

## WATERBORNE SEARCH AND RESCUE TEAM

DESCRIPTION	The Waterborne Search and Rescue (SAR) Team provides SAR capabilities in various inland and coastal waterways		
RESOURCE CATEGORY	Search and Rescue	RESOURCE KIND	Team
OVERALL FUNCTION	<p>The Waterborne SAR Team:</p> <ol style="list-style-type: none"> <li>1. Conducts critical response functions, such as life-saving assistance and rapid impact assessments</li> <li>2. Conducts search, rescue, and recovery operations</li> </ol>	COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> <li>1. Discuss the following items prior to deployment: <ol style="list-style-type: none"> <li>a. Communications beyond Intra-team communications, such as programmable, inter-operable communications with Command, General Staff, military, and other supporting resources</li> <li>b. Presence of contaminated environments and need for related personal protective equipment (PPE), clothing, and equipment</li> <li>c. Security and force protection needed upon arrival</li> <li>d. Logistics support, such as lodging, transportation, and meals for sustained operations beyond 72 hours</li> </ol> </li> <li>2. Teams are self-sustainable for 72 hours and are deployable for up to 14 days</li> <li>3. The requestor determines the appropriate number of boats and teams based on operational and mission needs</li> <li>4. The provider provides transport for personnel and equipment</li> <li>5. The requestor specifies the type of operating environment and mission for the provider</li> </ol>

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Personnel	Per Team	Minimum	3	2	2	2
			<b>NOTES:</b> Not Specified			
Personnel	Per Team	Management and Oversight	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5
			<b>NOTES:</b> Intended for 12-hour performance capacity. Requestor may add additional Boat Operators based on mission and operational needs.			
Personnel	Per Team	Operations and Support	Same as Type 2, PLUS: 1 - NIMS Type 1 Boat Crew Member (SAR)	Same as Type 3	Same as Type 4	1 - NIMS Type 1 Boat Crew Member (SAR)
			<b>NOTES:</b> Intended for 12-hour performance capacity. Requestor may add additional crew members based on mission and operational needs.			

Superseded

RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Equipment	Per Team	Operations	1 - Boat Greater than 30 feet long, capable of operating in seas up to 8 feet and 40 knots of wind	1 - Boat 20 to 30 feet long, capable of operating in seas up to 4 feet and 30 knots of wind	1 - Boat For operations in water of 18 inches or more	1 - Boat For operations in water of 18 inches or less
			<b>NOTES:</b> 1. Requestor may add additional boats and crew to the team based on mission and operational needs. 2. Boats must have ventilation systems in accordance with US Coast Guard (USCG)33 Code of Federal Regulations (CFR) Parts 175 and 183 and USCG 46 CFR Part 25. 3. Boats must have a Backfire Flame Arrestor in accordance with USCG 46 CFR Parts 25 and 58. 4. Boats must have a "Discharge of Oil Prohibited" placard and a system or items to prevent oil or oily waste from discharging into any waters in accordance with USCG 33 CFR Parts 151 and 155. 5. Boats must carry safety equipment in compliance with federal regulations.			
Equipment	Per Boat	Illumination and Warning	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5
			<b>NOTES:</b> Boats must have navigation lights and sound producing devices in accordance with USCG 33 CFR Part 183.			
Equipment	Per Boat	Towing	300 feet of towline 4 - Side lines 4 - Fenders 2 - Shackles 1 - Heaving line	200 feet of towline 4 - Side lines 4 - Fenders 2 - Shackles 1 - Heaving line	100 feet of towline 2 - Side lines 2 - Fenders	Same as Type 5
			<b>NOTES:</b> The AHJ determines appropriate mooring and towing lines to fit boats' capabilities			
Equipment	Per Team Member	Personal Protective Equipment	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5
			<b>NOTES:</b> 1. Equip boats with personal flotation devices (PFD) in accordance with USCG 33 CFR Part 175 2. Recommend equipping boats with anti-exposure coveralls or dry suits when operating in temperatures less than 60 degrees Fahrenheit			
Equipment	Per Boat	Safety Equipment	Not Specified	Not Specified	Not Specified	Not Specified
			<b>NOTES:</b> 1. Equip boats with visual distress signals in accordance with USCG 33 CFR Part 175.01 2. Equip boats with fire extinguishers in accordance with USCG 46 CFR Part 25 3. Boats must carry safety equipment in accordance with all applicable federal laws and regulations, and any other applicable state, local, tribal, and territorial laws, rules, and regulations			
Equipment	Per Boat	Navigation	Same as Type 2	Same as Type 3	Same as Type 4	1 - Global Positioning System (GPS) Unit
			<b>NOTES:</b> Recommend equipping boats with proper charts and maps, depending on the nature, purpose, and geographic locations of the response.			



