

## **SURFACE WATER RESCUE TECHNICIAN**

### **SKILL MENU**

#### **Technician I & II**

A	SITE SURVEY AND PPE	RANDOM
B	IN WATER SWIM AND PPE	MANDATORY
C	WATER BOUND VICTIM SEARCH AND RESCUE	RANDOM
D	SHORE BASED RESCUE	MANDATORY
E	WATERCRAFT EXERCISE	MANDATORY
F	WATER TO WATERCRAFT VICTIM RESCUE	RANDOM
G	WATER BASED RESCUE	MANDATORY
H	HIGHLINE SYSTEM OPERATION	RANDOM
I	HELICOPTER LANDING ZONE	RANDOM

#### **Technician II**

G	WATER BASED RESCUE	MANDATORY
J	SUPERVISE AND LEAD A RESCUE TEAM	MANDATORY



## Surface Water Rescue Technician

<b>Station A: Site Survey &amp; PPE</b> Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Random Station: JPR 11.1.1, 11.1.2, 11.1.15</b>	<b>Date:</b>	<b>Candidate #</b>
	<b>Site:</b>	

**Directions:** Given an assortment of reference materials and PPE the candidate will perform a scene survey and identify, don and doff appropriate PPE based on the site survey.

**Performance Outcome:** Pass/ Fail will be determined by 7 of the 7 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1.	Evaluates site condition and able to interpret reference materials				
2.	Identifies, don & doff appropriate PPE __ Personal Flotation Devices __ Water Rescue Helmet __ In water insulation garment				
3.	Identifies rescue specific PPE and specialized equipment needed: __ Personal Flotation Devices __ In water insulating garment				
4.	Proficiency in emergency escape procedures				
5.	Proficiency in communicating distress signals				
6.	Identifies/anticipates victim behavior and movement				
7.	Complete risk – benefit analysis				
	<b>Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)</b>				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_

**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station B: In Water Swimming &amp; PPE</b> Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Mandatory Station:</b> JPR 11.1.2, 11.1.3, 11.1.12, 11.1.13, 11.2.1, 11.2.2	<b>Date:</b>	<b>Candidate #</b>
	<b>Site:</b>	

**Directions:** Given a water rescue assignment and a course that is representative of the bodies of water existing or anticipated within the geographic confines of the AHJ, select and utilize the appropriate PPE, swim a designated water course and perform a single person crossing while continually assessing hazards and utilizing a communication system.

**Performance Outcome:** Pass/ Fail will be determined by 9 of the 11 items being preformed correctly

**Note:** Tasks must be performed in a controlled environment; an indoor/outdoor swimming pool

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1.</b>	The ability to select personal flotation devices				
<b>2.</b>	Don and doff personal flotation devices				
<b>3</b>	Selects appropriate PPE a. helmet b. in water insulating garments				
<b>4</b>	Don and Doff PPE a. helmet b. in water insulating garments				
<b>5</b>	Proficiency in communicating distress signals a. hand and whistle signals for Help, OK, Attention				
<b>6</b>	Proficiency in emergency escape procedures				
<b>7</b>	Applies water survival skills a. demonstrates "HELP" position, explains use of b. demonstrates "HUDDLE" position, explains use of				

**Continued on reverse side**

<b>8</b>	The ability to swim and float in different water conditions with and without flotation aids or swimming aids (as required) a. demonstrates correct process for entering water environment b. swim 50 yards from designated point A to point B and back c. treads water or float in water for 5 minutes				
<b>9</b>	Utilize communications systems				
<b>10</b>	Evaluate water conditions to identify entry points and hazards				
<b>11</b>	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_  
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**Re-Test Evaluator Signature:** \_\_\_\_\_

**Scenario:** (Water Rescue Assignment) You are dispatched to a water rescue at a local waterway. As a responder you must be able to identify the hazards and select, don and doff appropriate PPE for that specific water rescue. While swimming a designated water course the rescuer must be proficient in demonstrating water survival skills while utilizing appropriate communication system.



