

Watercraft Rescue Technician

(NFPA 1006: Watercraft Rescue
Awareness/Operations/Technician)

Curriculum Training Standards Guide (2021)



California Department of Forestry and Fire Protection
Office of the State Fire Marshal
State Fire Training

Watercraft Rescue Technician

Curriculum Training Standards Guide (2021)

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This CTS guide utilizes the following NFPA standards to provide the qualifications for State Fire Training's Watercraft Rescue Technician (2021) curriculum:

- NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)

State Fire Training coordinated the development of this CTS guide. Before its publication, the Statewide Training and Education Advisory Committee (STEAC) and the State Board of Fire Services (SBFS) recommended this CTS guide for adoption by the Office of the State Fire Marshal (OSFM).

Cover photo courtesy of Aide Barbat, Battalion Chief, San Diego Fire-Rescue Department

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Table of Contents

Acknowledgements.....	1
How to Read a CTS Guide	2
Watercraft Rescue Technician	4
Section 1: Awareness	4
1-1: Initiating a Discipline-Specific Search	4
1-2: Performing Ground Support Operations for Helicopter Activities.....	6
1-3: Selecting Hazard-Specific PPE.....	8
1-4: Maintaining Watercraft Stability	9
1-5: Sizing Up a Watercraft Rescue Incident	10
1-6: Recognizing Incident Hazards and Initiating Isolation Procedures	12
1-7: Recognizing the Need for Technical Rescue Resources	14
1-8: Supporting an Operations- or Technician-Level Incident.....	16
1-9: Describing Dynamic Hydrology and Identifying Travel Paths.....	18
Section 2: Operations.....	19
2-1: Identifying Types of Watercraft.....	19
2-2: Identifying the Configuration of Watercraft	20
2-3: Communicating Between Watercraft and Rescuers	21
2-4: Identifying When to Notify Local and Federal Authorities.....	22
2-5: Interpreting Navigational Aids.....	23
2-6: Performing Self-Rescue and Survival Swimming Skills	24
2-7: Using Hazard-Specific PPE	25
2-8: Navigating a Watercraft as a Helmsman	26
2-9: Performing Docking or Watercraft Recovery Operations	28
2-10: Launching a Watercraft from a Conveyance	30
2-11: Performing Anchoring Operations	32
2-12: Performing Procedures for a Crew Overboard Event	33
2-13: Performing Procedures for Launching and Recovering In-Water Rescuers.....	34
2-14: Performing a Watercraft-Based Rescue of an Incapacitated Water Bound Victim	35
2-15: Performing Procedures to Take Another Watercraft Under Tow	36
2-16: Performing Emergency Procedures for a Watercraft.....	37
2-17: Conducting Dewatering Operations	38
2-18: Terminating an Incident	39
2-19: Managing a Water Rescue Incident.....	41
2-20: Performing Motor Maintenance	42
2-21: Trailering a Watercraft	43
Section 3: Technician	44
3-1: Preparing a Watercraft to Get Underway	44
3-2: Operating a Watercraft to Perform Typical Tasks	45
3-3: Plotting a Course.....	46

Table of Contents

3-4: Operating a Watercraft While Performing Docking or Watercraft Recovery Operations	47
3-5: Operating a Watercraft While Launching or Deploying from a Conveyance	48
3-6: Operating a Watercraft to Conduct Anchoring Operations	50
3-7: Operating a Watercraft in Response to a Crew Overboard Event	51
3-8: Operating a Watercraft to Deploy and Recover In-Water Rescuers	52
3-9: Operating a Watercraft to Rescue an Incapacitated Water Bound Victim	53
3-10: Operating a Watercraft with Another Watercraft Under Tow.....	54
3-11: Operating Ancillary Navigation and Electronic Systems	55
3-12: Shutting Down a Watercraft.....	56

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Cadre – 2023 Curriculum Development

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How to Read a CTS Guide

Overview

A curriculum training standard (CTS) guide lists the requisite knowledge, skills, and job performance requirements an individual must complete to become certified in a specific job function.

It also documents and justifies the OSFM-approved revisions to the curriculum's NFPA standard and identifies where each curriculum training standard is taught (course plan), tested (skill sheets), and validated (task book).

Individuals aspiring to meet State Fire Training's curriculum training standards must do so in accordance with the codes, standards, regulations, policies, and standard operating procedures applicable within their own agency or jurisdiction.

Format

Each curriculum training standard is comprised of eight sections.

Section Heading

Training standards are grouped by section headings that describe a general category. For example, the Fire Fighter 1 CTS guide includes the following section headings: NFPA Requirements, Fire Department Communications, Fireground Operations, and Preparedness and Maintenance.

Training Standard Title

The training standard title provides a general description of the performance requirement contained within the individual standard.

Authority

The CTS guide references each individual standard with one or more paragraphs of the corresponding National Fire Protection Association (NFPA) Professional Qualifications. This ensures that each fire service function within California's certification system meets or exceeds NFPA standards.

When California requirements exceed the NFPA standard, the CTS guide cites the Office of the State Fire Marshal as the authority and prints the corresponding information shaded gray.

Job Performance Requirements

This segment includes a written statement that describes a specific job-related task, the items an individual needs to complete the task, and measurable or observable outcomes.

Requisite Knowledge

This segment lists the knowledge that an individual must acquire to accomplish the job performance requirement.

Requisite Skills

This segment lists the skills that an individual must acquire to accomplish the job performance requirement.