RESOURCE TYPES			TYPE 1	TYPE 2	TYPE 3	TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Equipment	Per Boat	Communications	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5
			<b>NOTES:</b> Radios should have the capability to provide interoperable communication between dispatch center or command personnel, aviation support, and other operational units assigned to the same mission.			
Equipment	Per Boat	Electronic Waterway Surveillance	1 - Radar unit	Not Specified	Not Specified	Not Specified
			<b>NOTES:</b> Not Specified			
Equipment	Per Boat	First Aid	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5
			<b>NOTES:</b> Not Specified			

Superseded



RESOURCE TYPES			TYPE 5	NO TYPE 6	NO TYPE 7	NO TYPE 8
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Personnel	Per Team	Minimum	1	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Not Specified			
Personnel	Per Team	Management and Oversight	1 - National Incident Management System (NIMS) Type 1 Boat Operator (SAR)	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Intended for 12-hour performance capacity. Requestor may add additional Boat Operators based on mission and operational needs.			
Personnel	Per Team	Operations and Support	Not Specified	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Intended for 12-hour performance capacity. Requestor may add additional crew members based on mission and operational needs.			
Equipment	Per Team	Operations	1 - Boat For operations in special conditions, such as air boat, hovercraft, and swamp buggy	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> 1. Requestor may add additional boats and crew to the team based on mission and operational needs. 2. Boats must have ventilation systems in accordance with US Coast Guard (USCG)33 Code of Federal Regulations (CFR) Parts 175 and 183 and USCG 46 CFR Part 25. 3. Boats must have a Backfire Flame Arrestor in accordance with USCG 46 CFR Parts 25 and 58. 4. Boats must have a "Discharge of Oil Prohibited" placard and a system or items to prevent oil or oily waste from discharging into any waters in accordance with USCG 33 CFR Parts 151 and 155. 5. Boats must carry safety equipment in compliance with federal regulations.			
Equipment	Per Boat	Illumination and Warning	1 - Flashlight 1 - Sound producing device	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Boats must have navigation lights and sound producing devices in accordance with USCG 33 CFR Part 183.			
Equipment	Per Boat	Towing	Authority Having Jurisdiction (AHJ)-determined towline 2 - Side lines 2 - Fenders	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> The AHJ determines appropriate mooring and towing lines to fit boats' capabilities			

Superseded

RESOURCE TYPES			TYPE 5	NO TYPE 6	NO TYPE 7	NO TYPE 8
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Equipment	Per Team Member	Personal Protective Equipment	Personal Floatation Devices (PFD)	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> 1. Equip boats with personal flotation devices (PFD) in accordance with USCG 33 CFR Part 175 2. Recommend equipping boats with anti-exposure coveralls or dry suits when operating in temperatures less than 60 degrees Fahrenheit			
Equipment	Per Boat	Safety Equipment	Not Specified	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> 1. Equip boats with visual distress signals in accordance with USCG 33 CFR Part 175.01 2. Equip boats with fire extinguishers in accordance with USCG 46 CFR Part 25 3. Boats must carry safety equipment in accordance with all applicable federal laws and regulations, and any other applicable state, local, tribal, and territorial laws, rules, and regulations			
Equipment	Per Boat	Navigation	Not Specified	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Recommend equipping boats with proper charts and maps, depending on the nature, purpose, and geographic locations of the response.			
Equipment	Per Boat	Communications	1 - Very High Frequency (VHF)-FM marine radio (portable or installed)	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Radios should have the capability to provide interoperable communication between dispatch center or command personnel, aviation support, and other operational units assigned to the same mission.			
Equipment	Per Boat	Electronic Waterway Surveillance	Not Specified	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Not Specified			
Equipment	Per Boat	First Aid	Basic first aid kit	Not Applicable	Not Applicable	Not Applicable
			<b>NOTES:</b> Not Specified			

Superseded

## COMMENTS

1. The provider provides transportation, food, fuel, shelter, mechanical support, and communications, unless the provider and requestor make other arrangements

## REFERENCES

1. FEMA, NIMS 509: Boat Operator (Search and Rescue)
2. FEMA, NIMS 509: Boat Crew Member (Search and Rescue)
3. National Association of State Boating Law Administrators (NASBLA), Boat Operations and Training (BOAT) Program Manual, Volumes I, II, and III, 2010
4. NASBLA, Boat Program's Basic Crew Member Course
5. United States Coast Guard (USCG), Boat Crew Seamanship Manual, COMDTINST M16114.5C, 2003
6. USCG, A Boater's Guide to the Federal Requirements for Recreational Boats, 2010
7. USCG, Boat Operations and Training (BOAT) Manual, Volume I, COMDTINST M16114.32C, 2013
8. USCG 33 Code of Federal Regulations (CFR) Part 151: Vessels Carrying Oil, Noxious Liquid Substances, Garbage, Municipal or Commercial Waste, and Ballast Water, latest edition adopted
9. USCG 33 CFR Part 155: Oil or Hazardous Material Pollution Prevention Regulations for Vessels, latest edition adopted
10. USCG 33 CFR Part 175: Equipment Requirements, latest edition adopted
11. USCG 33 CFR Part 183: Boats and Associated Equipment, latest edition adopted
12. USCG 46 CFR Part 25: Requirements, latest edition adopted
13. USCG 46 CFR Part 58: Main and Auxiliary Machinery and Related Systems, latest edition adopted

## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

**Superseded**