

COUNTY OF SONOMA - JOB DEMANDS ANALYSIS

JOB CLASSIFICATION: Volunteer-Search & Rescue
DEPARTMENT: Sheriff
DOT OCCUPATION CODE: 079.374-010;

DATE COMPLETED: May 2022
DIVISION: Law Enforcement
PHYSICAL DEMAND STRENGTH RATING: Heavy per Job Analysis

INSTRUCTIONS TO MEDICAL PROVIDERS COMPLETING THIS FORM:

Please use the “Medical Provider Use Only” columns to the right of each section and the “Medical Provider’s Comments & Signature” Section on the signature page to provide work restrictions by indicating whether there is some portion of each function that the employee can perform; designating whether each restriction is temporary or permanent; and, if restriction is temporary, stipulating the expected duration of work restriction(s). To finalize the form, please provide the name of the employee evaluated and additional comments, as appropriate, then sign and date where indicated.

FREQUENCY RATING:

| Frequency | Percentage of time per shift | Repetition (# times per shift) | 8 Hr Shift | 9 Hr Shift | 10 Hr Shift | 12 Hr Shift |
|------------------|------------------------------|--------------------------------|------------|------------|-------------|-------------|
| Never (N) | n/a | n/a | n/a | n/a | n/a | n/a |
| Occasionally (O) | 1 - 33% | 1 – 100 | 0 - 2.5 | 0 - 3 | 0 - 3.5 | 0 – 4 |
| Frequently (F) | 34 - 66% | 100 – 500 | 2.5 - 5.5 | 3 - 6 | 3.5 - 7 | 4 – 8 |
| Continuously (C) | 67 - 100% | 500+ | 5.5 – 8 | 6 - 9 | 7 - 10 | 8 - 12 |

PART 1 - JOB DUTIES/FUNCTIONS:

| A. Job Duty/Function | B. Job Duty # | C. Freq Rating | D. Equipment or tools used to perform (Describe) | E. Specialized Expertise, License, Certification Required? (Describe) | F. Reason position exists? (Y/N) | G. Essential or Non-Essential | Medical Provider Use Only: For each job duty/function, indicate in this column “Can Perform”, is “Temporarily Restricted” from performing, or is “Permanently Restricted” from performing. |
|---|---------------|----------------|---|---|----------------------------------|-------------------------------|--|
| The following duties are performed on an as needed volunteer basis; volunteers are called an average of 2 times per month, working up to 12 continuous hours during a rescue operation (longer if unforeseen circumstances, e.g., injury to another rescuer). | | | | | | | |
| Walks, climbs, and crawls for extended periods over all types of terrain, including rough, slippery, uneven surfaces and through building or residences damaged or destroyed by fire, earthquake, flood or other disaster, working in all types of weather and both daylight and dark/dim conditions to search for lost or missing persons; may wear backpack weighing up to 20 pounds to carry supplies necessary to sustain self for up to 48 hours, including food, water, first aid gear, radio, maps, etc. | 1 | C | Backpack, Radio, Maps, Compass, GPS, First Aid Kit, Survival Kit, Water, Food | | Y | Essential | |
| Uses sight and hearing to visually inspect and listen for signs of lost or missing persons. | 2 | C | Binoculars | | Y | Essential | |

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|--|---------------|----------------|---|---|----------------------------------|-------------------------------|--|
| Communicates with law enforcement personnel and other search and rescue team members, in person or by radio, to coordinate activities and provide status updates; attends community events and conducts public education presentations; interviews members of the public to obtain and record information; maintains a calm and professional manner in responding to and comforting emotionally distraught family members or friends of lost, missing, and deceased persons. | 3 | C | Two-way Radio, Cell Phone, Vehicle | | Y | Essential | |
| Utilizes ropes and pulleys to reach inaccessible areas, ties ropes and sets up pulley systems to raise and lower equipment and assist in raising injured persons weighing more than 100 pounds. | 4 | O | Ropes, Pulleys, Metal Litter | | Y | Essential | |
| Assists with lifting and carrying injured persons weighing over 100 pounds for extended periods through rough, slippery, uneven terrain. | 5 | O | Metal litter (with or without wheels) | | Y | Essential | |
| Performs first response emergency first aid, including CPR; calms injured persons; calls for assistance as necessary; maintains a calm and professional demeanor.. | 6 | O | AED, First Aid Kit | Emergency Medical Responder Certification | Y | Essential | |
| Reads maps, instructions, manuals; prepares incident reports. | 7 | O | Computer, Maps, Clipboard, Pen/Pencil, Phone, compass | | Y | Essential | |
| Testifies in court to make persuasive and critical presentations of facts. | 8 | O | | | N | Essential | |
| Drives to/from and during search and rescue operations, including remote, rugged, off road conditions; loads, unloads, secures, pulls, and sets-up trailers; inspects equipment and trailers and reports any damage, safety, or other issues. | 9 | O | Vehicle, Trailer, ATV, Folding Ramp | CA Class C Driver's License | Y | Essential | |
| Participates in training to maintain required certifications and licenses, and to maintain and enhance knowledge and skills necessary to perform assigned duties, including search and rescue techniques and other physical abilities. | 10 | O | | | N | Essential | |
| Lead Assignment Only: Works inside a mobile command trailer or other building to manage search including: Planning the search area, assigning tasks to other volunteers, coordinating resources with outside agency resources. | 11 | C | Two-way Radio, Phone, FAX, Maps | | Y | Essential | |

