



DBA

TDY MEDICAL STAFFING, INC.

TDY GOVERNMENT SERVICES

GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE CATALOG/PRICE LIST

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through **GSA Advantage!**, a menu-driven database system. The INTERNET address for **GSA Advantage!** is <http://www.gsaadvantage.gov>.

SCHEDULE TITLE: 736 - Temporary Administrative and Professional Staffing Services (TAPS)
FSC Group: 736

Contract No. GS-07F-0110X

CONTRACT PERIOD: November 15, 2010 through November 14, 2020
OPTION MODIFICATION NUMBER: PO-0010, effective date November 15, 2015

For more information on ordering from the Federal Supply Schedule for Temporary, Administrative and Professional Staffing Services click on the Ordering Procedures button at <http://www.gsa.gov/tempservices>.

CONTRACTOR:

**TDY MEDICAL STAFFING, INC. DBA
TDY GOVERNMENT SERVICES**

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Yardley, PA 19067
DUNS: 825065399 CAGE: 51JQ7
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kevin@tdymedical.com
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CONTRACTOR'S ADMINISTRATION SOURCE: Kevin Treiber

BUSINESS SIZE: Small Service Disabled Veteran Owned Small Business (SDVOSB)

CUSTOMER INFORMATION:

1.a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)

<u>SIN#</u>	<u>DESCRIPTION</u>
736-1	Administrative Support and Clerical Occupations
736-3	General Services and Support Occupations

1.b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN: N/A

1.c. HOURLY RATES AND DESCRIPTION OF ALL CORRESPONDING COMMERCIAL JOB TITLES, EXPERIENCE, FUNCTIONAL RESPONSIBILITY AND EDUCATION: All hourly rates shown are firm-fixed-price. See the following price list for hourly rates for our preponderance of work location and labor categories. See the Job Descriptions provided after the pricing information.

2. MAXIMUM ORDER*: \$100,000 per SIN.

*If the best value selection places your order over the Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contactor for a better price. The contractor may (1) offer a new price for this requirement (2) offer the lowest price available under this contract or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the schedule contract in accordance with FAR 8.404.

3. MINIMUM ORDER: \$100 unless the contractor agrees to accept a smaller order amount.

4. GEOGRAPHIC COVERAGE:

Any nationwide location listed in the SCA Wage Index Matrix.

The preponderance of work location has been identified as:

California, Counties of Marin, San Francisco and San Mateo, Wage Determination No. 2005-2059, Revision 16 dated 12/22/2014.

TDY Medical Staffing, Inc. DBA TDY Government Services may perform work at any of the nationwide locations listed in the SCA Wage Index Matrix. Service in an area with lower SCA rates than the stated preponderance of work location, resulting in lower wages being paid, will have the prices for that Task Order discounted accordingly.

5. POINT(S) OF PRODUCTION: N/A

6. DISCOUNT FROM LIST PRICES: N/A

7. QUANTITY DISCOUNT(S): None.

8. **PROMPT PAYMENT TERMS:** Net 30 days.
- 9.a. **Government Purchase Cards are accepted at or below the micro-purchase threshold.**
- 9.b. **Government Purchase Cards are accepted above the micro-purchase threshold**
10. **FOREIGN ITEMS:** None
- 11.a. **TIME OF DELIVERY:** N/A
- 11.b. **EXPEDITED DELIVERY:** N/A
- 11.c. **OVERNIGHT AND 2-DAY DELIVERY:** N/A
- 11.d. **URGENT REQUIRMENTS:** Agencies can contact the Contractor's representative to effect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.
12. **FOB POINT:** N/A
- 13.a. **ORDERING ADDRESS:** Same as contractor address. Customer should contact contractor for additional addresses.
- 13.b. **ORDERING PROCEDURES:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.
14. **PAYMENT ADDRESS:** Same as contractor address.
15. **WARRANTY PROVISION:** Standard Commercial Warranty. Customer should contact contractor for a copy of the warranty.
16. **EXPORT PACKING CHARGES:** N/A
17. **TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE (any thresholds above the micro-purchase level):** None.
18. **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (if applicable):** N/A
19. **TERMS AND CONDITIONS OF INSTALLATION (if applicable):** N/A
20. **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (if applicable):** N/A

- 20.a. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (if applicable):** N/A
21. **LIST OF SERVICE AND DISTRIBUTION POINTS (if applicable):** N/A
22. **LIST OF PARTICIPATING DEALERS (if applicable):** N/A
23. **PREVENTIVE MAINTENANCE (if applicable):** N/A
- 24.a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** N/A
- 24.b. **Section 508 Compliance for EIT:** N/A
25. **DUNS NUMBER:** 825065399
26. **NOTIFICATION REGARDING REGISTRATION IN CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE:** Contractor has an Active Registration in the CCR database as TDY Medical Staffing, Inc.