## Surface Water Rescue Technician

<b>Station C:</b> Water Bound Victim Search and Rescue Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Random Station</b> JPR's 11.1.4, 11.1.5, 11.1.11, 11.1.15	<b>Date:</b>	<b>Candidate #</b>
	<b>Site:</b>	

**Directions:** Utilizing the policies and procedures of the AHJ, develop an action plan for a shore based rescue of a single, incapacitated water bound victim, Establish search parameters for a water rescue incident given topographical maps of a search area,, victim information and incident history are obtained from bystanders interview, environmental factors, an operational plan, water rescue and medical equipment. Extricate the victim from the water to the shore as a member of a team.

**Performance Outcome:** Pass/ Fail will be determined by 13 of the 13 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
1	The ability to read topographic maps				
2	Conducts a scene size up a. identifies hazards (risk-benefit analysis) b. identifies action plan c. identifies available resources (personnel and equipment) d. conduct witness interviews, last seen point can be determined				
3	Determine hydrology				
4	Identifies search strategy				
5	Identifies conditions used to define the search area				
6	Implements passive and active search techniques				
	<b>Victim Rescue</b>				
7	Dons appropriate PPE				
8	Evaluate water conditions and select appropriate entry/exit points				
9	Stabilizes victim's spine manually while in water				
10	Rolls victim from face down to face up position				
11	Properly positions and secures victim to a spinal stabilization and/or transfer device				
12	Completes incident report. Report is complete, accurate, legible				
13	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

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## Surface Water Rescue Technician

<b>Station D: Shore Based Rescue</b> Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Mandatory Station:</b> JPR's 11.1.6 11.1.7	<b>Date:</b>  <b>Site:</b>	<b>Candidate #</b>
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**Directions:** Utilizing the policies and procedures of the AHJ, deploy a water rescue rope to a water-bound victim, given a water rescue rope in a throw bag and personal protective equipment, so that no entanglement in throw line occurs and positive buoyancy for the victim and the rescuers is maintained,

**Performance Outcome:** Pass/ Fail will be determined by 6 of 6 the items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1</b>	Conducts a scene size up a. identifies hazards (upstream/downstream, current and tides) b. Risk-benefit analysis related to specific rescue c. identifies action plan d. identifies available resources (personnel and equipment)				
<b>2</b>	Selects and dons appropriate PPE specific to the water environment				
<b>3</b>	Demonstrate appropriate shore-based victim removal techniques a. use of floating line tether b. deployment of rope throw bag, deploys a minimum of 50 ft c. deployment of a coiled throw line				
<b>4</b>	Demonstrates retrieval of a victim using a throw bag, places rope over correct shoulder				
<b>5</b>	Predict victim behavior and movement				
<b>6</b>	Applies water survival skills: a. demonstrates defensive swimming posture for traveling downstream b. demonstrates offensive swimming posture to approach strainers, obstructions, victims in moving water and/or entering an eddy c. demonstrates the ferry-angle to cross moving bodies of water d. demonstrates a single person crossing				

**Continued on reverse side**

<b>7</b>	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

<b>PASS</b> _____	<b>PASS</b> _____
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<b>FAIL</b> _____	<b>FAIL</b> _____
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**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station E:</b> Watercraft Exercises Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Mandatory Station:</b> JPR 11.1.8, 11.1.10, 11.1.15	<b>Date:</b> _____ <hr/> <b>Site:</b> _____	<b>Candidate #</b> _____
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**Directions:** Utilizing the policies and procedures of the AHJ deploy a watercraft and negotiate a designated water course in the watercraft so that the watercraft is launched and recovered without damage or injury; trailers, conveyances, and support vehicles are utilized within the scope of their designed specifications; and the rescue effort is not delayed

**Performance Outcome:** Pass/ Fail will be determined by 13 of the 16 items being preformed correctly

**Evaluator Note:** Service has the ability to support vehicle operations with/without trailers/conveyances. Launch does not proceed if the watercraft is not adequate or incapable of operating in the existing condition. Distress signals are communicated if necessary.

