



## CANINE SEARCH TEAM - DISASTER/STRUCTURAL COLLAPSE LIVE

<b>DESCRIPTION</b>	The Canine Search Team - Disaster/Structural Collapse Live searches for and detects live human scent in failed structures and debris fields.
<b>RESOURCE CATEGORY</b>	Search and Rescue
<b>RESOURCE KIND</b>	Team
<b>OVERALL FUNCTION</b>	<p>The Canine Search Team - Disaster/Structural Collapse Live:</p> <ol style="list-style-type: none"> <li>1. Provides search services for detecting live human scent in failed structures and in debris fields</li> <li>2. Provides medical care to include first aid</li> <li>3. Conducts planning for team-level tactics</li> <li>4. Provides basic protection of personnel with regard to:             <ol style="list-style-type: none"> <li>a. Safety</li> <li>b. Emergency shelter</li> <li>c. Medical care</li> <li>d. Simple decontamination</li> <li>e. Basic ground support capability for helicopter operations</li> <li>f. Minor repair of personal or team equipment (Incident Logistics Support)</li> </ol> </li> <li>5. Operates in environments with and without infrastructure, including compromised access to roadways, utilities, transportation, and limited availability of shelter, food, and water</li> <li>6. Does not provide ambulance service, or transport of humans or animals to shelter or other locations</li> </ol>
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<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, the 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 working conditions, length of deployment, lodging, transportation, and meals</li> </ol> </li> <li>2. The requestor should specify mission location and operational environments, such as the presence of failed structures, water, type of terrain, weather, and hazardous materials contamination</li> <li>3. If the incident involves search in failed structures, the requestor should specify the construction environment conditions - heavy, medium, light - when ordering             <ol style="list-style-type: none"> <li>a. Heavy construction: Failed structures of heavy floor, pre-cast concrete, reinforced concrete, steel frame construction, and mass transportation equipment</li> <li>b. Medium construction: Failed structures of heavy wall and non-reinforced concrete construction, confined spaces (permit required), trenches and excavations</li> <li>c. Light construction: Failed structures of light frame construction</li> </ol> </li> <li>4. Requestor should order an adequate number of canine teams based on the physical endurance of the canines, search area, and environmental conditions</li> <li>5. The requestor should specify the need for additional vehicles, trailers, equipment, or supplies</li> <li>6. The handler determines duty cycle of the dog based on assignment, environment, terrain, and other factors affecting detection performance</li> <li>7. The requestor should order separately any additional specialized personnel, such as Advanced Life Support (ALS), medical, animal, logistics, advisors, or helicopter support</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.



Resource Typing Definition for Mass Search and Rescue Operations  
Search and Rescue

COMPONENT	TYPE 1	TYPE 2	NOTES
<b>MINIMUM PERSONNEL PER TEAM</b>	2	2	Not Specified
<b>MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM</b>	Not Specified	Not Specified	The requestor may need to order this resource in conjunction with an Urban Search and Rescue (US&R) Task Force or Structural Collapse SAR Team, which would provide oversight.
<b>SUPPORT PERSONNEL PER TEAM</b>	1 - NIMS Type 1 Canine Search Specialists - Disaster/Structural Collapse Live, with canine 1 - NIMS Type 1 Structural Collapse Search Technician or NIMS Type 1 Structural Collapse Rescue Technician	1 - NIMS Type 2 Canine Search Specialist - Disaster/Structural Collapse Live, with canine 1 - NIMS Type 2 Structural Collapse Search Technician or NIMS Type 2 Structural Collapse Rescue Technician	Not Specified
<b>GENERAL FUNCTION EQUIPMENT PER TEAM</b>	Same as Type 2	Equipment consistent with this resource's capabilities and needs to include the following: 1. Access and search 2. Ground support for air operations 3. Base and spike camp 4. Discipline-specific PPE and tools  Technical search equipment including: 1. Hand tools (shovels and bolt cutters) 2. Life safety rope 3. Rope access hardware 4. Rope access software	Provision of heavy equipment and tools is the responsibility of the US&R or Structural Collapse SAR Team providing oversight of this resource.
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE) EQUIPMENT PER TEAM MEMBER</b>	Same as Type 2	Minimum PPE consistent with this resource's capabilities and needs, including: 1. Helmet 2. Headlamp and batteries 3. Rescue harness 4. Eye protection 5. Hearing protection 6. Protective clothing 7. Gloves 8. Appropriate footwear 9. Personal medical kit 10. Survival kit 11. Foul weather clothing 12. Canine PPE	PPE should be equivalent to parameters set forth in American National Standard Institute (ANSI) Z359: Fall Protection Code.
<b>COMMUNICATIONS EQUIPMENT PER TEAM MEMBER</b>	Same as Type 2	1. Portable and mobile intra-team communications 2. Portable radios with ground to air capability 3. Charger for devices 4. Handheld Global Positioning System (GPS) units 5. Two-way handheld radios 6. Mobile phones	1. Intra-team and inter-team communications should be consistent with National Interoperability Field Operations Guide (NIFOG). 2. Consider alternate forms of communication, such as satellite phones, based on the mission assignment and team needs.



Resource Typing Definition for Mass Search and Rescue Operations  
Search and Rescue

COMPONENT	TYPE 1	TYPE 2	NOTES
<b>TRANSPORTATION EQUIPMENT PER TEAM</b>	Same as Type 2	Vehicle	Vehicle is for use in transporting team members and equipment and should be capable of 4-wheel drive if necessary for conditions.



## NOTES

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

---

## REFERENCES

1. FEMA, NIMS 509: Canine Search Specialist – Disaster/Structural Collapse Live
2. FEMA, NIMS 509: Structural Collapse Search Technician
3. FEMA, NIMS 509: Structural Collapse Rescue Technician
4. FEMA, NIMS 508: Structural Collapse Search Team
5. FEMA, NIMS 508: Structural Collapse Rescue Team
6. FEMA, NIMS 508: Urban Search and Rescue (US&R) Task Force
7. FEMA, National Incident Management System (NIMS), October 2017
8. ANSI/ASSE Z359.1-2007 Safety Requirements for Personal Fall Arrest Systems, Subsystems & Components
9. ANSI/EMAP 1-2016 National Urban Search and Rescue Standard, 2016
10. United Nations (UN) International Search and Rescue Advisory Group (INSARAG), Guidelines and Methodology, 2012
11. U.S. Department of Homeland Security, Office of Emergency Communications (OEC), National Interoperability Field Operations Guide (NIFOG), v. 1.5, 2014