PRICE LIST FOR HOURLY RATES

SIN 736 -1

SIN	Description	Hourly Rate
***	Accounting Clerk I	\$33.36
***	Accounting Clerk II	\$36.71
***	Accounting Clerk III	\$40.33
***	Administrative Assistant	\$53.06
***	Court Reporter	\$48.59
***	Data Entry Operator I	\$29.50
***	Data Entry Operator II	\$31.63
***	Dispatcher, Motor Vehicle	\$50.41
***	Document Preparation Clerk	\$29.70
***	Duplication Machine Operator	\$29.70
***	General Clerk I	\$30.25
***	General Clerk II	\$32.44
***	General Clerk III	\$35.92
***	Housing Referral Assistant	\$49.96
***	Messenger Courier	\$27.71
***	Order Clerk I	\$31.94
***	Order Clerk II	\$34.37
***	Personal Assistant (Employment) I	\$36.22
***	Personal Assistant (Employment) II	\$39.84
***	Personal Assistant (Employment) III	\$43.66

***	Production Control Clerk	\$48.77
***	Receptionist	\$32.29
***	Rental Clerk	\$35.66
***	Scheduler, Maintenance	\$41.24
***	Secretary I	\$41.27
***	Secretary II	\$45.44
***	Secretary III	\$49.96
***	Service Order Dispatcher	\$49.71
***	Supply Technician	\$53.06
***	Survey Worker	\$40.66
***	Travel Clerk I	\$29.55
***	Travel Clerk II	\$32.48
***	Travel Clerk III	\$35.81
***	Word Processor I	\$37.70
***	Word Processor II	\$41.58
***	Word Processor III	\$45.79

SIN 736-3

***	Materials Handling And Packing Occupations	
***	Materials coordinator	\$48.77
***	Material Expediter	\$48.77
***	Material Handling Laborer	\$31.49
***	Order Filler	\$29.84
***	Shipping Packer	\$33.17
***	Shipping / Receiver Clerk	\$33.17
***	Stock Clerk	\$36.54
***	Warehouse Specialist	\$35.86
***	Electronic Tech I	\$52.56
***	Electronic Tech II	\$55.19
***	Electronic Tech III	\$57.85
***	Forklift Operator	\$35.86
***	Production Line Worker (Food Processing)	\$35.86
***	Store Worker I	\$28.22
***	Tools and Parts Attendant	\$35.86
***	Food Preparation And Service Occupations	
***	Cook I	\$31.10
***	Cook II	\$36.62
***	Dishwasher	\$25.05
***	Food Service Worker	\$25.05
***	General Services And Support Occupations	
***	Cleaner, Vehicles	\$25.84
***	Elevator Operator	\$27.56
***	Gardener	\$42.28

***	Housekeeping Aide I	\$28.76
***	Janitor	\$28.76
***	Laborer, Grounds Maintenance	\$33.93
***	Maid or Houseman	\$25.58
***	Pruner	\$32.25
***	Tractor Operator	\$38.93
***	Trail Maintenance Worker	\$33.93
***	Window Cleaner	\$30.55
***	Laundry, Dry-Cleaning, Pressing And Related Occupations	
***	Washer, Machine	\$24.38
***	Machine Tool Operation And Repair Occupations	
***	Machine-Tool Operator (Toolroom)	\$40.85
***	Tool and Die Maker	\$47.08
***	Materials Handling And Packing Occupations	
***	Forklift Operator	\$35.86
***	Production Line Worker (Food Processing)	\$35.86
***	Store Worker I	\$28.22
***	Tools and Parts Attendant	\$35.86
***	Mechanics And Maintenance And Repair Occupations	
***	Aircraft Mechanic I	\$50.24
***	Aircraft Mechanic II	\$52.51
***	Aircraft Mechanic III	\$54.47
***	Aircraft Mechanic Helper	\$38.35
***	Aircraft Servicer	\$43.45
***	Aircraft Worker	\$45.73
***	Appliance Mechanic	\$40.86
***	Bicycle Repairer	\$34.35
***	Cable Splicer	\$52.98
***	Carpenter, Maintenance	\$45.77
***	Carpet Layer	\$44.27
***	Electrician, Maintenance	\$62.71
***	Fabric Worker	\$42.88
***	Fire Alarm System Mechanic	\$46.81
***	Fire Extinguisher Repairer	\$41.58
***	Fuel Distribution System Mechanic	\$51.96
***	Fuel Distribution System Operator	\$42.22
***	General Maintenance Worker	\$40.33
***	Heating, Ventilation and Air Cond. Mechanic (HVAC)	\$49.18
***	HVAC Mechanic (research facility)	\$51.39
***	Heavy Equipment Mechanic	\$52.72
***	Instrument Mechanic	\$54.84
***	Laborer	\$30.44
***	Locksmith	\$39.30
***	Machinery Maintenance Mechanic	\$49.12

***	Machinist, Maintenance	\$47.60
***	Maintenance Trades Helper	\$31.95
***	Millwright	\$55.35
***	Painter, Maintenance	\$44.51
***	Pipefitter, Maintenance	\$54.24
***	Plumber, Maintenance	\$53.73
***	Pneudraulic Systems Mechanic	\$50.94
***	Rigger	\$48.44
***	Scale Mechanic	\$46.35
***	Sheet-Metal Worker, Maintenance	\$53.39
***	Small Engine Mechanic	\$38.37
***	Telecommunication Mechanic I	\$48.88
***	Telecommunication Mechanic II	\$51.07
***	Telephone Lineman	\$46.06
***	Welder, Combination, Maintenance	\$41.39
***	Well Driller	\$50.44
***	Woodcraft Worker	\$50.94
***	Woodworker	\$39.74
***	Recreation Occupations	
***	Lifeguard	\$27.13
***	Park Attendant (Aide)	\$36.82
***	Recreation Aide/Health Facility Attendant	\$29.38
***	Recreation Specialist	\$38.08
***	Stevedoring/Longshoremen Occupational Services	
***	Blocker And Bracer	\$50.37
***	Hatch Tender	\$50.37
***	Line Handler	\$50.37
***	Stevedore I	\$47.81
***	Stevedore II	\$52.88
***	Miscellaneous Occupations	
***	Cashier	\$26.37
***	Desk Clerk	\$26.90
***	Sales Clerk	\$29.70
***	School Crossing Guard (Crosswalk Attendant)	\$27.02
***	Survey Party Chief	\$67.98
***	Surveying Aide	\$41.87
***	Surveying Technician	\$48.30

