



**Resource Typing Definition for Response
On-Scene Security, Protection, and Law Enforcement**

DIVER

RESOURCE CATEGORY	Public Safety and Security
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Diver performs underwater functions, including evidence collection and remains search and recovery
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource or in conjunction with a National Incident Management System (NIMS) typed team (Public Safety Dive Team) 2. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals, prior to deployment 3. This position typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
DESCRIPTION	Same as Type 2, PLUS: Performs specialty dives, such as: <ol style="list-style-type: none"> 1. Confined space/cave dives 2. Hazardous materials and contaminated water dives 3. Ice dives 4. Dives in depths greater than 130 feet 	Same as Type 3, PLUS: <ol style="list-style-type: none"> 1. Dives up to 130 feet 2. Performs technical lifting of objects up to 4,000 lbs. 3. Uses underwater metal detectors 4. Performs grid searches 5. Uses side-scan sonar equipment 6. Performs boat-based search patterns 	Same as Type 4, PLUS: <ol style="list-style-type: none"> 1. Dives up to 100 feet 2. Marks and recovers evidence 3. Performs technical lifting of objects up to 2,000 lbs. 4. Maps floor of water body 5. Records underwater scene 	The Diver: <ol style="list-style-type: none"> 1. Dives up to 60 feet 2. Performs basic search patterns 3. Performs tethered dives 4. Operates in black water conditions 5. Performs victim rescue and body recovery 6. May possess other specialty certifications and can use specialty skills based on incident needs 	Not Specified
EDUCATION	Same as Type 2	Same as Type 3	Same as Type 4	High school diploma or equivalent	Not Specified

DRAFT – PRE-DECISIONAL – DRAFT

DIVER



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COMPONENT	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
TRAINING	<p>Same as Type 2, PLUS: Completion of the following:</p> <ol style="list-style-type: none"> Training in specialty dives, such as: <ol style="list-style-type: none"> Contaminated Water Operations Confined Space/Cave Diving Ice Diving Training in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Waste Operations and Emergency Response Enriched air or rebreather certification Training in accordance with National Fire Protection Association (NFPA) 1006: Swiftwater Rescue Operations, or equivalent 	<p>Same as Type 3, PLUS: Completion of the following:</p> <ol style="list-style-type: none"> Training on Authority Having Jurisdiction (AHJ) approved underwater metal detectors Training on AHJ-approved side-scan sonar equipment AHJ-determined grid search training 	<p>Same as Type 4, PLUS: Completion of the following:</p> <ol style="list-style-type: none"> Advanced underwater evidence collection training that meets or exceeds Professional Association of Diving Instructors (PADI) Master Underwater Criminal Investigator training standards or Dive Rescue International (DRI) Underwater Crime Scene Investigator II training standards Search and recovery diver certification through PADI, DRI, or other nationally recognized curriculum Underwater videographer training through PADI, DRI, or other nationally recognized curriculum Deep diver certification through PADI, DRI, or other nationally recognized curriculum 	<p>Completion of the following:</p> <ol style="list-style-type: none"> IS-100: Introduction to the Incident Command System, ICS-100 IS-200: Incident Command System for Single Resource and Initial Action Incidents IS-700: National Incident Management System, An Introduction IS-800: National Response Framework, An Introduction Public Safety Diver training through PADI, DRI, or other nationally recognized curriculum Basic underwater evidence collection training that meets or exceeds PADI Underwater Criminal Investigator or DRI Underwater Crime Scene Investigator I training standards U.S. Coast Guard-approved boating safety course Training in accordance with OSHA 29 CFR Part 1910.120: Hazardous Materials Awareness 	<p>Underwater evidence collection includes:</p> <ol style="list-style-type: none"> Locating evidence Marking evidence Attaching markers to bodies, guns, and vehicles Documenting diver's involvement Measuring using triangulation on the surface Recording the item's depth Recovering evidence Handling evidence Maintaining chain of custody and records Scribing the evidence container