Content Modification

This table documents and justifies any revisions to the NFPA standard that the development or validation cadres make during the development of a CTS guide.

Cross Reference

This table documents where each training standard is taught (course plan), tested (skill sheets), and validated (task book).

Watercraft Rescue Technician

Section 1: Awareness

1-1: Initiating a Discipline-Specific Search

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.1

Job Performance Requirement

Initiate a discipline-specific search, give hazard-specific PPE, equipment pertinent to the search mission, an incident location, and victim investigative information, so that search parameters are established, the victim profile is established, the access and egress of all people either involved in the search or already within the search area are questioned and the information is updated and relayed to command; the personnel assignments match their expertise, all victims are located as quickly as possible, applicable technical rescue concerns are managed, risks to searchers are minimized, and all searchers are accounted for.

Requisite Knowledge

1. Describe local policies and procedures
2. Describe how to operate in the site-specific environment

Requisite Skills

1. Enter, maneuver in, and exit the search environment
2. Provide for and perform self-escape and self-rescue

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-5 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 23, 24, 25, 26, 27, 28 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 19, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-5 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 21, 22, 23, 24, 25, 26 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 17, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-5 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 22, 23, 24, 25, 26, 27 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 19, 30

1-2: Performing Ground Support Operations for Helicopter Activities

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.2

Job Performance Requirement

Perform ground support operations for helicopter activities, given a rescue scenario/incident, helicopter, operational plans, PPE, requisite equipment, and available specialized resources, so that rescue personnel are aware of the operational characteristics of the aircraft and demonstrate operational proficiency in establishing and securing landing zones and communicating with aircraft personnel until the assignment is complete.

Requisite Knowledge

1. Describe ground support operations relating to helicopter use and deployment
2. Describe operation plans for helicopter service activities
3. Describe type-specific PPE
4. Describe aircraft familiarization and hazard areas specific to helicopters
5. Describe scene control and landing zone requirements
6. Describe aircraft safety systems
7. Describe communication protocols

Requisite Skills

1. Provide ground support operations
2. Review standard operating procedures for helicopter operations
3. Use PPE
4. Establish and control landing zones
5. Communicate with aircrews

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-7	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 21
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-7	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 19
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-7	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 21

1-3: Selecting Hazard-Specific PPE

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.3

Job Performance Requirement

Select hazard-specific PPE, given PPE, including personal flotation devices (PFDs), helmets, and exposure garments that are consistent with the needs of the incident and type of watercraft, so that the wearer is protected from the effects of accidental immersion, exposure to the elements, and injury from unanticipated movement of the watercraft.

Requisite Knowledge

1. Describe hazards present on and near the water and aboard watercraft used by the AHJ including those presented by weather, current, water conditions, and the capacities

Requisite Skills

1. Locate, identify, and don PPE and flotation devices

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 2-1 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 1, 2 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 2, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 2-1 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 1, 2 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 2, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 2-1 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 1, 2 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 2, 30

1-4: Maintaining Watercraft Stability**Authority**

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.4

Job Performance Requirement

Maintain watercraft stability, given a selected watercraft used by the AHJ, so that the stability of the craft is not compromised, the possibility of a fall is minimized, and the rescuer is protected from harm.

Requisite Knowledge

1. Describe elements that affect the stability of watercraft, including mass, center of gravity, weight distribution, impact loads, current, sail area, and wind and water conditions

Requisite Skills

1. Board and exit a watercraft in a manner that prevents injury and minimizes the impact on the stability of the watercraft

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-1 	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 23
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-1 	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 21
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-1 	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 23

1-5: Sizing Up a Watercraft Rescue Incident

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.5

Job Performance Requirement

Sizing up a watercraft rescue incident, given background information and applicable reference materials, so that the scope of the rescue is determined, the number of victims is identified, the last reported location of all the victims is established, witnesses and reporting parties are identified and interviewed, resource needs are assessed, primary search parameters are identified, and information required to develop an initial incident action plan is obtained.

Requisite Knowledge

1. Identify types of reference materials and their uses
2. Describe availability and capability of the resources
3. Describe elements of an incident action plan and related information
4. Describe relationship of the size-up to the incident management system
5. Describe information gathering techniques and how that information is used in the size-up process
6. Describe basic search criteria for watercraft rescue incidents

Requisite Skills

1. Read technical rescue reference materials
2. Gather information
3. Use interview techniques
4. Relay information
5. Use information-gathering sources

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-1 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 21 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 15, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-1 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 19 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 13, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-1 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 20 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 15, 30

1-6: Recognizing Incident Hazards and Initiating Isolation Procedures

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.6

Job Performance Requirement

Recognize incident hazards and initiate isolation procedures, given scene control barriers, personal protective equipment (PPE), requisite equipment, and available specialized resources, so that all hazards are identified; resource application fits the operational requirements; hazard isolation is considered; risks to rescuers, bystanders, and victims are minimized; and rescue time constraints are taken into account.

Requisite Knowledge

1. Describe rescue capabilities and limitations
2. Describe types and nature of incident hazards
3. Describe equipment types and their use
4. Describe isolation terminology, methods, equipment, and implementation
5. Describe operational requirement concerns
6. Describe common types of rescuer and victim risks
7. Describe risk/benefit analysis methods and practices
8. Describe hazard recognition, isolation methods, and terminology
9. Describe methods for controlling access to the scene
10. Describe types of technical references

Requisite Skills

1. Identify resource capabilities and limitations
2. Identify incident hazards
3. Assess potential hazards to rescuers and bystanders
4. Place scene control barriers
5. Operate control and mitigation equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-2 • Topic 5-1 (RK7) 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 22 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 16, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-2 • Topic 5-1 (RK7) 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 20 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 14, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-2 • Topic 5-1 (RK7) 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 21 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 16, 30

1-7: Recognizing the Need for Technical Rescue Resources

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.7

Job Performance Requirement

Recognize the need for technical rescue resources at an operations- or technician-level incident, given AHJ guidelines, so that the need for additional resources is identified, the response system is initiated, the scene is secured and rendered safe until additional resources arrive, and awareness-level personnel are incorporated into the operational plan.