Wage Determination No.: **2005-2059**

Revision 16

Date of last revision 12/22/2014

Division of Wage Determinations

State: California

Area: California COUNTIES OF Marin, San Francisco, San Mateo

If work is performed in an area with lower SCA rates than the stated preponderance of work location, resulting in lower wages being paid, the prices for that task order will be discounted accordingly.

JOB DESCRIPTIONS

SIN 736-1 - ADMINISTRATIVE SUPPORT AND CLERICAL OCCUPATIONS

ACCOUNTING CLERK I

This position is responsible for performing one or more routine accounting clerical operations such as: examining, verifying, and correcting various accounting documents to ensure completeness and accuracy of data in accordance to accounting procedures. Specific tasks/duties are assigned under adequate supervision. Entry-level reconciliation and posting will be assigned under detailed guidance. In most instances, an employee in this position will rely on the supervisors' instructions. Completed work will be reviewed for accuracy and compliance with procedures.

ACCOUNTING CLERK II

This position uses knowledge of double entry bookkeeping in performing one or more of the following: posting actions to journals, identifying subsidiary accounts affected, making debit and credit entries, and assigning proper codes. The Accounting Clerk II may review computer printouts against manually maintained journals, detect and correct erroneous postings, and prepare documents to adjust accounting classifications and other data, or review lists of transactions rejected by an automated system. In this instance, the Accounting Clerk II will determine reasons for rejections, and prepare necessary correcting material. On routine assignments, an employee will select and apply established procedures and techniques. Detailed instructions are provided for difficult or unusual assignments. Completed work and methods used, are reviewed for technical accuracy.

ACCOUNTING CLERK III

The Accounting Clerk III maintains journals or subsidiary ledgers of an accounting system and balances and reconciles accounts. Typical duties include one or both of the following: 1.) reviewing invoices and statements verifying information, ensuring sufficient funds have been obligated, and if questionable, resolving with the submitting unit determining accounts involved. The review will include coding transactions, and processing material through data processing for application in the accounting system; 2.) analysis and reconciliation of computer printouts with operating unit reports (contacting units, researching causes of discrepancies, and taking action to ensure that accounts balance). Supervisor provides suggestions for handling unusual or non-recurring transactions. Conformance with requirements and technical soundness of completed work are reviewed by the supervisor, or are controlled by mechanisms built into the accounting processes.

ADMINISTRATIVE ASSISTANT

In addition to secretarial duties (filing, taking phone calls, scheduling appointments, making travel arrangements), this position will provide administrative support to executive staff with office management responsibilities to include budgeting, personnel records and payroll. The Administrative Assistant may be required to work independently on projects requiring research and preparation of briefing charts and other presentation materials.

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COURT REPORTER

This position records examination, testimony, judicial opinions, judge's charge to jury, judgment or sentence of court, or other proceedings in a court of law by manual or machine shorthand. The Court Reporter reads portions of transcript during trial at the judge's request, and asks speakers to clarify inaudible statements. The Court Reporter transcribes recorded material using a typewriter, or dictates material into a recording machine.

DATA ENTRY OPERATOR I

This position works under close supervision and follows specific procedures or detailed instructions. The Data Entry Operator I works from various standardized source documents that have been coded and require little or no selecting, coding or interpreting of data. Problems such as erroneous items and codes, or missing information are resolved at the supervisory level. Work is routine and repetitive.

DATA ENTRY OPERATOR II

This position requires the application of experience and judgment in selecting procedures to be followed, and searching for interpreting, selecting, or coding items to be entered from a variety of document sources. The Data Entry Operator II may occasionally perform routine work as described for Data Entry Operator I.

Excluded are operators above Level II using the key entry controls to access, read, and evaluate the substance of specific records to take substantive actions, or to make entices requiring a similar level of knowledge.

DISPATCHER, MOTOR VEHICLE

This position is responsible for the assignment of motor vehicles and drivers for conveyance of freight or passengers, and compiles lists of available vehicles. The assignment of vehicles is determined by factors such as length and purpose of trip, freight or passenger requirements, and preference of user. Additional responsibilities include the issuance of keys, record sheets, and driver credentials. The Dispatcher records time of departure, destination, cargo, expected time of return and investigates overdue vehicles. The Dispatcher may confer with customers to expedite or locate missing, misrouted, delayed or damaged merchandise, maintain record of mileage, fuel used, repairs made, and other expenses. The Dispatcher may establish service or delivery routes, supervise loading and unloading, issue equipment to drivers, (such as hand trucks, dollies, and blankets), direct activities of drivers, assign helpers to drivers, work at vehicle distribution centers, and assign vehicles to customer agencies.