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
	<b>Procedures for launching/recovering watercraft from the water</b>				
1	Conducts pre-deployment inspection of watercraft				
2	Conducts a pre-launch inspection				
3	Identifies components of watercraft provided				
4	Correctly performs cast off procedures				
5	Demonstrates maneuver for entering an eddy without power				
6	Demonstrates recovery maneuver for a power loss, procedure for re-starting motor when exiting eddy				
7	Movement is controlled				
	<b>Operation of watercraft conveyances</b>				
8	Conducts pre-deployment inspection of watercraft transport vehicle				
9	Correctly performs load/docking procedures				
10	Maneuvers backwards and forwards through obstacle course				
11	Maneuvers through obstacle course in a figure eight (serpentine)				
12	Demonstrates broaching or flipping of a boat				
13	Movement is controlled				
14	RIC was staged for deployment for watercraft crew				
15	Hazards were continually assessed				
16	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

PASS ____	PASS ____
FAIL ____	FAIL ____

**Continued on reverse side**

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station F:</b> Water to Watercraft Victim Rescue Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Random Station:</b> JPR 11.1.8, 11.1.11, 11.1.15	<b>Date:</b>	<b>Candidate #</b>
	<b>Site:</b>	

**Directions:** Given a watercraft, water rescue equipment and PPE, as a member of a team, use a parbuckling technique extricate an incapacitated water-bound victim from the water to the watercraft so that the watercraft is not broached, control of the watercraft is maintained, risks to victim and rescuers are minimized, and the victim is removed from the hazard.

**Performance Outcome:** Pass/ Fail will be determined by 5 of the 5 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
	<b>Rescue - Parbuckling Technique</b>				
<b>1</b>	Identifies need for par buckling rescue				
<b>2</b>	Correctly identifies equipment needed to perform par buckling rescue				
<b>3</b>	Predict victim behavior and movement and demonstrates approach to victim for potential par buckling rescue				
<b>4</b>	Demonstrates par buckling rescue of water bound victim				
<b>5</b>	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

<b>PASS</b> ____	<b>PASS</b> ____
<b>FAIL</b> ____	<b>FAIL</b> ____

**Evaluator Comments:** \_\_\_\_\_

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**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station G:</b> Water Based Rescue Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Mandatory Station</b> JPR, 11.1.11, 11.2.2, 11.2.3 (Tech level I & II)	<b>Date:</b>  <b>Site:</b>	<b>Candidate #</b>
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**Directions:** Perform a swimming surface water rescue, given water rescue equipment (swim aid, victim flotation aids, reach/extension devices) and PPE, so that victim contact is maintained, the rescuer maintains control of the victim, the rescuer and the victim reach safety at a predetermined area, and medical conditions and treatment options are considered.

**Performance Outcome:** Pass/ Fail will be determined by 7 of the 7 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1</b>	The ability to swim and float in different water conditions with and without flotation aids or swimming aids <ul style="list-style-type: none"> <li>a. applies water survival skills</li> <li>b. predict/movement and manages combative victim</li> <li>c. effectively releases oneself from the grasp of a panicked victim using block, releases and escapes</li> </ul>				
<b>2</b>	Evaluate water conditions and select appropriate entry/exit points and methods				
<b>3</b>	Selects, dons and doffs appropriate PPE				
<b>4</b>	Selects and uses flotation and/or swim aid appropriately				
<b>5</b>	Utilize communications systems				
<b>6</b>	Select equipment and techniques for treatment of aquatic medical emergencies				
	<b>A) Conscious Victim</b> *ABC's *Stabilizes victim's c-spine manually while in water *Identifies and treats life threatening injuries *Properly positions and secures victim to a spinal immobilization device *removes victim from water				