Requisite Knowledge

1. Describe operational protocols
2. Describe specific planning forms
3. Describe types of incidents common to the AHJ
4. Describe hazards
5. Describe incident support operations and resources
6. Describe safety measures

Requisite Skills

1. Apply operational protocols
2. Select specific planning forms based on the types of incidents
3. Identify and evaluate various types of hazards within the AHJ
4. Request support and resources
5. Determine the required safety measures

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-4 • Topic 5-2 (RK4) 	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 18
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-4 • Topic 5-2 (RK4) 	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 16
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-4 • Topic 5-2 (RK4) 	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 18

1-8: Supporting an Operations- or Technician-Level Incident

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.1.8

Job Performance Requirement

Support an operations- or technician-level incident, given an incident, an assignment, and incident action plan, and resources from the tool cache, so that the assignment is carried out, progress is reported to command, environmental concerns are managed, personnel rehabilitation is facilitated, and the incident action plan is supported.

Requisite Knowledge

1. Describe AHJ operational protocols
2. Describe hazard recognition
3. Describe incident management
4. Describe PPE selection
5. Describe resource selection and use
6. Describe scene support requirements

Requisite Skills

1. Apply operational protocols
2. Function within an incident management system
3. Follow and implement an incident action plan
4. Report the task progress status to a supervisor or incident command

Content Modification

Block	Modification	Justification
JPR	Changed "kit" to "cache".	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-6 • Topic 5-2 (RK2) • Topic 2-3 (RK3) • Topic 2-1 (RK4) 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 29 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 20, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-6 • Topic 5-2 (RK2) • Topic 2-3 (RK3) • Topic 2-1 (RK4) 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 27 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 18, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 5-6 • Topic 5-2 (RK2) • Topic 2-3 (RK3) • Topic 2-1 (RK4) 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 28 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 20, 30

1-9: Describing Dynamic Hydrology and Identifying Travel Paths

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Describe dynamic hydrology as it relates to rivers, channels, and floods, given a dynamic water environment, so that hydrology impacts are avoided or mitigated during water rescue operations.

Requisite Knowledge

1. Describe the forces of dynamic water
2. Describe how to calculate current speed
3. Describe how to calculate water volume (cubic feet of water per second) in a river/channel
4. Describe river orientation and where to place personnel
5. Describe features created by moving water and how they impact water rescue operations
6. Identify areas and features that are safe zones in dynamic water environments
7. Identify river classifications
8. Describe effects of hydrodynamics on watercraft, rescuers, and victims
9. Describe criteria for selecting victim retrieval locations based on water environment and conditions
10. Describe techniques used to navigate dynamic water and identify travel paths and hazards

Requisite Skills

1. None

Content Modification

Block	Modification	Justification
CTS	Added a new standard	Cadre wanted to ensure that all participants had a basic and consistent understanding of basic hydrology and travel paths.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-2	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 3
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-2	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 3
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-2	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 3

Section 2: Operations

2-1: Identifying Types of Watercraft

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.1

Job Performance Requirement

Identify the types of watercraft, given a list of watercraft used by the organization, so that their limitations, capabilities, load ratings, performance criteria, and considerations for their deployment and recovery in the intended environment are identified.

Requisite Knowledge

1. **Identify** types of watercraft used by the organization and the qualities and attributes of each craft that affect how it is utilized in the intended environment
2. **Describe** inherent conditions of the intended environment including wind, current, and water conditions that affect vessel selection and use
3. **Describe** mission scope and tactical objectives that affect watercraft selection

Requisite Skills

1. Identify watercraft characteristics such as draft, sail area, methods of propulsion, size, weight, method of deployment, and configuration that affect its selection for use in a specific environment for a specific mission

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-1	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 9
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-1	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 9
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-1	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 9

2-2: Identifying the Configuration of Watercraft

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.2

Job Performance Requirement

Identify the configuration of watercraft, given a watercraft available to the agency, so that the location of access and egress points, propulsion system components, steering controls, communication equipment, emergency equipment, through hull and deck fittings, portals, and fittings necessary for water- and weathertight integrity are located.

Requisite Knowledge

1. Describe location of equipment
2. Describe watercraft components
3. Describe configuration of watercraft

Requisite Skills

1. Identify fittings, portals, and other equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 11, 12	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 11, 12	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 11	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10, 30

2-3: Communicating Between Watercraft and Rescuers

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.3

Job Performance Requirement

Use the available methods of communicating between the watercraft and other rescuers in the water, on the shore, in other watercraft, and in aircraft as applicable, given communication tools, so that routine mission-related information and emergency messages are communicated to the intended recipient.