PART 2: PHYSICAL DEMANDS

| Activity | Examples of Duties/Functions Requiring Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY: Permanently Restricted |
|--|---|---|------------------------|------------------------------------|-------------------------------------|
| Sitting (i.e., driving; operating ATV; working command center to assign tasks, coordinate resources with other agencies) | 9,10,11 | O | | | |
| Walking (i.e., searching for lost or missing persons; inspecting equipment, trailers, vehicles) | 1,3,5,9,10 | C | | | |
| Running (i.e., evading/avoiding danger) | 1 | O | | | |
| Standing (i.e., searching for lost or missing persons; communicating with Law Enforcement; other Search and Rescue [SAR] team members, public, family and friends of victim, outside agencies) | 1,2,3,4,6,7,9,11 | C | | | |
| Bending-Neck (i.e., searching for lost or missing persons; tying ropes, setting up pulley systems; performing first aid; reading maps, instructions, manuals; looking at GPS or compass; preparing reports; driving; operating ATV) | 1,2,3,4,5,6,7,8,9,10,11 | C | | | |
| Bending-Waist (i.e., searching for lost or missing persons; performing first aid; inspecting equipment, trailers, vehicles) | 1,2,6,9 | F | | | |
| Squatting (i.e., searching for lost or missing persons; raising and lowering equipment or persons; performing first aid; inspecting equipment, trailers, vehicles) | 1,2,4,6,9 | O | | | |
| Climbing (i.e., searching for lost or missing persons; tying ropes, setting up pulley systems; assisting carrying injured persons) | 1,2,4,5,9,11 | F | | | |
| Kneeling (i.e., searching for lost or missing persons; raising and lowering equipment or persons; performing first aid; inspecting equipment, trailers, vehicles) | 1,2,4,6,9 | O | | | |
| Crawling (i.e., searching for lost or missing persons under bushes, rocks, etc.) | 1 | O | | | |
| Twisting-Neck (i.e., searching for lost or missing persons; reading maps, instructions, manuals; driving; operating ATV; performing first aid; inspecting equipment, trailers, vehicles) | 1,2,3,4,5,6,7,8,9,10,11 | C | | | |
| Twisting-Waist (i.e., searching for lost or missing persons; tying ropes, setting up pulley systems; performing first aid; inspecting equipment, trailers, vehicles) | 1,2,4,6,9 | C | | | |
| Repetitive Hand Use | 1,2,3,4,5,6,7,9,11 | C | | | |
| Simple Grasping-Right Hand (i.e., holding GPS, compass, binoculars, maps, instructions, manuals, phone, two-way radio; writing reports) | 1,2,3,6,7,9,11 | C | | | |
| Simple Grasping-Left Hand (i.e., holding GPS, compass, binoculars, maps, instructions, manuals, phone, two-way radio; writing reports) | 1,2,3,6,7,9,11 | C | | | |
| Power Grasping-Right Hand (i.e., tying ropes, setting up pulleys; raising and lowering equipment or persons; performing first aid; loading/unloading, secures, sets up equipment and trailers) | 4,5,6,9 | O | | | |
| Power Grasping-Left Hand (i.e., tying ropes, setting up pulleys; raising and lowering equipment or persons; performing first aid; loading/unloading, secures, sets up equipment and trailers) | 4,5,6,9 | O | | | |
| Fine Manipulation-Right Hand (i.e., adjusting GPS, | 3,4,6,7,11 | O | | | |

