



Position Qualification for Mass Search and Rescue Operations
Search and Rescue

CANINE SEARCH SPECIALIST - WATER HUMAN REMAINS

RESOURCE CATEGORY	Search and Rescue
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Canine Search Specialist - Water Human Remains handles one canine that is trained to search for and detect human remains in and along bodies of stillwater and stillwater/flood
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 NIMS typed team (Canine Search Team - Water Human Remains). 2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment

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	NOTES
DESCRIPTION	Same as Type 2, PLUS: Handles one canine trained to search for and detect human remains in and along bodies of swiftwater and swiftwater/flood	The Canine Search Specialist - Water Human Remains: <ol style="list-style-type: none"> 1. Requests rescue, evacuation, and recovery resources 2. Performs medical care to include first aid 3. Deploys for up to 14 days, ready to deploy within 24 hours of notification, is self-sustainable for 72 hours upon arrival; handler determines duty cycle of dog based on assignment, environment, terrain, and other factors affecting detection performance 4. Provides: <ol style="list-style-type: none"> a. Safety of self and team members b. Basic medical care of self, team members, and survivors c. Simple decontamination of self and team members d. Basic ground support capability for helicopter operations 5. Coordinates with ground vehicles, watercraft, and aircraft for support, transportation, and evacuation 6. Operates in environments with and without infrastructure including those affected by disasters and terrorism; with compromised access to roadways, utilities, and transportation; and limited availability of shelter, food, and water 	Not Specified
EDUCATION	Not Specified	Not Specified	Not Specified



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COMPONENT	TYPE 1	TYPE 2	NOTES
<p>TRAINING</p>	<p>Same as Type 2, PLUS: Completion of training in the following: 1. Assessment of water conditions and determination of swiftwater hazards 2. Performance of self-rescue and survival swimming in swiftwater that meets or exceeds ASTM F1739: Standard Guide for Performance of a Water Rescuer - Level I or equivalent</p>	<p>Completion of the following: 1. IS-100: Introduction to Incident Command System (ICS) or ICS -100 2. IS-200: Basic Incident Command System for Initial Response, ICS-200 3. IS-700: National Incident Management System (NIMS), An Introduction 4. IS-800: National Response Framework, An Introduction 5. Training in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.1030: Bloodborne Pathogens 6. First aid to include cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED) 7. Canine first aid</p> <p>Completion of an Authority Having Jurisdiction (AHJ)-validated training program that meets or exceeds the recommendations specific to a Canine Search Specialist - Water Human Remains that includes, but is not limited to, the following: Awareness of the following: 1. ASTM International (ASTM) F3072: Standard Guide for Intermediate Wilderness Global Position System (GPS)-Global Navigation Satellite System (GNSS) Use (GPS-GNSS-IIW) Endorsement or equivalent 2. ASTM F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel or equivalent 3. Crime scene preservation</p> <p>Training in the following: 1. ASTM F2209: Standard Guide for Training of Level I Land Search Team Member or equivalent 2. ASTM F1847: Standard Guide for Demonstrating Minimum Skills of Search and Rescue Dogs and Handlers or equivalent 3. ASTM F1848: Standard Classification for Search and Rescue Dog Crew/Teams or equivalent 4. ASTM F1879: Standard Guide for Demonstrating (Continued)</p>	<p>Not Specified</p>



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COMPONENT	TYPE 1	TYPE 2	NOTES
TRAINING		(Continued) Obedience and Agility in Search and Rescue Dogs or equivalent 5. Performance of survival swimming and self-rescue in stillwater as defined in ASTM F1739: Standard Guide for Performance of a Water Rescuer - Level I or equivalent	
EXPERIENCE	Same as Type 2	Knowledge, Skills, and Abilities: 1. Knowledge of canine search and associated hazards 2. Knowledge of the capabilities of canine search 3. Understands canine search procedures during day and night operations Experience: Completion of the Canine Search Specialist - Water Human Remains Position Task Book (PTB) or equivalent documentation	Not Specified
PHYSICAL/MEDICAL FITNESS	Same as Type 2	1. Moderate 2. Meets minimum physical fitness and swimming standards set through Job Related Physical Ability Test (JRPAT) set by AHJ 3. Maintains AHJ-determined medical fitness suitable for the environment and job requirements 4. Maintains immunizations in accordance with the U.S. Department of Health and Human Services Centers for Disease Control's recommended adult immunization schedule for the United States of America 5. Licensed veterinarian performs annual examination on canine to verify canine has no defects or illnesses that would preclude performing during deployments	1. NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions. 2. Handler determines duty cycle of dog based on assignment, environment, terrain, and other factors affecting detection performance.
CURRENCY	Same as Type 2	1. Annual refresher of related SAR skills and abilities, at AHJ's determination 2. Operational incident experience or participation in planned event, exercises, drills, or simulations within three years of the AHJ's approval to serve as a Canine Search Specialist 3. Background checks as applicable law permits or requires	Provider must carry out and use any background checks as applicable law specifies. This may include a background check completed within past 12 months; sex-offender registry check; and a local, state, and a local, state, and national criminal history.



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COMPONENT	TYPE 1	TYPE 2	NOTES
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Same as Type 2, PLUS: Certified in Swiftwater: NASAR Canine Certification Programs, Canine HRD (Water), May 2006, Field Stations Only, Openwater Search Station or equivalent	1. Certified in Stillwater: National Association for Search and Rescue (NASAR) Canine Certification Programs, Canine HRD (Water), May 2006, Field Stations Only a. Shore-Based/Bank Search Stations 1 and 2 b. Openwater Search Station 2	Not Specified



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NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, NIMS 508: Canine Search Team – Water Human Remains
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for NQS, November 2017
4. FEMA, National Response Framework, June 2016
5. ASTM International (ASTM) F1739: Standard Guide for Performance of a Water Rescuer – Level I, 2012
6. ASTM F1847: Standard Guide for Demonstrating Minimum Skills of Search and Rescue Dogs and Handlers, 2014
7. ASTM F1848: Standard Classification for Search and Rescue Dog Crew/Teams, 2014
8. ASTM F2209: Standard Guide for Training of Level I Land Search Team Member, 2014
9. ASTM F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel, 2012
10. ASTM F3072: Standard Guide for Intermediate Wilderness GPS-GNSS Use (GPS-GNSS-IIW) Endorsement, 2014
11. National Association for Search and Rescue (NASAR) Canine Certification Programs, Canine HRD (Water), 2006
12. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.1030: Bloodborne Pathogens, latest edition adopted