Requisite Knowledge

1. Describe methods of communication available to rescuer and their limitations given specific weather conditions, visibility, and distances from the intended recipient

Requisite Skills

1. Select and utilize available communication tools such as radios, hand signals, lights, audible signals, and loud hailers for the specific environment to communicate information

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-1	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 5, 6, 7, 8	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 6, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-1	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 5, 6, 7, 8	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 6, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-1	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 5, 6, 7, 8	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 6, 30

2-4: Identifying When to Notify Local and Federal Authorities

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.4

Job Performance Requirement

Identify conditions that require the notification of local and federal authorities, given conditions that require their involvement, including vessels in distress, hazards to navigation, release of hazardous or toxic substances, and other conditions that affect the health and safety of those in and around navigable waters, so that the proper agency is notified and relevant information is communicated.

Requisite Knowledge

1. Describe laws, regulations, and standards that identify conditions that require notification of outside agencies
2. Describe the methods of notification
3. Describe required other actions

Requisite Skills

1. Identify specific conditions that require notification of outside agencies
2. Perform methods for their notification

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-3	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 17
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-3	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 15
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-3	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 17

2-5: Interpreting Navigational Aids

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.5

Job Performance Requirement

Interpret navigational aids, given marine lights, structures and markings on land, other vessels, or on the water, so that nautical landmarks and other vessels are identified, intended course is selected, and collisions are avoided.

Requisite Knowledge

1. Describe appearance and color of visual aids and navigation markers and their meanings

Requisite Skills

1. Interpret markers, lights, and signals to determine a course that will avoid other vessels

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7

2-6: Performing Self-Rescue and Survival Swimming Skills

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.6
2. Office of the State Fire Marshal

Job Performance Requirement

Perform self-rescue and survival swimming skills, given a course designated by the AHJ that demonstrates the capabilities necessary to operate in the anticipated rescue environment, water rescue PPE, and swim aids as required, so that flotation is maintained, body heat is conserved, and egress is accomplished.

Requisite Knowledge

1. Describe effects of hypothermia and cold-water immersion
2. Describe survival skills

Requisite Skills

1. Float and move through the water to reach a point of egress or await rescue while conserving body heat

Content Modification

Block	Modification	Justification
JPR	Added “given a course designated by the AHJ that demonstrates the capabilities necessary to operate in the anticipated rescue environment, water rescue PPE, and swim aids as required”.	NFPA did not provide a given. This mirrors the given in 17.3.1 (NFPA 1006) which is a prerequisite for Watercraft Rescue training.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-4	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 4	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 5, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-4	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 4	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 5, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-4	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 4	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 5, 30

2-7: Using Hazard-Specific PPE

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.7

Job Performance Requirement

Use hazard-specific PPE, given a watercraft rescue incident/scenario, so that the PPE is used in accordance with AHJ policies relative to the specific incident/scenario, PPE emergency escape procedures are followed, and distress signals are communicated.

Requisite Knowledge

1. Describe capabilities and limitations of hazard-specific PPE and personal flotation devices
2. Describe distress signals
3. Describe emergency escape procedures
4. Describe preoperational checklists for the PPE

Requisite Skills

1. Don and doff PPE and personal flotation devices, including water rescue helmets and water insulating garments
2. Communicate distress signals
3. Follow emergency escape procedures for the PPE
4. Use preoperational checklists for the PPE

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-1	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 1, 2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 2, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-1	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 1, 2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 2, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-1	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 1, 2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 2, 30

2-8: Navigating a Watercraft as a Helmsman

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.8

Job Performance Requirement

Navigate a watercraft as a helmsman, given a watercraft, navigation tools, and a plotted course, so that the course is followed, obstacles and other vessels are avoided, wind and currents accounted for, awareness of position is maintained, and the destination is reached.

Requisite Knowledge

1. Identify operation of the controls relevant to the watercraft and how they affect speed and direction of the vessel
2. Describe how the associated navigational tools, such as compass and GPS devices, function and are interpreted
3. Describe marking on charts or plotters and their meanings
4. Describe the effects of local water, wind, and weather conditions on the direction and speed of the watercraft

Requisite Skills

1. Operate the controls of the watercraft
2. Use the navigational tools and indicators on the watercraft
3. Select a heading and speed for the vessel for the existing conditions so that it follows its intended course

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-3 • Topic 3-2 (RK2, RK3, RS2) 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 33, 34, 35, 36, 37, 38, 39 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 25, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-3 • Topic 3-2 (RK2, RK3, RS2) 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 30, 31, 32, 33, 34 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 23, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-3 • Topic 3-2 (RK2, RK3, RS2) 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 37, 38, 39, 40, 41 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 25, 30

2-9: Performing Docking or Watercraft Recovery Operations

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.9

Job Performance Requirement

Perform docking or watercraft recovery operations, given a watercraft and an operator, so that communication is maintained with the operator, current and wind are account for, mooring lines and fenders are rigged, the dock or slip and watercraft are protected from impacts, and the vessel is positioned properly at the slip and secured from unintended movement.

Requisite Knowledge

1. Describe methods for securing a watercraft and rigging fenders to prevent damage and minimize undesired movement of the watercraft
2. Describe means of maneuvering a watercraft using lines or other external systems to position the watercraft as desired
3. Describe how wind, weather, and water conditions affect watercraft movement as it approaches the slip and after being secured
4. Describe considerations for specialized tools or conveyances used to recover watercraft such as trailers, jet docks, and davits

Requisite Skills

1. Rig lines and tie knots, bends, and hitches related to mooring
2. Secure and maneuver vessels into or at a mooring location or conveyance
3. Predict direction and speed of approach to a moorage conveyance based on the boat operators' actions
4. Identify the effects of wind, weather, and wave actions

Content Modification

Block	Modification	Justification
RS4	Added "Identify".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 31, 32	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 28, 29	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 22, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 30, 31, 32, 33, 34, 35, 36	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30

2-10: Launching a Watercraft from a Conveyance

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.10

Job Performance Requirement

Launch a watercraft from a pier, dock, slip, trailer, or other conveyance, given a watercraft and an operator, so that communication is maintained with the operator, current and wind are accounted for, mooring lines are managed, and equipment is secured against unintended movement.