DOCUMENT PREPARATION CLERK

This position prepares documents such as brochures, books, periodicals, catalogs, and pamphlets for copying or photocopying. The Document Preparation Clerk cuts documents into individual standardized pages, using a paper cutter or razor knife. Document pages are reproduced as necessary to improve clarity or to adjust the standardized page size according to the limitations of the designated copy machine. The Document Preparation Clerk stamps standard symbols on pages or inserts instruction cards to notify Duplicating Machine Operator of special handling, prepares cover sheets and document folders for material, and index cards for files, and files folder according to index code and copies priority schedule.

DUPLICATING MACHINE OPERATOR

This position operates one or more photocopying, photographic, mimeograph and duplicating office machines to make copies of documents such as letters, reports, directives, manuals, articles and bulletins. Additional responsibilities include: operating small binding machines, performing clerical duties associated with the request for printing and photographic services, preparing assembly sheets, printing requisitions with specifications for printing and binding, recording, delivering and collecting work. The Duplicating Machine Operator performs minor repairs preventive maintenance, and maintains an inventory of supplies and reproduction equipment paying particular attention to important variables indicated by trade name of machine.

GENERAL CLERK I

This position follows clearly detailed specific procedures in completing several repetitive clerical steps performed in a prescribed or slightly varied sequence, such as coding and filing documents in an extensive alphabetical file; could involve simple posting to individual accounts, opening mail, calculating and posting charges to departmental accounts, operating basic office equipment, e.g., photocopier, facsimile, multi-line phone/voicemail systems, mailing machines, and minimal computer programs. Little or no subject-matter knowledge is required, but the clerk uses his or her own judgment in choosing the proper procedure for each task.

GENERAL CLERK II

This position requires familiarity with the terminology of the office unit. The General Clerk selects appropriate methods from a wide variety of procedures or makes simple adaptations and interpretations of a limited number of substantive guides and manuals. The clerical steps often vary in type or sequence, depending on the task. Recognized problems are referred to others.

GENERAL CLERK III

This position uses some subject-matter knowledge and judgment to complete assignments consisting of numerous steps varying in nature and sequence. The General Clerk III selects from alternative methods and refers problems not solvable by adapting or interpreting substantive guides, manuals, or procedures. Typical duties include: assisting in a variety of administrative matters; maintaining a wide variety of financial or other records (stored both manually and electronically); verifying statistical reports for accuracy and completeness; compiling information; and handling and adjusting complaints.

The General Clerk III may also direct lower level clerks. Positions above level IV are excluded. Such positions require workers to use a thorough knowledge of an office's work and routine to: 1) choose among widely varying methods and procedures to process complex transactions; and 2) select or devise steps necessary to complete assignments. Typical jobs covered by this exclusion include administrative assistants, clerical supervisors, and office managers.

HOUSING REFERRAL ASSISTANT

This position provides housing information to an organization's employees moving to a new location. The Housing Referral Assistant will contact individuals or organizations such as landlords, real estate agents, mobile home dealers, trailer court managers and Chambers of Commerce by phone. May correspond to obtain listings of rental or sale properties, future housing prospects, and to develop a working relationship with the housing referral service. Job tasks include: compiling housing lists of rental property and properties for purchase. Periodically the Housing Referral Assistant communicates with contacts to update listings, ensures that property owners comply with the nondiscrimination policy, and counsels applicants with regard to special circumstances, e.g. medical or financial hardships, and availability of housing that will meet applicants' needs.

Job tasks include: providing information regarding community services, searches files, makes telephone calls and referrals, providing information regarding locations, owners, agents, price ranges, loans and other related information. The Housing Referral Assistant maintains daily records of office activities (including number of applicants, number of applicants placed, and agents solicited or listed), schedules appointments for housing inspectors, prepares reports as required, and replies to complaints, investigations and letters of inquiry.

MESSENGER COURIER

The Messenger Courier delivers messages, documents, packages and mail to various business concerns or governmental agencies. An employee in this role may perform the following: miscellaneous errands, such as carrying mail within the base and sorting or opening incoming and outgoing mail, obtain receipts for articles delivered and keep a log of items received and delivered, or deliver items to offices and departments within an establishment. The Messenger Courier may use a bicycle, golf cart, or motorcycle to perform these duties.

ORDER CLERK I

Handles orders involving items which have readily identified uses and applications. May refer to a catalog, manufacturer's manual or similar document to insure that proper item is supplied or to verify price of ordered item.

ORDER CLERK II

Handles orders that involve making judgments such as choosing which specific product or material from the establishment's product lines will satisfy the customer's needs, or determining the price to be quoted when pricing involves more than merely referring to a price list or making some simple mathematical calculations.

PERSONNEL ASSISTANT I

This position performs a variety of tasks including, but not limited to, clerical and secretarial duties. The work is under general supervision of higher-level personnel in preparation of various human resource tasks throughout compensation, benefits, staffing/employment, EEO procedures and policy administration. The Personnel Assistant I is expected to exercise discretion at all times; limited judgment may be necessary at times. This assistant may be required to operate general office equipment such as: typewriter, personal computer, copier, adding machine, and facsimile.