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EXPERIENCE	<p>Same as Type 2, PLUS: Knowledge of support needs for advanced dive and search patterns, including:</p> <ol style="list-style-type: none"> 1. Knowledge of contamination and decontamination procedures related to the underwater environment 2. Knowledge of dive-related health at depths greater than 130 feet 3. Knowledge and skills related to confined space and cave diving operations <p>Experience: Same as Type 2</p>	<p>Same as Type 3, PLUS: Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> 1. Ability to operate underwater metal detector 2. Ability to operate side scan sonar 3. Ability to design and execute a grid search based on given parameters <p>Experience: Same as Type 3</p>	<p>Same as Type 4, PLUS: Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> 1. Ability to operate AHJ-provided lifting equipment 2. Ability to operate AHJ equipment to map the floor of the water body 3. Ability to use the AHJ-provided underwater scene recording equipment <p>Experience: Performed at least four dives a year over a five-year period in conditions similar to those of the mission</p>	<p>Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> 1. Ability to use proper dive-related Personal Protective Equipment (PPE) 2. Ability to plan and chart the dive mission based on parameters 3. Knowledge of standard operating procedures, divers' hand signals, equipment limitations, and alternate communication and entanglement procedures 4. Ability to determine victim survivability 5. Ability to apply dive patterns and victim search patterns based on requestor-provided information 6. Ability to apply dive reference materials and witness interviews to develop a dive plan 7. Knowledge of local, state, and Federal laws related to evidence collection 8. Knowledge of health emergencies related to diving <p>Experience: Performed at least four dives a year over a two-year period in conditions similar to those of the mission</p>	Not Specified



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<p>PHYSICAL / MEDICAL FITNESS</p>	<p>Same as Type 2</p>	<p>Same as Type 3</p>	<p>Same as Type 4</p>	<ol style="list-style-type: none"> 1. Performs duties under arduous circumstances characterized by working consecutive 12-hour days under physical and emotional stress for sustained periods of time 2. Passes Watermanship Test and Basic Scuba Skills Evaluation as prescribed by International Association of Dive Rescue Specialists (IADRS) at least every year 3. Maintains AHJ-determined physical fitness standards suitable for the environment and typing through annual physicals with a physician that has knowledge of hyperbaric and dive-related illnesses; a PADI medical statement, a National Association of Underwater Instructors (NAUI) medical evaluation, and the NFPA 1582: Standard on Comprehensive Occupational Medical Program for Fire Departments all meet or exceed this physical fitness standard 	<p>Not Specified</p>



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CURRENCY	Same as Type 2	Same as Type 3	Same as Type 4	<ol style="list-style-type: none"> 1. Functions in this position during an operational incident, exercise, drill, or simulation at least once every year 2. Passes the IADRS Watermanship Test and Basic Scuba Skills Evaluation at least annually 3. Performs at least four dives annually that are similar to those expected to be performed on a deployment 	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Same as Type 2	Same as Type 3	Same as Type 4	Public Safety Diver certification through PADI, DRI, or other nationally recognized curriculum	Not Specified



COMMENTS

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

REFERENCES

1. FEMA, NIMS 508: Public Safety Dive Team, pending publication
2. FEMA, NIMS 509: Dive Team Leader, pending publication
3. FEMA, NIMS 509: Tender, pending publication
4. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Waste Operations and Emergency Response, latest edition adopted
5. National Wildfire Coordinating Group (NWCG), National Incident Management System Wildland Fire Qualification System Guide, PMS 310-1, Physical Fitness Levels, October 2016
6. National Fire Protection Association (NFPA) 1006: Swiftwater Rescue Operations, 2017
7. NFPA 1582: Standard on Comprehensive Occupational Medical Program for Fire Departments, 2013
8. International Association of Dive Rescue Specialists (IADRS), Annual Watermanship Test, 2011
9. IADRS, Annual Basic Scuba Skills Evaluation
10. Professional Association of Diving Instructors (PADI), Public Safety Diver certification
11. Dive Rescue International (DRI), Public Safety Diver certification