Requisite Knowledge

1. Describe methods for launching or deploying a watercraft and rigging, and securing equipment to prevent damage and minimize undesired movement of the watercraft
2. Describe means of maneuvering a watercraft using lines or other external systems to position the watercraft as desired
3. Describe how wind, weather, and water conditions affect watercraft movement as it leaves the slip and after being deployed
4. Describe considerations for specialized tools or conveyances used to deploy watercraft such as trailers, jet docks, and davits

Requisite Skills

1. Rig lines and tie knots, bends, and hitches related to mooring and maneuvering vessels into or at a moorage location or conveyance
2. Predict direction and speed of vessel departing from a moorage conveyance based on the boat operators' actions
3. Identify the effects of wind, weather, and wave action

Content Modification

Block	Modification	Justification
RK3	Added "Identify".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 30	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 28	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 22, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 29	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30

2-11: Performing Anchoring Operations

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.11

Job Performance Requirement

Perform anchoring operations, given a watercraft, an operator, and anchoring equipment, so that the anchor is deployed to prevent vessel movement; and anchor swing, weather, and current and tide change are accounted for.

Requisite Knowledge

1. Identify techniques for setting anchor
2. Describe requirements for anchor size, line length for the vessel, and weather conditions
3. Describe the effects of vessel movement while at anchor

Requisite Skills

1. Set an anchor to minimize the potential for drag
2. Pay out anchor line to ensure proper scope is achieved for weather and tide changes

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-4	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 44	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 26, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-4	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 37	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-4	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 26

2-12: Performing Procedures for a Crew Overboard Event

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.12
2. Office of the State Fire Marshal

Job Performance Requirement

Perform procedures for a crew overboard (COB) event, given a watercraft available to the agency, an operator, and watercraft crewmember(s), so that the incident is communicated to the operator, visual location of the subject is maintained, the location and marked, and recovery of the subject is accomplished.

Requisite Knowledge

1. Describe vessel procedures for man overboard
2. Describe methods of communication of a COB event to operator
3. Describe crew tactics for marking location to assist with returning to location of event
4. Describe effects of immersion and hypothermia

Requisite Skills

1. Deploy a surface marker or utilize other methods for marking the location of the COB event
2. Deploy flotation aid to the member
3. Perform operations specific to maneuvering the vessel and repairing to recover the subject
4. Perform recovery operations

Content Modification

Block	Modification	Justification
JPR	Added “given a motorized watercraft available to the agency, an operator, and watercraft crewmember(s)”.	NFPA did not provide a given. This mirrors the given in other NFPA 1006 chapter 22 paragraphs.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 28
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 26
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 28

2-13: Performing Procedures for Launching and Recovering In-Water Rescuers

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.13

Job Performance Requirement

Perform procedures for launching and recovery of in-water rescuers, given a watercraft available to the agency, in-water rescuers, and a watercraft operator, so that the watercraft is not broached, control of the watercraft is maintained so that the rescuers are deployed and recovered at the designated location and are protected from injury.

Requisite Knowledge

1. Describe watercraft specific procedures for deploying and recovering rescuers, including methods for avoiding contact with propulsion elements of the watercraft and uncontrolled falls or potential for entanglement on entry or exit.

Requisite Skills

1. Rig or configure elements of the watercraft required for launching or recovery of rescuers
2. Manage the operation of propulsion systems and other mechanical elements of the watercraft
3. Coordinate vessel movement and location so the rescuers are deployed and recovered at the desired location

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-5 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 40, 41, 45, 46, 47, 49, 50 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 27, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-5 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 35, 36, 38, 39, 40, 42, 43 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 25, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-5 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 46, 48, 49, 50 	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 27, 30

2-14: Performing a Watercraft-Based Rescue of an Incapacitated Water Bound Victim

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.14

Job Performance Requirement

Perform a watercraft-based rescue of an incapacitated water bound victim, given a watercraft that is available to the team, a water rescue tool cache, a means of securement, and water rescue PPE, so that the watercraft is not broached; control of the watercraft is maintained; risks to the victim and rescuers are minimized; and the victim is removed from the hazards.

Requisite Knowledge

1. Describe watercraft-specific procedures for recovering victims, including methods for avoiding contact with propulsion elements of the watercraft and uncontrolled falls or potential for entanglement on recovery

Requisite Skills

1. Rig or configure elements of the watercraft required for recovery of a victim
2. Manage the operation of propulsion systems and other mechanical elements of the watercraft
3. Coordinate vessel movement and location so the victim is recovered at the desired location

Content Modification

Block	Modification	Justification
JPR	Changed “kit” to “cache”.	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 48	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 41	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 26, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 47	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30

2-15: Performing Procedures to Take Another Watercraft Under Tow

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.15

Job Performance Requirement

Perform procedures to take another watercraft under tow so that the relative size of both watercraft are considered; neither vessel is broached; wind, weather, and water conditions are accounted for; lines are connected between the vessels; maneuverability and control are maintained; and the watercraft is protected from damage.