| Activity | Examples of Duties/Functions Requiring Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY: Permanently Restricted |
|---|---|---|------------------------|------------------------------------|-------------------------------------|
| two-way radio; tying ropes, setting up pulley systems; performing first aid; writing reports) | | | | | |
| Fine Manipulation-Left Hand (i.e., adjusting GPS, two-way radio; tying ropes, setting up pulley systems; performing first aid; writing reports) | 3,6,7,11 | O | | | |
| Pushing and Pulling-Right Hand (i.e., manipulating obstacles while searching for lost or missing persons; raising and lowering equipment or persons; assisting in lifting, carrying of persons; loading/unloading, securing, setting up equipment and trailers) | 1,4,5,6,9 | F | | | |
| Pushing and Pulling-Left Hand (i.e., manipulating obstacles while searching for lost or missing persons; raising and lowering equipment or persons; assisting in lifting, carrying of persons; loading/unloading, securing, setting up equipment and trailers) | 1,4,5,6,9 | F | | | |
| Reaching-Above shoulder level (i.e., manipulating obstacles while searching for lost or missing persons; raising equipment; assisting to raise injured persons; loading/unloading, securing, setting up equipment and trailers) | 1,4,9 | F | | | |
| Reaching-Below shoulder level (i.e., manipulating obstacles while searching for lost or missing persons; raising and lowering equipment or persons; assisting with lifting, carrying persons; performing first aid; reading maps, instructions, manuals; loading/unloading, securing, setting up equipment and trailers) | 1,4,5,6,7,9,11 | C | | | |
| Lifting up to 10 lbs. (i.e., Two-way radio; Maps; Compass; GPS; Cell Phone) | 1,2,4,6,7,11 | C | | | |
| Lifting 11-25 lbs. (i.e., backpack with necessary supplies, food, water; first aid kit; medical equipment) | 1,4,6 | F | | | |
| Lifting 26-50 lbs. (i.e., plastic tables; trailer hitch) | 4,5,9 | F | | | |
| Lifting 51-75 lbs. (i.e., team lift of persons, Repeater, generator) | 4,5 | O | | | |
| Lifting 76-100 lbs. (i.e., team lift of persons in litter) | 4,5,9 | O | | | |
| Lifting 100 + lbs. (i.e., team lift of persons in litter) | 4,5 | O | | | |
| Carrying 0-10 lbs. (i.e., Two-way radio; Maps; Compass; GPS; Cell Phone) | 1,2,4,6,7,11 | C | | | |
| Carrying 11-25 lbs. (i.e., backpack with necessary supplies, food, water; first aid kit; medical equipment) | 1,4,6 | C | | | |
| Carrying 26-50 lbs. (i.e., plastic tables; trailer hitch) | 4,5,9 | F | | | |
| Carrying 51-75 lbs. (i.e., team carry of victim in litter) | 4,5 | F | | | |
| Carrying 76-100 lbs. (i.e., team carry of victim in litter) | 4,5 | O | | | |

PART 3: SENSORY REQUIREMENTS

| Activity | Examples of Duties/Functions Requiring Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---|------------------------|------------------------------------|------------------------------------|
| Functional vision, normal or corrected (i.e., searching for lost or missing persons; reading maps, instructions, manuals, compass, GPS; driving; operating ATV; inspecting equipment, | 1,2,3,4,5,6,7,8,9,10,11 | C | | | |

| Activity | Examples of Duties/Functions Requiring Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|---|---|---|---------------------------|---------------------------------------|---------------------------------------|
| trailers, vehicles; writing reports) | | | | | |
| Functional color vision, normal or corrected (i.e., searching for lost or missing persons; reading maps, manuals, GPS; testifying in court, making persuasive and critical presentations of the facts) | 1,2,8 | N | | | |
| Functional night vision, normal or corrected (i.e., working rescue operation before and after daylight hours) | 1,2,4,5,6,7,9,11 | O | | | |
| Functional hearing, normal or corrected (i.e., listening for signs of lost or missing person; communicating via two-way radio, phone, in person; performing first aid) | 1,2,3,6,10,11 | C | | | |
| A sense of smell or taste (i.e., locating dead, decomposing bodies; assessing persons while performing first aid; inspecting equipment, trailers, vehicles) | 1,6,9 | F | | | |

