

COUNTY OF SONOMA - JOB DEMANDS ANALYSIS

JOB CLASSIFICATION: Systems Software Analyst
DEPARTMENT: Information Systems Department
PHYSICAL DEMAND STRENGTH RATING: Light

DATE COMPLETED: June 2019
DIVISION: Technical Services

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/Not Required (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. 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.
While performing the following duties, employees in this position work in an office environment routinely using office equipment such as computers, phones, photocopiers, fax machines, etc. and also work in the data center, which is noisy and has lower temperatures.						
Works stand-by shifts outside of normal business hours, responding to urgent priority requests for troubleshooting; remotely accesses the data center to resolve the issue; must be available to access computer or return to county site during all stand-by hours.	1	F	Computer, phone		E	

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Maintains, manages, and performs system administration for assigned information technology systems, including servers and databases; ensures system availability; manages security of systems; installs and uninstalls computer hardware, software, and equipment; performs upgrades; manages storage, backup and recovery of data; follows complex and detailed instructions.	2	C	Computer, small computer tools, lift cart and ladder		E	
Actively monitors assigned information technology systems; analyzes, monitors, troubleshoots and resolves performance; runs reports and statistical analysis of system; performs tests of systems; performs index management; monitors for, researches, identifies and corrects any security breaches or potential issues; performs daily system checks; detects and responds to error messages.	3	F	Computer		E	
Analyzes, develops, and translates conceptual application designs into a functioning system design allocates, formats, and customizes vendor software releases to meet County requirements	4	C	Computer		E	
Communicates by phone, email, or in person with end users, vendors, and department staff to respond to system errors, supply information, and train staff on system operation.	5	F	Computer, phone		E	
Prepares documentation and reports; enters data into computer software; reads and interprets technical documentation and diagrams for troubleshooting or increased understanding of system configurations.	6	F	Computer		E	
Continuously observes safety practices and procedures; actively utilizes and implements established safety practices; reports or corrects unsafe conditions.	7	C			E	
Actively participates in department meetings and work groups; provides input and makes recommendations; responds to requests for information; provides information to co-workers	8	O	Computer		E	
Participates in continuous training, research, study, and reading, to keep current in information technology products, standards and best practices, and to maintain working knowledge of hardware and software applications of supported systems; attends off-site training.	9	O	Computer		E	

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. 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.
Installs hardware and equipment, on and off-site; delivers hardware to off-site locations; lifts and places equipment weighing up to 25 pounds, or up to 100 pounds with the assistance of other staff, onto equipment carts; works in confined and dusty spaces; bends, reaches, stoops, crawls; pulls heavy cables from below floors and overhead.	10	O	Vehicle, small computer tools, lift cart and ladder	CA Driver's License	N	

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
1 Sitting	1-6,8,9	C			
2 Walking	1,2,3,10	O			
3 Running	N/A	N			
4 Standing	1-10	C			
5 Bending-Neck	1-10	F			
6 Bending-Waist (ie, reaching for materials)	1-10	O			
7 Squatting (ie picking up equipment)	1-3,10	O			
8 Climbing	1,2,3,10	O			
9 Kneeling (computer installation)	1,2,3,10	O			
10 Crawling	1,2,3,10	O			
11 Twisting (neck)	1-10	F			
12 Twisting (waist)	1-10	O			
13 Repetitive Hand Use	1-10	C			
14 Simple Grasping-Right Hand	1-10	F			
15 Simple Grasping-Left Hand	1-10	F			
16 Power Grasping-Right Hand (ie, installing equipment)	1,2,3,10	O			
17 Power Grasping-Left Hand (ie, installing equipment)	1,2,3,10	O			
18 Fine Manipulation-Right Hand	1-10	F			
19 Fine Manipulation-Left Hand	1-10	F			
20 Pushing and Pulling (right hand) (ie, carts, drawers, doors)	1-10	O			
21 Pushing and Pulling (left hand) (ie, carts, drawers, doors)	1-10	O			
22 Reaching (above shoulder level) (ie, placing equipment)	1-10	O			
23 Reaching (below shoulder level) (ie, placing equipment)	1-10	O			
24 Lifting-up to 10 lbs. (ie, files, folders, mobile devices)	1-10	O			
25 Lifting-11-25 lbs. (ie computer hardware)	1,2,3,10	O			
26 Lifting-26-50 lbs. assisted lift (ie, computer hardware)	1,2,3,10	O			
27 Lifting 51-75 lbs. assisted lift (ie, computer hardware)	1,2,3,10	O			
28 Lifting 76-100 lbs.	N/A	N			
29 Lifting 100 + lbs.	N/A	N			
30 Carrying 0-10 lbs.	1,2,3,10	O			
31 Carrying 11-25 lbs.	N/A	N			
32 Carrying 26-50 lbs.	N/A	N			
33 Carrying 51-75 lbs.	N/A	N			
34 Carrying 76-100 lbs.	N/A	N			

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
1 Functional vision, normal or corrected	1-10	C			
2 Functional color vision, normal or corrected (ie, indicator lights)	1-4	O			
3 Functional night vision, normal or corrected	1	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
4 Functional hearing, normal or corrected	1-10	C			
5 A sense of smell or taste (burning of compounds, wires)	1,2,3,10	O			