Requisite Knowledge

1. Describe watercraft-specific procedures for taking a vehicle under tow, including rigging methods, anchor locations, methods for chafe, and impact protection
2. Describe watercraft handling dynamics while towing
3. Describe propulsion capacities and impact of wind, weather, and water conditions on combined mass and surface area of both vessels
4. Describe limitations on size and weight of vessel being towed

Requisite Skills

1. Rig lines
2. Identify impact and chafe protection
3. Control movement and direction of watercraft under tow
4. Monitor position and condition of vessel under tow
5. Communicate with watercraft operator to maneuver the watercraft

Content Modification

Block	Modification	Justification
RS2	Added "Identify".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-7 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 51 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 29, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-7 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 44 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 27, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-7 	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 29, 30

2-16: Performing Emergency Procedures for a Watercraft

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.16

Job Performance Requirement

Perform emergency procedures for a watercraft, given a watercraft available to the agency and emergency equipment, so that help is summoned, emergency actions are taken, and risks to the occupants of the vessel are minimized.

Requisite Knowledge

1. Describe location of emergency equipment such as signaling devices, fire extinguishers, distress beacons, life rafts, PFDs, exposure suits, and other related equipment and how to operate and deploy them

Requisite Skills

1. Deploy and activate life safety and emergency equipment

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-2	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 10

2-17: Conducting Dewatering Operations

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.17

Job Performance Requirement

Conduct dewatering operations, given a watercraft available to the jurisdiction and dewatering equipment so that undesired water is reduced or eliminated in the watercraft, vessel stability is maintained, and damage to the watercraft is prevented.

Requisite Knowledge

1. Describe watercraft-specific dewatering plan
2. Describe operation of onboard dewatering equipment
3. Describe effects of excessive water on stability and seaworthiness of the watercraft

Requisite Skills

1. Operate onboard dewatering equipment to remove water from the vessel

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 42, 43	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 23
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 45	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 30

2-18: Terminating an Incident

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.2.18

Job Performance Requirement

Terminate an incident, given PPE specific to the incident, isolation barriers, and tool cache, so that rescuers and bystanders are protected and accounted for during termination operations; the party responsible is notified of any modifications or damage created during the operational period; documentation of loss or material use is accounted for, scene documentation is performed, and scene control is transferred to a responsible party; potential or existing hazards are communicated to the responsible party; debriefing and post-incident analysis and critique are considered; and command is terminated.

Requisite Knowledge

1. Describe PPE characteristics
2. Describe hazard and risk identification
3. Describe isolation techniques
4. Describe statutory requirements identifying responsible parties
5. Describe accountability system use
6. Describe reporting methods
7. Describe post-incident analysis techniques

Requisite Skills

1. Select and use hazard-specific PPE
2. Decontaminate PPE
3. Use barrier protection techniques
4. Collect data
5. Identify record-keeping/reporting protocols
6. Conduct post-incident analysis activities

Content Modification

Block	Modification	Justification
JPR	Changed "kit" to "cache".	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.
RS5	Added "Identify".	NFPA did not provide a verb.
RS6	Added "Conduct".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-8	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 52	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 22, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-8	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 45	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 20, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 5-8	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 51	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 22, 30

2-19: Managing a Water Rescue Incident

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Manage a water rescue incident, given water rescue scenarios and AHJ policies, procedures, and standards, so that the incident is managed in accordance with local, state, and federal standards, policies, and procedures.

Requisite Knowledge

1. Describe water rescue scope of practice and standards
2. Describe policies/procedures for rescue team activation
3. Describe legal considerations and practices
4. Describe the discipline-specific components of the Incident Command System
5. Describe rescue priorities
6. Describe how to recognize the need for technical rescue resources

Requisite Skills

1. Manage a rescue incident from initiation through demobilization and termination

Content Modification

Block	Modification	Justification
CTS	Added new standard.	Participants need a macro-level understanding of how to manage the full cycle of a rescue operation.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 4, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-3	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 3	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 4, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 2-3	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 3	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 4, 30

2-20: Performing Motor Maintenance

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Perform motor maintenance, given a motorized river and flood rescue vessel, so that motor maintenance ensures operational readiness.

Requisite Knowledge

1. Describe how water conditions impact motors
2. Identify equipment needed to perform motor maintenance
3. Describe maintenance requirements for general use
4. Describe how to service an outboard motor
5. Identify equipment needed to dewater an outboard motor
6. Describe how to dewater an outboard motor

Requisite Skills

1. Perform pre- and post-op motor maintenance
2. Dewater a motor

Content Modification

Block	Modification	Justification
CTS	Added new standard.	NFPA does not cover motor maintenance but it is a critical component of maintaining a motorized rescue watercraft.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 13, 14	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 11, 30
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-3	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 12, 13	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 11, 30

2-21: Trailering a Watercraft

Authority

1. Office of the State Fire Marshal

Job Performance Requirement

Trailer a watercraft, given a watercraft, tow vehicle, and trailer, so that the watercraft is secure and ready for transport.

Requisite Knowledge

1. Identify trailer components
2. Describe safety considerations associated with trailering operations
3. Describe how to back up a trailered watercraft
4. Describe trailer positioning
5. Describe considerations for unimproved launches

Requisite Skills

1. Conduct a pre-trip trailer inspection
2. Load and secure a watercraft on a trailer
3. Launch a watercraft from a trailer
4. Recover a watercraft onto a trailer

Content Modification

Block	Modification	Justification
CTS	Added new standard.	NFPA does not include standards for trailer operations but that is how many watercraft are transported in California.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-4	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 15, 16, 17, 18	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 12, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-3	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 13, 14, 15, 16	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 11, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-4	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 14, 15, 16, 17	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 12, 30

Section 3: Technician

3-1: Preparing a Watercraft to Get Underway

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.1

Job Performance Requirement

Prepare a watercraft to get underway, given a watercraft available to the agency, so that preoperational checks are performed, systems are energized, propulsion systems are started, functional checks are conducted, and the watercraft is ready to be deployed.

