

STRUCTURAL COLLAPSE RESCUE TEAM

DESCRIPTION	The Structural Collapse Rescue Team conducts rescue operations in collapsed structures and debris fields resulting from natural or human causes.
RESOURCE CATEGORY	Search and Rescue
RESOURCE KIND	Team
OVERALL FUNCTION	<p>The Structural Collapse Rescue Team:</p> <ol style="list-style-type: none"> 1. Conducts rescue operations for individuals and animals in a structural collapse environment 2. Conducts rescue and recovery operations in structural collapse technical rescue environments 3. Provides emergency medical care, including Basic Life Support (BLS) 4. Transports humans and animals to the nearest safe area for secondary land or air transport
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. Discuss logistics for deploying this team, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment. 2. Requestor specifies certain needs and issues prior to deployment, including: <ol style="list-style-type: none"> a. Mission location and operational environments, such as size and type of structure(s) b. Type of animal rescue involved, such as livestock, equine, companion, avian, non-domestic or exotic animals, if applicable c. Additional specialized personnel necessary, such as medical staff, animal rescue specialists, logistics specialists, advisors, helicopter support staff and heavy-equipment operators d. Additional transportation-related needs, such as specific vehicles, trailers, equipment, supplies, fuel and so on e. Additional heavy equipment necessary, such as cranes, aerial lifts (booms) and industrial style forklifts f. Additional specialty equipment, such as hardware, software, ropes, victim evacuation devices and Personal Protective Equipment (PPE) 3. This team relies on local emergency infrastructure for all rescued people and animal hand-off. 4. Operations in search and rescue (SAR) environments may be immediately dangerous to life and health (IDLH), per ASTM International (ASTM) F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel; requestor should consider the need for additional capabilities or endorsements.

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	NOTES
MINIMUM PERSONNEL PER TEAM	6	6	5	Not Specified
MANAGEMENT AND OVERSIGHT PERSONNEL PER TEAM	Same as Type 2	Same as Type 3	1 - National Incident Management System (NIMS) Structural Collapse Rescue Team Leader	Not Specified
SUPPORT PERSONNEL PER TEAM	Same as Type 2	Same as Type 3, PLUS: 1 - NIMS Structural Collapse Rescue Technician	4 - NIMS Structural Collapse Rescue Technician	Not Specified



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

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
CAPABILITIES PER TEAM	Same as Type 2, PLUS: Conducts rescue operations in heavy construction, in keeping with United Nations (UN) International Search and Rescue Advisory Group (INSARAG) urban search and rescue (US&R) guidance	Same as Type 3, PLUS: Conducts rescue operations in medium construction, in keeping with UN INSARAG US&R guidance	1. Conducts rescue operations in light construction, in keeping with UN INSARAG US&R guidance 2. Is capable of working in confined spaces, including permit-required, non-cave and non-mine environments	Not Specified
RESCUE EQUIPMENT PER TEAM	Same as Type 2, PLUS: 1. Cutting torches 2. Rebar cutters 3. Shoring equipment	Same as Type 3, PLUS: 1. Breaching and breaking equipment 2. Air bags 3. Hydraulic jacks	1. Hand tool package 2. Technical level rope rescue package	1. Hand tools include shovels, electric saws and bolt cutters. 2. Breaching and breaking equipment includes sledgehammers and crowbars. 3. Requestor orders additional heavy equipment, such as cranes, aerial lifts (booms) and industrial style forklifts, separately, if necessary.
VICTIM EXTRACTION EQUIPMENT PER TEAM	Same as Type 2	Same as Type 3	1. Litter basket 2. Litter wheel 3. Adjustable bridle 4. Patient harness system	Not Specified
PERSONAL PROTECTIVE EQUIPMENT (PPE) PER TEAM MEMBER	Same as Type 2	Same as Type 3	PPE is mission specific and varies by work environment; it may include: 1. Hard hat 2. Reflective vest 3. Gloves 4. Safety glasses 5. Protective clothing 6. Protective footwear 7. Dust masks or a respirator with extra filters	Not Specified
COMMUNICATIONS EQUIPMENT PER TEAM MEMBER	Same as Type 2	Same as Type 3	1. Two-way handheld radio 2. Mobile phone	Not Specified



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NOTES

1. Nationally typed resources represent the minimum criteria for the associated component and capability.
2. This document contains references to non-federal resources and materials. Such references do not constitute an endorsement by the U.S. government, or any of its employees, of the information or content which a non-federal resource or material provides.

REFERENCES

1. FEMA, NIMS 509: Structural Collapse Rescue Team Leader
2. FEMA, NIMS 509: Structural Collapse Rescue Technician
3. FEMA, National Incident Management System (NIMS), October 2017
4. FEMA, National Response Framework, October 2019
5. ASTM International (ASTM) F2890: Standard Guide for Hazard Awareness for Search and Rescue Personnel, latest edition adopted
6. United Nations (UN), Office for the Coordination of Humanitarian Affairs (OCHA), International Search and Rescue Advisory Group (INSARAG) Guidelines, latest edition adopted