PERSONNEL ASSISTANT II

This position serves as a clerical expert in independently processing the most complicated types of personnel actions, e.g., temporary employment, rehires, and dismissals. In this position, one may perform tasks beyond routine clerical such as: pre-employment drug screening and new hire orientation, responding to routine questions on policy and procedures, and/or provide reports on employee turnover or time and attendance. This assistant may be asked to evaluate and consolidate information from various sources under short deadlines, such as internal or external survey information, reporting on company employment statistics (retention, equal opportunity reporting, etc.). The Personnel Assistant II may provide guidance to lower level Personnel Assistants. This level requires extensive knowledge of various office software packages. Guidance is provided as needed. Completed written work receives close technical review from higher-level personnel office employees. Work may be checked occasionally.

PERSONNEL ASSISTANT III

This position performs work in support of human resource professionals that requires a good working knowledge of personnel procedures, guides, and precedents. Job tasks may include interviewing applicants, obtaining references, and recommending placement in a well-defined occupation. At this level, assistants typically have a range of personal contacts within and outside the organization, in addition to handling employee-sensitive material. Therefore, the Assistant must be tactful, discrete, and articulate. This Assistant may be involved in identifying potential issues and grievance procedures, in addition to documenting necessary information to avoid company threat. The Personnel Assistant III may make recommendations to human resource professionals on job classification, wage rates, and employee salaries. The use of computers may be relied on heavily for organizational and reporting purposes. Advanced experience with office software packages may be needed. This Assistant may perform some clerical work in addition to the above duties. Supervisor will review completed work against stated objectives.

PRODUCTION CONTROL CLERK

This position compiles and records production data for industrial establishments to compare records and reports on volume of production, consumption of material, quality control, and other aspects of production. May perform any combination of the following duties: compile and record production data from customer orders, work tickets, product specifications, and individual worker production sheets following prescribed recording procedures and using different word processing techniques. This Clerk calculates such factors as types and quantities of items produced, materials used, amount of scrap, frequency of defects, and worker and department production rates, using a computer, calculator, and/or spreadsheets. Additional tasks include: writing production reports based on data compiled, tabulated and computed, following prescribed formats, maintaining files of documents used and prepared, compiling detailed production sheets or work tickets for use by production workers as guides in assembly or manufacture of products. This Clerk prepares written work schedules based on established guidelines and priorities, compiles material inventory records and prepares requisitions for procurement of materials and supplies charts production using chart, graph, or pegboard based on statistics compiled for reference by production and management personnel. This Clerk also sorts and distributes work tickets or material and may compute wages from employee time cards and post wage data on records used for preparation of payroll.

RECEPTIONIST

This position greets visitors, determining nature of visits and directing visitors to appropriate persons. The Receptionist may also have other duties such as recording and transmitting messages; keeping records of calls placed; providing information to callers and visitors; making appointments; keeping a log of visitors; and issuing visitor passes. In this position, one may also work on a computer and perform other routine clerical work that may occupy the major portion of the worker's time.

RENTAL CLERK

This position performs clerical duties concerned with rental and management of public housing projects answers telephone and responds to requests for maintenance, complaints, rental information or, as appropriate, forwards calls to senior officials. The Rental Clerk receives rental payments and other income, assesses late charges, applies cancellation stamp required by government housing agency, writes receipts, and prepares rental transmittal forms and collection logs for government accounting system. This Clerk receives security deposits and prepares tenant receipts, prepares bank deposits, maintains tenant files, and follows up on income re-certifications.

SCHEDULER, MAINTENANCE

This position schedules vehicle repairs and lubrication for vehicle-maintenance, schedules vehicles for lubrication or repairs based on date of last lubrication and mileage traveled or urgency of repairs. The Maintenance Scheduler contacts garage to verify availability of facilities, notifies parking garage workers to deliver specified vehicles, and maintains a file of requests for services.

SECRETARY I

Organizational structure is not complex and internal procedures and administrative controls are simple and informal; supervisor directs staff through face-to-face meetings.

Carries out recurring office procedures independently, and selects the guideline or reference that fits the specific case. The supervisor provides specific instructions on new assignments and checks completed work for accuracy. The Secretary I performs varied duties including or comparable to the following: Responds to routine telephone requests which have standard answers; refers calls and visitors to appropriate staff. Controls mail and assures timely staff response; may send form letters. As instructed, maintains supervisor's calendar, makes appointments, and

arranges for meeting rooms. Reviews materials prepared for supervisor's approval for typographical accuracy and proper format. Maintains recurring internal reports, such as: time and leave records, office equipment listings, correspondence controls, training plans, etc. Requisitions supplies, printing, maintenance, or other services. Types, takes and transcribes dictation, and establishes and maintains office files.

SECRETARY II

Organizational structure is complex and is divided into subordinate groups that usually differ from each other as to subject matter, function, etc.; supervisor usually directs staff through intermediate supervisors; and internal procedures and administrative controls are formal.