Requisite Knowledge

1. Describe watercraft system operational procedures and readiness checks

Requisite Skills

1. Check proper fluid levels, charges, connections, and lubrication of systems and connections

Content Modification

Block	Modification	Justification
JPR	Added "are".	NFPA was missing a word.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-5	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 19, 20	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 13, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-4	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 17, 18	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 12, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-5	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 18, 19	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 13, 30

3-2: Operating a Watercraft to Perform Typical Tasks

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.2

Job Performance Requirement

Operate a watercraft to perform tasks typical of the mission defined by the AHJ in conditions representative of the waters and weather common to the jurisdiction, given a watercraft available to the agency, so that the objectives are achieved, the occupants and crew are protected from harm, and damage to the watercraft is prevented.

Requisite Knowledge

1. Describe vessel-specific policies and procedures for operating the watercraft
2. Describe capabilities and limitations of the watercraft
3. Describe common wind, weather, and water conditions for the jurisdiction

Requisite Skills

1. Operate the controls of the watercraft
2. Maneuver to achieve the objective while preventing damage to the watercraft or other vessels

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 33, 34, 35, 36, 37, 38, 39	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 30, 31, 32, 33, 34	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 23, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-3	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 38, 39, 40, 41, 42, 43, 44	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 30

3-3: Plotting a Course

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.3

Job Performance Requirement

Plot a course, given navigational tools and charts so that heading, speed, and course are determined and wind, weather, current, and water conditions are taken into account.

Requisite Knowledge

1. Describe how to operate conventional and electronic navigation tools used by the agency

Requisite Skills

1. Determine location, heading, and speed to achieve the desired outcome

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-3	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 9, 10	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 8, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-3	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 9, 10	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 8, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-3	33, 34, 35, 36, 37, 38, 39 (2021) <ul style="list-style-type: none">• Skill 9, 10	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 8, 30

3-4: Operating a Watercraft While Performing Docking or Watercraft Recovery Operations

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.4

Job Performance Requirement

Operate the watercraft while performing docking or watercraft recovery operations, given a watercraft and watercraft crewmember(s), so that communication is maintained with the crew, current and wind are accounted for, and the vessel is positioned properly at the slip and secured from unintended movement.

Requisite Knowledge

1. Describe methods for maneuvering or approaching moorage
2. Describe how wind, weather, and water conditions affect watercraft movement as it approaches the slip and after being secured
3. Describe considerations for specialized tools or conveyances used to recover watercraft such as trailers, jet docks, and davits

Requisite Skills

1. Control and maneuver vessel into or at a moorage location or conveyance
2. Predict direction and speed of approach to a moorage conveyance based on the boat operator actions
3. Identify the effect of wind, weather, and wave actions

Content Modification

Block	Modification	Justification
RS3	Added "Identify".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 31, 32	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 28, 29	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• 22, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 30, 31, 32, 33, 34, 35, 36	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30

3-5: Operating a Watercraft While Launching or Deploying from a Conveyance

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.5

Job Performance Requirement

Operate a watercraft as it is launched or deployed from a pier, dock, slip, trailer, or other conveyance, given a watercraft and watercraft crewmember(s), so that communication is maintained with the crew, current and wind are accounted for, and damage to the watercraft is prevented.

Requisite Knowledge

1. Describe methods or maneuvering and operating the watercraft while launching or deploying watercraft so it is positioned as desired
2. Describe how wind, weather, and water conditions affect watercraft movement as it leaves the slip and after being deployed
3. Describe considerations for specialized tools or conveyances used to deploy watercraft such as trailers, jet docks, and davits

Requisite Skills

1. Maneuver while departing the moorage location
2. Predict direction and speed of departure from a moorage or conveyance based on conditions
3. Identify characteristics of the watercraft
4. Identify the effect of wind, weather, and wave action

Content Modification

Block	Modification	Justification
RS3	Added "Identify".	NFPA did not provide a verb.
RS4	Added "Identify".	NFPA did not provide a verb.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 30, 31	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 28, 29	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 22, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-2	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 29	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 24, 30

3-6: Operating a Watercraft to Conduct Anchoring Operations

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.6

Job Performance Requirement

Operate a watercraft to conduct anchoring operations, given a watercraft, watercraft crewmember(s), and anchoring equipment, so that the anchor is deployed to prevent vessel movements; an anchor swing, weather, current, and tide change are accounted for.

Requisite Knowledge

1. Describe techniques for setting anchor
2. Describe requirements for anchor size, line length for the vessel, and weather conditions
3. Describe the impact of vessel movement while at anchor

Requisite Skills

1. Set an anchor to minimize the potential for drag
2. Pay out anchor line to ensure proper scope is achieved for weather and tide changes

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-4 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 44 	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 26, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-4 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • Skill 37 	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 24, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • Topic 6-4 	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none"> • JPR 26, 30

3-7: Operating a Watercraft in Response to a Crew Overboard Event

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.7

Job Performance Requirement

Operate a watercraft in response to a crew overboard (COB) event, given a watercraft available to the agency and watercraft crewmember(s), so that the incident is communicated to the operator, visual location of the subject is maintained, the location is marked, and recovery of the subject is accomplished.

