINE FIREFIGHTER CERTIFICATION REQUIREMENTS						
	***Driver's License		Age	Date Verified	Comments	Trng Officer/ Instr. Initial
	State of Issue	Number				
Must be 18 years old to test for certification						

- * Denotes knowledge comprehension requirement for written component of certification examination
- ** For verification purposes, all certificates must be issued through the Alaska Fire Standards Council office
- *** AK Driver's license or other form of state ID must be presented to verify age of individual