



Position Qualification for Mass Search and Rescue Operations  
Search and Rescue

## CANINE SEARCH SPECIALIST - DISASTER/STRUCTURAL COLLAPSE HUMAN REMAINS

<b>RESOURCE CATEGORY</b>	Search and Rescue
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Canine Search Specialist handles one canine that is trained to search for and detect human remains in a collapsed structure
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<ol style="list-style-type: none"><li>1. This position can be ordered as a single resource or in conjunction with a NIMS typed team (Canine Search Team - Disaster/Structural Collapse Human Remains).</li><li>2. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment</li></ol>

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.



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COMPONENT	TYPE 1	TYPE 2	NOTES
<b>DESCRIPTION</b>	<p>Same as Type 2 PLUS: Handles one canine that is trained to search for and detect human remains in a collapsed structure defined as “heavy” and “medium” as per the UN INSARAG Guideline and Methodology for US&amp;R categories for structures</p> <p>1. Heavy construction: Failed structures of heavy floor, pre-cast concrete, reinforced concrete, steel frame construction, and mass transportation equipment 2. Medium construction: Failed structures of heavy wall and non-reinforced concrete construction, confined spaces (permit required), trenches and excavations</p>	<p>The Canine Search Specialist - Disaster/Structural Collapse Human Remains:</p> <p>1. Handles one canine that is trained to search for and detect human remains in a collapsed structure defined as “light” as per the United Nations (UN) International Search and Rescue Advisory Group’s (INSARAG) Guideline and Methodology for Urban Search &amp; Rescue (US&amp;R) categories for structures</p> <p>a. Light construction: Failed structures of light frame construction</p> <p>2. Requests rescue, evacuation, and recovery resources</p> <p>3. Performs medical care to include first aid</p> <p>4. 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</p> <p>5. Provides:</p> <p>b. Safety of self and team members c. Basic medical care of self, team members, and survivors d. Simple decontamination of self and team members e. Basic ground support capability for helicopter operations</p> <p>6. Coordinates with ground vehicles, watercraft, and aircraft for support, transportation, and evacuation 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</p>	Not Specified
<b>EDUCATION</b>	Not Specified	Not Specified	Not Specified



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COMPONENT	TYPE 1	TYPE 2	NOTES
<p><b>TRAINING</b></p>	<p>Same as Type 2</p>	<p>Completion of the following:</p> <ol style="list-style-type: none"> <li>1. IS-100: Introduction to Incident Command System (ICS) or ICS-100</li> <li>2. IS-200: Basic Incident Command System for Initial Response, ICS-200</li> <li>3. IS-700: National Incident Management System (NIMS), An Introduction</li> <li>4. IS-800: National Response Framework, An Introduction</li> <li>5. Training in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.1030: Bloodborne Pathogens</li> <li>6. First aid to include cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED)</li> <li>7. Canine first aid</li> </ol> <p>Completion of an Authority Having Jurisdiction (AHJ)-validated training program that meets or exceeds the recommendations specific to a Canine Search Specialist - Disaster/Structural Collapse Human Remains that includes, but is not limited to, the following:</p> <p>Awareness of the following:</p> <ol style="list-style-type: none"> <li>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</li> <li>2. ASTM F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel or equivalent</li> <li>3. Crime scene preservation</li> </ol> <p>Training in the following:</p> <ol style="list-style-type: none"> <li>1. FEMA National US&amp;R Response System Canine Search Specialist course or equivalent</li> <li>2. ASTM International (ASTM) F2209: Standard Guide for Training of Level I Land Search Team Member or equivalent</li> <li>3. ASTM F1847: Standard Guide for Demonstrating Minimum Skills of Search and Rescue Dogs and Handlers or equivalent</li> </ol> <p>(Continued)</p>	<p>Not Specified</p>



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COMPONENT	TYPE 1	TYPE 2	NOTES
<b>TRAINING</b>		(Continued) 4. ASTM F1848: Standard Classification for Search and Rescue Dog Crew/Teams or equivalent 5. ASTM F1879: Standard Guide for Demonstrating Obedience and Agility in Search and Rescue Dogs or equivalent	
<b>EXPERIENCE</b>	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. Understanding of canine search procedures during day and night operations  Experience: Completion of the Canine Search Specialist - Disaster/Structural Collapse Human Remains Position Task Book (PTB) or equivalent documentation	Not Specified
<b>PHYSICAL/MEDICAL FITNESS</b>	Same as Type 2	1. Arduous 2. Meets minimum physical fitness standards, in accordance with AHJ Job Related Physical Ability Test (JRPAT) 3. Maintains AHJ-determined medical standards suitable for the environment and job requirements 4. Maintains immunizations in accordance with the 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.
<b>CURRENCY</b>	Same as Type 2	1. Annual refresher of related SAR skills and abilities, at the AHJ's determination 2. Operational incident experience or participation in planned event, exercises, drills, or simulations within three years of 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.
<b>PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS</b>	Same as Type 2	FEMA Canine Search Team Certification Evaluation - Human Remains Detection or equivalent	Not Specified



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### NOTES

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

### REFERENCES

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1. FEMA, NIMS 508: Canine Search Team – Disaster/Structural Collapse Human Remains
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the National Qualification System, November 2017
4. FEMA, National Response Framework, June 2016
5. FEMA, National US&R Response System, Canine Search Specialist course
6. ANSI/EMAP 1-2016 National Urban Search and Rescue Standard, 2016
7. ASTM International (ASTM) F1847: Standard Guide for Demonstrating Minimum Skills of Search and Rescue Dogs and Handlers, 2014
8. ASTM F1848: Standard Classification for Search and Rescue Dog Crew/Teams, 2014
9. ASTM F2209: Standard Guide for Training of Level I Land Search Team Member, 2014
10. ASTM F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel, 2012
11. ASTM F3072: Standard Guide for Intermediate Wilderness GPS-GNSS Use (GPS-GNSS-IIW) Endorsement, 2014
12. United Nations (UN) International Search and Rescue Advisory Group (INSARAG), Guidelines and Methodology, 2012
13. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.1030: Bloodborne Pathogens, latest edition adopted