

## LAND SEARCH AND RESCUE TECHNICIAN

<b>RESOURCE CATEGORY</b>	Search and Rescue
<b>RESOURCE KIND</b>	Personnel
<b>OVERALL FUNCTION</b>	The Land Search and Rescue (SAR) Technician performs land search, rescue, and recovery
<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 (Land Search and Rescue Team).</li> <li>2. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals, prior to deployment</li> <li>3. This position typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days</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.

COMPONENT	TYPE 1	TYPE 2	NOTES
<b>DESCRIPTION</b>	<p>Same as Type 2, PLUS:</p> <p>Performs search, rescue, and recovery in:</p> <ol style="list-style-type: none"> <li>1. Wilderness environments: Areas beyond a trailhead or eyesight distance of a backcountry two-wheel drive (2WD) road (approximately 200 feet) OR anywhere compromised local infrastructure experiences wilderness-type conditions, such as remoteness from public infrastructure support services; poor to no medical services or potable water; or compromised public safety buildings or communications systems</li> <li>2. Weather conditions including snow flurries and slippery ice surfaces</li> <li>3. YDS classes 1-3 terrain</li> </ol>	<p>The National Incident Management System (NIMS) Type 2 Land SAR Technician:</p> <ol style="list-style-type: none"> <li>1. Reports to the Land SAR Team Leader</li> <li>2. Performs search, rescue, and recovery in: <ol style="list-style-type: none"> <li>a. Land environments: Areas located within, or immediately next to, urban boundaries, no further than 0.5 miles (0.8 kilometers) from a road readily accessible by emergency personnel, and which may include parks, wild areas, private, state, and municipal lands</li> <li>b. Weather conditions not including snow or slippery ice conditions</li> <li>c. Yosemite Decimal System (YDS) classes 1-2 terrain</li> </ol> </li> <li>3. Operates within the Incident Command System (ICS) in an entry level position on a Land SAR Team</li> <li>4. Provides first aid and Cardiopulmonary Resuscitation (CPR)</li> <li>5. Provides: <ol style="list-style-type: none"> <li>a. Safety of self and team members</li> <li>b. Basic medical care of self, team members, and survivors</li> <li>c. Simple decontamination of self and team members</li> <li>d. Basic ground support capability for helicopter operations</li> </ol> </li> <li>6. Coordinates with ground vehicles, watercraft, and aircraft for support, transportation, and evacuation</li> <li>7. Operates in environments with and without infrastructure, including those affected by disasters and terrorism; with compromised access to roadways, utilities, and transportation; and with limited availability of shelter, food, and water</li> </ol>	Not Specified

Superseded

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<b>EDUCATION</b>	Not Specified	Not Specified	Not Specified
<b>TRAINING</b>	<p>Same as Type 2, PLUS:</p> <ol style="list-style-type: none"> <li>1. Completion of an Authority Having Jurisdiction (AHJ)-validated training program that meets or exceeds the recommendations from National Fire Protection Association (NFPA) or ASTM International (ASTM) specific to the following Land SAR Technician position-specific key skills and aptitudes:</li> <li>2. Hazard awareness, survival, navigation and search, rescue and recovery operations in: <ol style="list-style-type: none"> <li>a. YDS classes 1-3 terrain</li> <li>b. Weather conditions including snow flurries and minimally slippery ice surfaces</li> <li>c. Wilderness - low mountain interface training</li> </ol> </li> </ol>	<p>Completion of the following:</p> <ol style="list-style-type: none"> <li>1. IS-100: Introduction to Incident Command System, ICS-100</li> <li>2. IS-200: ICS for Single Resources and Initial Action Incidents</li> <li>3. IS-700: National Incident Management System, An Introduction</li> <li>4. IS-800: National Response Framework, An Introduction</li> <li>5. Basic Aviation Safety: Interagency Aviation Training (IAT) A-100 or equivalent</li> <li>6. Training in accordance with Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Materials Awareness</li> <li>7. Training in accordance with OSHA 29 CFR Part 1910.1030: Bloodborne Pathogens</li> </ol> <p>Completion of an Authority Having Jurisdiction (AHJ)-validated training program that meets or exceeds the recommendations from National Fire Protection Association (NFPA) or ASTM International (ASTM) specific to the following Land SAR Technician position-specific key skills and aptitudes:</p> <ol style="list-style-type: none"> <li>1. Basic land SAR environments training</li> <li>2. YDS classes 1-2 terrain training, including the following: <ol style="list-style-type: none"> <li>a. General SAR Hazard Awareness</li> <li>b. Navigation</li> <li>c. Survival</li> <li>d. Search, rescue, and recovery operations, including carryout to ground or air transportation</li> <li>e. All seasons weather, not including snow or slippery ice conditions</li> <li>f. Land - wilderness interface training</li> </ol> </li> <li>3. Basic first aid and cardiopulmonary resuscitation (CPR) training or equivalent, including automated external defibrillator (AED)</li> <li>4. Use, care, inspection, and maintenance of all related personal protective equipment (PPE), tools, and devices, training specific to this position type</li> </ol>	<p>YDS of classifying walking, hiking, and climbing terrain:</p> <ol style="list-style-type: none"> <li>1. Class 1: Walking with a low chance of injury.</li> <li>2. Class 2: Simple scrambling, with the possibility of occasional hand use and little potential danger.</li> <li>3. Class 3: Scrambling on an increased angle with increased exposure and necessary handholds. Falls could easily be fatal</li> <li>4. Class 4: Simple climbing, with exposure and rope use. Falls may well be fatal.</li> <li>5. Class 5: Technical rock climbing using a rope, specialized equipment and training to protect against a fall. Un-rope falls can result in severe injury or death.</li> <li>6. Class 6: Rock/Ice so shear and smooth that it is unclimbable without the use of aid, such as artificial and other devices: bolts, wedges, rope ladders, etc.</li> </ol>