PART 4: COMPREHENSION LEVEL

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|-----------------------------------|---|---------------------------|---------------------------------------|---------------------------------------|
| Follow Oral Instructions | C | | | |
| Follow Written Instructions | F | | | |
| Required to sustain concentration | C | | | |

PART 5: NATURE OF TASKS

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---------------------------|---------------------------------------|---------------------------------------|
| Follow set procedures | C | | | |
| Organize own work | O | | | |
| Able to ask questions or request assistance when needed | F | | | |
| Required to make decisions independently | O | | | |
| Required to train and/or lead others | O | | | |
| Required to direct others (e.g. planning, goal setting, performance) | O | | | |

PART 6: WORK PACE

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---------------------------|---------------------------------------|---------------------------------------|
| Tightly scheduled and rapid pace of work activities at high volume | O | | | |
| Meet time sensitive deadlines | O | | | |
| Long and/or irregular hours | F | | | |
| Limited/unpredictable opportunity for breaks | F | | | |
| Required to perform on-call or emergency work | C | | | |

PART 7: COMPLEXITY/VARIABILITY

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|---|---|---------------------------|---------------------------------------|---------------------------------------|
| Variable and unpredictable workflow | F | | | |
| Attention divided by issues requiring multi-tasking | F | | | |
| Work requires precise attention to detail | F | | | |

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---------------------------|---------------------------------------|---------------------------------------|
| Use of judgment in routine matters | F | | | |
| Requires use of judgment in adapting procedures from one task to another | O | | | |
| Possible legal ramifications associated with work activities or work product | C | | | |

PART 8: INTERACTIONS WITH OTHERS

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---------------------------|---------------------------------------|---------------------------------------|
| Works with others (e.g., co-workers, other departments/agencies, public) | C | | | |
| Interactions limited to giving/receiving information | O | | | |
| Interactions exceed giving/receiving information (e.g., advises, persuades, justifies) | O | | | |
| Interactions occur under circumstances of emotional stress | O | | | |
| Risk of confrontation with violent or assaultive clients or customers | O | | | |

PART 9: ENVIRONMENTAL FACTORS/WORKING CONDITIONS

| Activity | FREQUENCY RATING Never, Occasional; Frequent, or Constant | MEDICAL Can Perform | PROVIDER Temporarily Restricted | USE ONLY Permanently Restricted |
|--|---|---------------------------|---------------------------------------|---------------------------------------|
| Work Inside | O | | | |
| Work Outside | C | | | |
| Extreme Heat (above 100 degrees) (i.e., seasonal weather exposure) | O | | | |
| Extreme Cold (below 32 degrees) (i.e., seasonal weather exposure) | O | | | |
| Excessive Noise (must raise voice to be heard) | O | | | |
| Vibration (e.g., jack hammer, hammer drill, chainsaw, etc.) (i.e., chainsaws when cutting brush, trees) | O | | | |
| Dust, Vapors, Fumes, Smoke | O | | | |
| Silica, asbestos, etc. (i.e., searching buildings after a disaster) | O | | | |
| Solvents (e.g., gas, turpentine, etc.) | O | | | |
| Grease, oils | O | | | |
| Acidic, Caustic Solutions (i.e., after a disaster) | O | | | |
| Pesticides | O | | | |
| Explosives (e.g., dynamite, bomb, etc.) (i.e., can be found when searching old buildings or barns) | O | | | |
| Cleaning supplies, abrasives | O | | | |
| Other Chemicals (e.g. drugs and other contraband) (i.e., marijuana grow operations_ | O | | | |
| Human Blood, Body Tissues, or Fluids | O | | | |
| Human Wastes | O | | | |
| Animal Blood, Body Tissues, or Fluids | O | | | |
| Animal Wastes | O | | | |
| Biological Toxins (e.g., poison ivy, poison oak, anthrax, etc.) | F | | | |
| Insect Bites (e.g., ticks, mosquitos, spiders, etc.) | F | | | |
| Biomedical Waste | O | | | |
| Ionizing Radiation | N | | | |
| Non-Ionizing Radiation | N | | | |
| Electrical Energy | O | | | |
| Walking on uneven, slippery, or rough surfaces | C | | | |
| Proximity to moving mechanical parts (e.g., equipment, machinery) | F | | | |
| Proximity to moving vehicles or objects | F | | | |
| Heights (e.g., rooftop, ladders, scaffolding, etc.) | F | | | |
| Contact with water, other liquids, humid conditions - not weather related | F | | | |
| Work Below Ground: (e.g., excavation, trench, etc.) | O | | | |
| Potential exposure to airborne infectious diseases (e.g. clinics, labs, corrections) | O | | | |
| Operates non-commercial motor vehicles (cars, trucks) | F | | | |
| Operates commercial vehicles – CDL Class <u> N/A </u> Endorsements <u> N/A </u> | N | | | |
| Operates passenger van to transport clients, inmates, etc. | O | | | |
| Pulls non-commercial trailers or equipment | O | | | |
| Operates heavy equipment | N | | | |
| Other: N/A | N | | | |