**Continued on reverse side**

	<b>B) Unconscious Victim</b> *ABC's *Stabilizes victim's c-spine manually while in water *Demonstrates turning of victim using the roll method *Identifies and treats life threatening injuries *Properly positions and secures victim to a spinal immobilization device *Removes victim from water				
<b>7</b>	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station H:</b> Highline System Operation Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Random Station:</b> JPR 11.1.11, 11.1.14	<b>Date:</b> _____	<b>Candidate #</b> _____
	<b>Site:</b> _____	

**Directions:** As a member of a team, given an established highline system, a load to be moved direct a team in operating a highline system, so that the movement is controlled, the load is held in place when needed, operating methods do not stress the system to the point of failure, personnel assignments are made and tasks are communicated, operational commands are communicated to personnel, and potential problems are identified, communicated, and managed.

**Performance Outcome:** Pass/ Fail will be determined by 5 of the 5 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1</b>	Conducts a scene size up a. identifies action plan b. identifies available resources (personnel and equipment) c. determines need for high line water rescue				
<b>2</b>	Complete a system safety check, evaluates for compromised integrity				
<b>3</b>	Manage movement of the load a. victim is secure into stokes basket b. basket is secured to high-line system c. victim is transported using high-line system				
<b>4</b>	Utilize communications systems				
<b>5</b>	Were all tasks performed in a <u>SAFE</u> manner? (NO INDICATES AUTOMATIC FAILURE)				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station I:</b> Helicopter Landing Zone Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Random Station</b> JPR 11.1.9, 11.1.15	<b>Date:</b> _____	<b>Candidate #</b> _____
	<b>Site:</b> _____	

**Directions:** Using a pre-determine site, applicable resources, and PPE, as a member of a team the candidate will package a patient for transport and establish a landing zone for a medical evacuation helicopter in accordance with local or jurisdictional protocol and communicate with the aircraft crew in an effective and efficient manner. Task must be accomplished without compromising air crew and ground personnel safety. Do you have any questions?

**Performance Outcome:** Pass/ Fail will be determined by 8 of the 10 items being performed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1</b>	Conducts a scene size up a. identifies hazards b. identifies available resources (personnel and equipment) c. identifies need for air operations				
<b>2</b>	Selects and Dons appropriate PPE				
<b>3</b>	Patient appropriate package for transport				
	<b>Establish and control landing zones</b>				
<b>4</b>	Selects appropriate site/area				
<b>5</b>	Identifies visible hazards				
<b>6</b>	Identifies fire protection needs				
<b>7</b>	Corners of landing zone marked appropriately for conditions				
<b>8</b>	Windward side of the landing zone marked appropriately				
<b>9</b>	Communicates conditions and hazards effectively with aircraft crew				
<b>10</b>	Establishes and maintains scene safety.				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_

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**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_



## Surface Water Rescue Technician

<b>Station J:</b> Supervise and lead a rescue team Reference NFPA 1006 (2008 Edition) Ch. 11 <b>Mandatory Station JPR 11.2.4 (Tech II)</b>	<b>Date:</b>	<b>Candidate #</b>
	<b>Site:</b>	

**Directions:** given incident checklists, maps, topographic surveys and charts, coordinate, lead and supervise a rescue team during operations. Do you have any questions?

**Performance Outcome:** Pass/ Fail will be determined by 7 of the 7 items being preformed correctly

No.	Task Steps	Initial Test		Retest	
		Yes	No	Yes	No
<b>1</b>	Establish Incident Management System				
<b>2</b>	Hazards are assessed and identified				
<b>3</b>	Personnel qualifications/abilities of rescuers are verified				
	Pre-entry briefing is conducted				
<b>4</b>	Personnel are supervised/team managed				
<b>5</b>	Safety and health of team is ensured				
<b>6</b>	Debriefing is performed				
<b>7</b>	Establishes and maintains scene safety.				

<b>PASS</b> _____	<b>PASS</b> _____
<b>FAIL</b> _____	<b>FAIL</b> _____

**Evaluator Comments:** \_\_\_\_\_  
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**Evaluator Signature:** \_\_\_\_\_

**Re-Test Evaluator Signature:** \_\_\_\_\_