PART 4: COMPREHENSION LEVEL

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

PART 5: NATURE OF TASKS

Activity	FREQUENCY RATING Never, Occasional; Frequent, or Constant	MEDICAL Can Perform	PROVIDER Temporarily Restricted	USE ONLY Permanently Restricted
1 Follow set procedures	C			
2 Organize own work	C			
3 Able to ask questions or request assistance when needed	C			
4 Required to make decisions independently	F			
5 Required to train and/or lead other staff	F			
6 Required to direct other staff (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
1 Tightly scheduled and rapid pace of work activities at high volume	O			
2 Meet time sensitive deadlines	O			
3 Long and/or irregular hours	O			
4 Limited/unpredictable opportunity for breaks	O			
5 Required to perform on-call or emergency work	O			

PART 7: COMPLEXITY/VARIABILITY

Activity	FREQUENCY RATING Never, Occasional; Frequent, or Constant	MEDICAL Can Perform	PROVIDER Temporarily Restricted	USE ONLY Permanently Restricted
1 Variable and unpredictable workflow	O			
2 Attention divided by issues requiring multi-tasking	C			
3 Work requires precise attention to detail	C			
4 Use of judgment in routine matters	C			
5 Requires use of judgment in adapting procedures from one task to another	F			
6 Possible legal ramifications associated with work activities or work product	O			

PART 8: INTERACTIONS WITH OTHERS

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

PART 9: ENVIRONMENTAL FACTORS/WORKING CONDITIONS:

Activity	FREQUENCY RATING Never, Occasional; Frequent, or Constant	MEDICAL Can Perform	PROVIDER Temporarily Restricted	USE ONLY Permanently Restricted
1 Work Inside	C			
2 Work Outside	O			
3 Extreme Heat (above 100 degrees)	O			
4 Extreme Cold (below 32 degrees)	O			
5 Excessive Noise (must raise voice to be heard)	O			
6 Vibration (e.g., jack hammer, hammer drill, chainsaw, etc.)	N			
7 Dust, Vapors, Fumes, Smoke	O			
8 Silica, asbestos, etc.	N			
9 Solvents (e.g., gas, turpentine, etc.)	N			
10 Grease, oils	N			
11 Acidic, Caustic Solutions	N			
12 Pesticides	N			
13 Explosives (e.g., dynamite, bomb, etc.)	N			
14 Cleaning supplies, abrasives	O			
15 Other Chemicals (e.g. drugs and other contraband)	N			
16 Human Blood, Body Tissues, or Fluids	N			
17 Human Wastes	N			
18 Animal Blood, Body Tissues, or Fluids	N			
19 Animal Wastes	N			
20 Biological Toxins (e.g., poison ivy, poison oak, anthrax, etc.)	N			
21 Insect Bites (e.g., ticks, mosquitos, spiders, etc.)	O			
22 Biomedical Waste	N			
23 Ionizing Radiation	N			
24 Non-Ionizing Radiation	N			
25 Electrical Energy	O			
26 Walking on uneven, slippery, or rough surfaces	O			
27 Proximity to moving mechanical parts (e.g., equipment, machinery)	N			
28 Proximity to moving vehicles or objects	N			
29 Heights (e.g., rooftop, ladders, scaffolding, etc.)	N			
30 Contact with water, other liquids, humid conditions - not weather related	N			
31 Work Below Ground: (e.g., excavation, trench, etc.)	N			
32 Potential exposure to airborne infectious diseases (e.g. clinics, labs, corrections)	N			
33 Operates non-commercial motor vehicles (cars, trucks)	O			
34 Operates commercial vehicles – CDL Class _____ Endorsements _____	N			
35 Operates passenger van to transport clients, inmates, etc.	N			
36 Pulls non-commercial trailers or equipment	N			
37 Operates heavy equipment	N			
38 Other:	N			

PART 10: MEDICAL SCREENING, SURVEILLANCE AND VACCINATION REQUIREMENTS: Not Applicable

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.)
1 Audiometric Testing			
2 DOT Commercial Driver Drug and Alcohol Screening			
3 DOT Commercial Driver Physical Exam			
4 Respirator Physical Exam			
5 Respirator Questionnaire – Short			
6 Respirator Questionnaire – Standard			
7 Blood lead level			
8 Hazardous Waste/Emergency Worker physical			
9 Heavy metal screen (mercury, lead, arsenic)			
10 HINT Hearing Noise Sensitivity Testing			
11 Tuberculosis skin test			
12 Vaccine: MMR			
13 Vaccine: Hepatitis B			
14 Vaccine: Influenza			
15 Vaccine: Meningococcal			
16 Vaccine: Pneumococcal			
17 Vaccine: Rabies			
18 Vaccine: Rabies Titer			
19 Vaccine: Tdap			
20 Vaccine: Chickenpox			

PART 11: ADDITIONAL INFORMATION, PICTURES, ETC.

PART 12 – FORM REVIEW AND SIGNATURES

SUPERVISOR/SECTION MANAGER

Name: _____ Title: _____

Signature: _____ Date: _____

HUMAN RESOURCES RECRUITMENT AND CLASSIFICATION

Name: _____ Title: _____

Signature: _____ Date: _____

HUMAN RESOURCES SAFETY UNIT

Name: _____ Title: _____

Signature: _____ Date: _____

HUMAN RESOURCES DISABILITY MANAGEMENT

Name: _____ Title: _____

Signature: _____ Date: _____

PART 13 – MEDICAL PROVIDER REVIEW AND COMMENTS

Employee Name: _____ Date of Evaluation: _____

COMMENTS: _____

Provider Signature: _____ Date: _____