Handles differing situations, problems, and deviations in the work of the office according to the supervisor's general instructions, priorities, duties, policies, and program goals. Supervisor may assist secretary with special assignments. Screens telephone calls, visitors, and incoming correspondence; personally responds to requests for information concerning office procedures; determines which requests should be handled by the supervisor, appropriate staff member or other offices. May prepare and sign routine, nontechnical correspondence in own or supervisor's name. Schedules tentative appointments without prior clearance. Makes arrangements for conferences and meetings and assembles established background materials, as directed. May attend meetings and record and report on the proceedings. Reviews outgoing materials and correspondence for internal consistency and conformance with supervisor's procedures. Assures that proper clearances have been obtained, when needed. Collects information from the files or staff for routine inquiries on office program(s) or periodic reports. Refers non-routine requests to supervisor or staff. Explains to subordinate staff supervisor's requirements concerning office procedures. Coordinates personnel and administrative forms for the office and forwards for processing.

SECRETARY III

Organizational structure is divided into two or more subordinate supervisory levels (of which at least one is a managerial level) with several subdivisions at each level. Executive's program(s) are usually interlocked on a direct and continuing basis with other major organizational segments, requiring constant attention to extensive formal coordination, clearances, and procedural controls. Executive typically has: financial decision-making authority for assigned program(s); considerable impact on the entire organization's financial position or image; and responsibility for, or has staff specialists in such areas as, personnel and administration for assigned organization. Executive plays an important role in determining the policies and major programs of the entire organization and spends considerable time dealing with outside parties actively interested in assigned program(s) and current or controversial issues.

Secretary III uses greater judgment and initiative to determine the approach or action to take in non-routine situations, interprets and adapts guidelines, including unwritten policies, precedents, and practices, which are not always completely applicable to changing situations. Duties include or are comparable to the following: Based on knowledge of the supervisor's views, compose correspondence on own initiative about administrative matters and general office policies for supervisor's approval. Anticipate and prepare materials needed by the supervisor for conferences, correspondence, appointments, meetings, telephone calls, etc., and informs supervisor on matters to be considered. Read publications, regulations, and directives and take action or refer those that are important to the supervisor and staff. Prepare special or one-time reports, summaries, or replies to inquiries, selecting relevant information from a variety of sources such as reports, documents, correspondence, other offices, etc., under general directions. Advise secretaries in subordinate offices on new procedures; request information needed from the subordinate office(s) for periodic or special conferences, reports, inquiries, etc., and shifts clerical staff to accommodate workload needs.

The Secretary III advises individuals outside the organization on the executive's views on major policies or current issues facing the organization; contacts or responds to contact from high-ranking outside officials (e.g., city or state officials, members of congress, presidents of national unions or large national or international firms, etc.) in unique situations. These officials may be relatively inaccessible, and each contact typically must be handled differently, using judgment and discretion.

(Typically, secretaries performing at the higher levels of responsibility also perform duties described at the lower levels.)

SERVICE ORDER DISPATCHER

This position receives, records, and distributes work orders to service crews upon customers' requests for service on articles or utilities purchased from wholesale or retail establishment or utility company, records information, such as name, address, article to be repaired, or service to be rendered, prepares work order and distributes to service crew, schedules service calls and dispatches service crew. The Service Order Dispatcher calls or writes the customer to insure satisfactory performance of service, keeps record of service calls and work orders, may dispatch orders and

relay messages and special instructions to mobile crews and other departments using radio or cellular telephone equipment.

SUPPLY TECHNICIAN

This position performs limited aspects of technical supply management work (e.g., inventory management, storage management, cataloging, and property utilization) related to depot, local, or other supply activities. Work usually is segregated by commodity area or function, and controlled in terms of difficulty, complexity, or responsibility.

Assignments usually relate to stable or standardized segments of technical supply management operations; or to functions or subjects that are narrow in scope or limited in difficulty. The work generally involves individual case problems or supply actions. This work may require consideration of program requirements together with specific variations in or from standardized guidelines. Assignments require:

a good working knowledge of the governing supply systems, programs, policies, nomenclature, work methods, manuals, or other established guidelines; (b) an understanding of the needs of the organization serviced; and (c) analytical ability to define or recognize the dimension of the problems involved, to collect the necessary data to establish the facts, and take or recommend action based upon application or interpretation of established guidelines.

SURVEY WORKER

This position interviews people to obtain information on topics such as public issues or consumer buying habits, contacts people at home business or by telephone following specified sampling procedures, or approaches them at random on street. The Survey Worker asks questions relative to items on a form or questionnaire, records answers, assists persons in filling out forms, and may review, sort, classify and file forms according to specified procedures and criteria. This worker may participate in federal, state or local census surveys.

TRAVEL CLERK I

Under close supervision or following specific procedures and detailed instructions, The Travel Clerk I arranges travel on one or two modes of transportation. Travel is usually recurrent by the same modes, carriers, routes and same major points of origin and destination, seldom involving special transportation privileges or requiring special allowances or planning for supplemental transportation facilities. When such services are required, they do not occur in such variety or with such frequency as to create problems of timing or coordination.

TRAVEL CLERK II

Travel usually involves the use of two or more modes of transportation. Information on carriers, modes and facilities is readily available since most carriers servicing the area maintain local facilities or publish information regularly. Single carriers or connecting carriers have schedules that are easily coordinated using readily obtainable timetables or guides. Travel is frequently recurrent. A substantial number of problems arise because of rerouting, and there are often side trips requiring changes of transportation. Travel is usually to areas accessible by direct line, or established connecting points and normal modes of transportation. Travel is not always planned well in advance so there may be major problems of scheduling or accommodations.