PART 10: MEDICAL SCREENING, SURVEILLANCE AND VACCINATION REQUIREMENTS:

Please check each of the medical screening, surveillance, and vaccination requirements that apply to the position, and indicate if the requirement applies pre-employment/pre-placement only, or whether there are additional requirements after hire.

| Medical Screening, Surveillance or Vaccination | Pre-Hire | Post-Hire | Frequency (one time, annual, etc.) |
|--|----------|-----------|------------------------------------|
| Audiometric Testing | | | |
| DOT Drug and Alcohol Screening | | | |
| DOT Physical Exam | | | |
| Respirator Physical Exam | | | |
| Respirator Questionnaire – Short | | | |
| Respirator Questionnaire – Standard | | | |
| Blood lead level | | | |
| Hazardous Waste/Emergency Worker physical | | | |
| Heavy metal screen (mercury, lead, arsenic) | | | |
| HINT Hearing Noise Sensitivity Testing | | | |
| Tuberculosis skin test | | | |
| Vaccine: MMR | | | |
| Vaccine: Hepatitis B | X | X | 3-Shot Series |
| Vaccine: Influenza | | | |
| Vaccine: Meningococcal | | | |
| Vaccine: Pneumococcal | | | |
| Vaccine: Rabies | | | |
| Vaccine: Tdap | | | |
| Vaccine: Chickenpox | | | |

PART 11: ADDITIONAL INFORMATION, PICTURES, ETC.



Search & Rescue Command Post Trailer



Communications Room of Search & Rescue Command Post Trailer

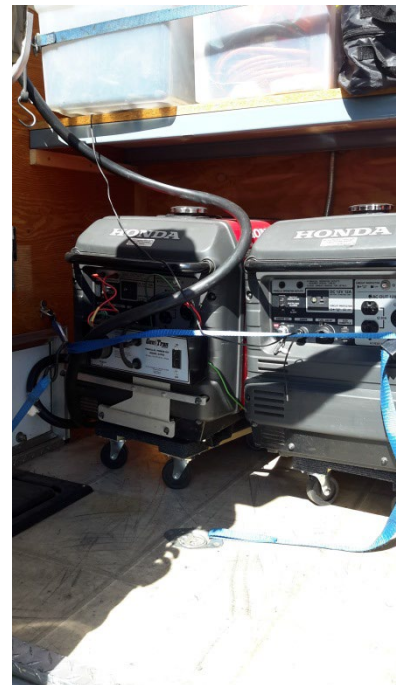


Medical Equipment and Supplies In Search & Rescue Command Post Trailer

Medical Equipment - up to 23 lbs.
Store at 30 inches high



Equipment in Search & Rescue Command Post Trailer



Portable Generators to power Search & Rescue Command Post Trailer
Generator 134 lbs. each; 2 person lift



Search & Rescue Supply Trailer



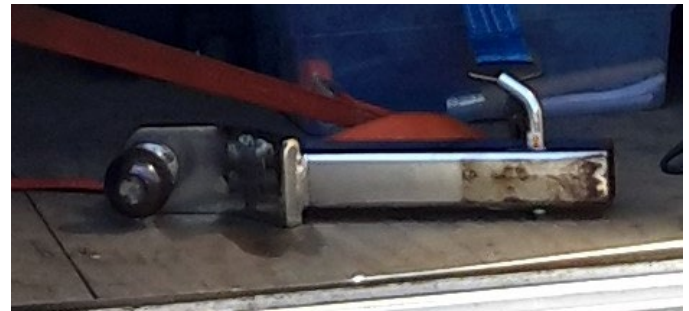
Search & Rescue ATV



Tri-Fold Aluminum Ramp- 30 lbs.



Rescue Litter – 31 lbs. empty; 2 to 6 person carry with patient



Trailer Hitch- 40 lbs.



Pack of Rescue Ropes-
300 ft. = 18 lbs.