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COMPONENT	TYPE 1	TYPE 2	NOTES
<b>EXPERIENCE</b>	Same as Type 2	<p>Knowledge, Skills, and Abilities:</p> <ol style="list-style-type: none"> <li>1. Knowledge of land SAR and associated hazards</li> <li>2. Knowledge of the capabilities of canine search</li> <li>3. Understanding of SAR procedures in the land environment during day and night operations</li> <li>4. Ability to identify and use appropriate PPE</li> <li>5. Ability to carry out land SAR</li> </ol> <p>Experience:</p> <p>Completion of a Land SAR Technician Position Task Book (PTB) or equivalent Authority Having Jurisdiction (AHJ) documentation</p>	Not Specified
<b>PHYSICAL/MEDICAL FITNESS</b>	Same as Type 2	<ol style="list-style-type: none"> <li>1. Performs duties under arduous circumstances, characterized by working consecutive 12-hour days under physical and emotional stress for sustained periods of time</li> <li>2. Meets minimum physical fitness standards, in accordance with the AHJ's Job Related Physical Ability Test (JRPAT)</li> <li>3. Maintains AHJ-determined medical fitness suitable for the environment and job requirements</li> <li>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</li> </ol>	Not Specified
<b>CURRENCY</b>	Same as Type 2	<ol style="list-style-type: none"> <li>1. Annual refresher of related SAR skills and abilities in land environments</li> <li>2. Functions in this position during an operational incident, planned event, participation in exercise, drill, or simulation once every three years or as the AHJ determines</li> <li>3. Background checks as applicable law permits or requires</li> </ol>	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	Not Specified	Not Specified

Superseded

## NOTES

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

## REFERENCES

1. FEMA, NIMS 508: Land Search and Rescue Team
2. FEMA, NIMS 509: Land Search and Rescue Team Leader
3. ASTM International (ASTM) F2209-2014: Standard Guide for Training of Level I Land Search Team Member, 2014
4. ASTM F2751-2009: Standard Guide for Training of Support Level Land Rescue Team Member (LRT-Support) Member, 2009
5. ASTM F2890-2012: Standard Guide for Hazard Awareness for Search and Rescue Personnel, 2012
6. ASTM WK45629: Training of Non-Wilderness Land Search Team Member
7. Mountain Rescue Association (MRA), Policy 105.1: National Compliancy Guideline, 2006
8. National Fire Protection Association (NFPA) 1006: Standard for Technical Rescuer Professional Qualifications, 2013
9. National Interagency Aviation Committee (NIAC), Interagency Aviation Training Subcommittee, Interagency Aviation Training (IAT) Guide, 2014
10. National Park Service (NPS) RM-59: National Park Service, Search and Rescue Reference Manual, 2011
11. National Wildfire Coordinating Group (NWCG), National Incident Management System (NIMS) Wildland Fire Qualification System Guide PMS 310-1, 2016
12. Yosemite Decimal System (YDS), Classifications for Terrain
13. Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Materials Awareness, latest edition adopted
14. OSHA 29 CFR Part 1910.1030: Bloodborne Pathogens, latest edition adopted

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