Travel involves special transportation privileges or special allowances and requires authorization or planning for supplemental or special transportation facilities, and when such services are required, they usually do not occur in such variety or with such frequency as to create major problems of timing or coordination. Within general guidelines, employees select and apply appropriate travel guides, methods, techniques, and work sequences to effectively accomplish the work. The majority of assignments are performed without technical assistance, but unusually difficult travel situations or problem cases encountered during the course of the work are referred to the supervisor before decision or commitment. Review of work is for compliance with regulatory guides and program policies and for soundness of decisions and conclusions.

TRAVEL CLERK III

At this level, all major modes of transportation are used, as most individual trips involve combinations of more than one mode. Travel is varied, often not recurrent and periodically requires planning for relatively inaccessible intermediate or destination points. Routings are diverse and there is a necessity for frequent rerouting, re-planning, or rearranging, with many side trips requiring changes in modes of travel and creating substantial difficulty in routing and scheduling connections.

A substantial amount of travel involves special allowances or requires authorization and planning for supplementary or special transportation facilities. It is frequently difficult to obtain the required information. The incumbent is characterized by independence of action, with very little instruction, guidance, and review, except for review of accomplishments of broad objectives and conformance to policy. The incumbent is viewed as the authority on travel

matters, including the furnishing of advice and information to travelers, administrative officials and others; and has responsibility as the principal liaison with all elements, carriers, and facilities.

WORD PROCESSOR I

This position produces a variety of standard documents, such as correspondence, form letters, reports, tables and other printed materials. Work requires skill in typing; a knowledge of grammar, punctuation and spelling; and ability to use reference guides and equipment manuals. The Word Processor I performs familiar, routine assignments following standard procedures, seeks further instructions for assignments requiring deviations from established procedures.

WORD PROCESSOR II

This position uses knowledge of varied and advanced functions of one software type, knowledge of varied functions of different types of software, or knowledge of specialized or technical terminology to perform such typical duties as:

- a. Editing and reformatting written or electronic drafts. Examples include: correcting function codes; adjusting spacing formatting and standardizing headings, margins, and indentations.
- b. Transcribing scientific reports, lab analysis, legal proceedings, or similar material from voice tapes or handwritten drafts. Work requires knowledge of specialized, technical, or scientific terminology.

Work requires familiarity with office terminology and practices. Incumbent corrects copy, and questions originator of document concerning missing information, improper formatting, or discrepancies in instructions. Supervisor sets priorities and deadlines on continuing assignments, furnishes general instructions for recurring work and provides specific instructions for new or unique projects, may lead lower level word processors.

WORD PROCESSOR III

Requires both a comprehensive knowledge of word processing software applications and office practices and a high degree of skill in applying software functions to prepare complex and detailed documents. For example, processes complex and lengthy technical reports which include tables, graphs, charts, or multiple columns. Uses either different word processing packages or many different style macros or special command functions; independently completes assignments and resolves problems.

SIN 736-3 – GENERAL SERVICES AND SUPPORT OCCUPATIONS

MATERIALS HANDLING AND PACKING OCCUPATIONS

This category includes occupations concerned with preparing and arranging materials and products in bulk and non-bulk forms for distribution or storage; moving and loading or unloading equipment, materials, and products; operating or tending pipelines pumps and valves to transfer liquids; driving forklifts and related material-handling machinery and equipment; and using scoops, hand trucks, and wheelbarrows to load and move materials.

MATERIAL COORDINATOR

The Material Coordinator coordinates and expedites flow of material, parts, and assemblies within or between departments in accordance with production and shipping schedules or department supervisors' priorities. In this job, the Material Coordinator reviews production schedules and confers with department supervisors to determine material required or overdue and to locate material, requisitions material and establishes delivery sequences to departments according to job order priorities and anticipated availability of material; arranges for in-plant transfer of materials to meet production schedules, and with department supervisors for repair and assembly of material and its transportation to various departments, and examines material delivered to production departments to verify if type specified.

This Worker may monitor and control movement of material and parts along conveyor system, using remote-control panel board, compute amount of material needed for specific job orders, applying knowledge of product and manufacturing processes and using adding machine; compile report of quantity and type of material on hand, move or transport material from one department to another, using hand or industrial truck; may compile perpetual production records in order to locate material in process of production, using manual or computerized system, and maintain employee records.

MATERIAL EXPEDITER

The Material Expediter executes the following: locates and moves materials and parts between work areas of plant to expedite processing of goods, according to pre-determined schedules and priorities, and keeps related record, reviews production schedules inventory reports, and work orders to determine types, quantities, and availability of required material and priorities of customer orders, confers with department supervisors to determine materials overdue and to inform them of location, availability, and condition of materials, locates and moves materials to specified production areas, using cart or hand truck, and records quantity and type of materials distributed and on hand. Work may include the following tasks: directing Power-Truck Operator or Material Handling Laborer to expedite movement of materials between storage and production areas, compare work ticket specifications with material at work

stations to verify appropriateness of material in use, prepare worker production records and timecards, and may update and maintain inventory records, using computer terminal.

MATERIAL HANDLING LABORER

This person will perform physical tasks to transport or store materials or merchandise. Duties involve one or more of the following: manually loading or unloading freight cars, trucks, or other transporting devices; unpacking, shelving, or placing items in proper storage locations; or transporting goods by hand truck, cart, or wheelbarrow.