Requisite Knowledge

1. Describe vessel procedures for man overboard
2. Describe methods of communication of COB event to the crew
3. Describe tactics for noting COB locations to assist with returning to location of event
4. Describe methods for quickly maneuvering the watercraft back to the COB location

Requisite Skills

1. Note location of COB event using traditional or electronic methods
2. Maneuver the vessel to return to the COB location
3. Approach the target area to recover the subject

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 28
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 26
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-6	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 28

3-8: Operating a Watercraft to Deploy and Recover In-Water Rescuers

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.8

Job Performance Requirement

Operate a watercraft to deploy and recover in-water rescuers, given a watercraft available to the agency, in-water rescuers, and watercraft crewmember(s), so that the watercraft is not broached, control of the watercraft is maintained so that the rescuers are deployed and recovered at the designated location and are protected from injury.

Requisite Knowledge

1. Describe watercraft specific procedures for deploying and recovering rescuers, including methods for avoiding contact with propulsion elements of the watercraft and uncontrolled falls or potential for entanglement on entry or exit.

Requisite Skills

1. Maneuver and control a watercraft
2. Manage the operation of propulsion systems and other mechanical elements of the watercraft
3. Coordinate vessel movement and location so the rescuers are deployed and recovered at the desired location

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 40, 41, 45, 46, 47, 49, 50	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 35, 36, 38, 39, 40, 42, 43	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 46, 48, 49, 50	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30

3-9: Operating a Watercraft to Rescue an Incapacitated Water Bound Victim

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.9

Job Performance Requirement

Operate a watercraft to perform a rescue of an incapacitated water bound victim, given a watercraft that is available to the team, a water rescue tool cache, watercraft crew member(s), a means of securement, and water rescue PPE, so that the watercraft is not broached; control of the watercraft is maintained; risks to the victim and rescuers are minimized; and the victim is removed from the hazard.

Requisite Knowledge

1. Describe watercraft-specific procedures for recovering victims, including methods for approach, avoiding contact with propulsion elements of the watercraft
2. Describe communication methods with the crew

Requisite Skills

1. Maneuver watercraft while approaching water-bound victim
2. Manage the operation of propulsion systems and other mechanical elements of the watercraft
3. Coordinate vessel movement and location so the victim is recovered at the desired location

Content Modification

Block	Modification	Justification
JPR	Changed "kit" to "cache".	Agencies do not have specific tower rescue tool kits; they assemble tools as needed from their general tool cache.

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 48	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 41	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 25, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-5	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Skill 47	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 30

3-10: Operating a Watercraft with Another Watercraft Under Tow

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.10

Job Performance Requirement

Operate a watercraft with another watercraft under tow, given a watercraft available to the agency and watercraft crewmember(s), so that the relative size of both watercraft are considered; neither vessel is broached; wind, weather, and water conditions are accounted for; lines are connected between the vessels; maneuverability and control are maintained; and the watercraft is protected from damage.

Requisite Knowledge

1. Describe watercraft-specific procedures for taking a vehicle under tow
2. Describe watercraft handling dynamics while towing
3. Describe propulsion capacities and impact of wind, weather, and water conditions on combined mass and surface area of both vessels
4. Describe limitations on size and weight of vessel being towed

Requisite Skills

1. Control movement and direction of the watercraft and the watercraft under tow
2. Monitor position and condition of vessel under tow
3. Communicate with watercraft operator to maneuver the watercraft

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-7	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 51	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 29, 30
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-7	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 44	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 27, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 6-7	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 29, 30

3-11: Operating Ancillary Navigation and Electronic Systems

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.11

Job Performance Requirement

Operate ancillary navigation and electronic systems, given a watercraft available to the agency, so that the objective is achieved and the desired information is obtained.

Requisite Knowledge

1. Describe watercraft and agency-specific procedures for the use of radar, plotters, and visual aids

Requisite Skills

1. Operate equipment specific to the watercraft and the agency such as radar, plotters, and forward-looking infrared radar (FLIR).

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 3-2	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 7

3-12: Shutting Down a Watercraft

Authority

1. NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)
 - Paragraph 22.3.12

Job Performance Requirement

Shut down a watercraft, given a watercraft available to the agency, so that post-shutdown checks are conducted, and the craft is secured and protected from damage and tampering.

Requisite Knowledge

1. Describe agency-specific procedures for watercraft operations
2. Describe shutdown procedures for propulsion and ancillary systems
3. Describe methods of securing craft from unwanted movement, theft, and vandalism
4. Describe connecting and ensuring shore systems are operational

Requisite Skills

1. Tie knots, bends, and hitches required to moor or secure craft for long-term storage
2. Use conveyances such as trailers, davits, or jet docks that the agency might use for storing or securing the craft
3. Activate or operate systems that control or maintain the environment inside the craft, such as climate control and bilge monitoring systems
4. Connect and verify operation of shore support systems such as AC power

Content Modification

Block	Modification	Justification

Cross Reference

Course Plan	Training Record	Task Book
Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-6	N/A	Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 14
Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-4	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• Skill 17, 18	Non-Motorized Watercraft Rescue Technician (2021) <ul style="list-style-type: none">• JPR 12, 28
PRWC Rescue Technician (2021) <ul style="list-style-type: none">• Topic 4-6	N/A	PRWC Rescue Technician (2021) <ul style="list-style-type: none">• JPR 14