Excluded from this definition are workers whose primary function involves (example):

- a. Participating directly in the production of goods (e.g., moving items from one production station to another or placing them on or removing them from the production process);
- b. Stocking merchandise
- c. Counting or routing merchandise
- d. Operating a crane or heavy-duty motorized vehicle
- e. Loading and unloading ships (alongshore workers)
- f. Traveling on trucks beyond the establishment's physical location to load or unload merchandise.

ORDER FILLER

The Order Filler fills shipping or transfer orders for finished goods from stored merchandise in accordance with specifications on sales slips, customers' orders, or other instructions. This worker may, in addition to filling orders and indicating items filled or omitted, keep records of outgoing orders, requisition additional stock or report short supplies to supervisor, and perform other related duties.

SHIPPING PACKER

Someone in this position prepares finished products for shipment or storage by placing them in shipping containers, the specific operations performed being dependent upon the type, size, and number of units to be packed, the type of container employed, and method of shipment. Work requires the placing of items in shipping containers, and may involve one or more of the following: knowledge of various items of stock in order to verify content, selection of appropriate type and size of container, inserting enclosures in container; using excelsior or other material to prevent breakage or damage, closing and sealing container, and applying labels or entering identifying data on container. Exclude packers who also make wooden boxes or crates.

SHIPPING/RECEIVING CLERK

The Shipping/Receiving Clerk performs clerical and physical tasks in connection with shipping goods of the establishment in which employed and receiving incoming shipments. In performing day-to-day, routine tasks, this worker follows established guidelines. In handling unusual non-routine problems, this worker receives specific guidance from supervisor or other officials. This incumbent may direct and coordinate the activities of other workers engaged in handling goods to be shipped or being received. Shipping duties typically involve the following: verifying that orders are accurately filled by comparing items and quantities of goods gathered for shipment against documents; insuring that shipments are properly packaged, identified with shipping information, and loaded into transporting vehicles, and preparing and keeping records of goods shipped, e.g., manifests, bills of lading. Receiving duties typically involve the following: verifying the correctness of incoming shipments by comparing items and quantities unloaded against bills of lading, invoices, manifests, storage receipts, or other records, checking for damaged goods, insuring that goods are appropriately identified for routing to departments within the establishment, and preparing and keeping records of goods received.

STOCK CLERK

The Stock Clerk receives, stores, and issues equipment, materials, supplies, merchandise, foodstuffs, or tools, and compiles stock records of items in stockroom, warehouse or storage yard. This worker sorts, or weighs incoming articles to verify receipt of items on requisition or invoice, examines stock to verify conformance to specifications, stores articles in bins, on floor or on shelves, according to identifying information, such as style, size or type of material, fills orders or issues supplies from stock, prepares periodic, special or perpetual inventory of stock, and requisitions articles to fill incoming orders. This worker also compiles reports on use of stock handling equipment, adjustments of inventory counts and stock records, spoilage of or damage to stock, location changes, and refusal of shipments, may mark identifying codes, figures, or letters on articles, may distribute stock among production workers, keeping records of material issued, may make adjustments or repairs to articles carried in stock, and may cut stock to site to fill order.

WAREHOUSE SPECIALIST (Worker)

As directed, the Warehouse Specialist performs a variety of warehousing duties that require an understanding of the establishment's storage plan. Work involves most of the following: verifying materials (or merchandise) against receiving documents, noting and reporting discrepancies and obvious damages, routing materials to prescribed storage locations; storing, stacking, or palletizing materials in accordance with prescribed storage methods, rearranging and taking inventory of stored materials, examining stored materials and reporting deterioration and damage, removing material from storage and preparing it for shipment. This worker may operate hand or power trucks in performing warehousing duties.

Note: Exclude workers whose primary duties involve shipping and receiving work (see Shipping/Receiving Clerk), order filling (see Order Filler), or operating forklifts (see Forklift Operator).

21020 FORKLIFT OPERATOR

Operates a manually controlled gasoline, electric or liquid propane gas powered forklift to transport goods and materials of all kinds about a warehouse, manufacturing plant, or other establishment.

21080 PRODUCTION LINE WORKER (FOOD PROCESSING)

This position refers to an employee employed in a food processing plant whose duties involve several of the following: loading and unloading commodities from rail cars, trucks, or other conveyances, placing merchandise in proper storage location and transporting the merchandise by hand truck, push-pull, or forklift; blends merchandise ingredients into pre-determined quality by heating, mixing, re-heating, etc. The Production Line Worker monitors blending operation to ensure that finished products meets customer's requirements, monitors flow of product into appropriate container; labels container with identifying information supplied by customer, and places containers into appropriate shipping container. Must have knowledge of various types and sizes of shipping containers and special requirements of customers.

21140 STORE WORKER I

The Store Worker I will perform the following tasks at an establishment whose primary function is that of the resale of merchandise in a retail environment, move merchandise by use of non-motorized equipment that is intended for display and resale purposes, include the cleaning of merchandise on or in display fixtures utilizing various merchandise techniques common to retail trade. Merchandise may be displayed by a predetermined placement system using labels or other identifying marks. This worker will maintain the display sales area by straightening merchandise to give a neat, full, and salable appearance, removing damaged or outdated merchandise, and displaying merchandise in such a manner to maintain freshness and sale dates, may determine display or sale requirements from existing inventory, may be required to keep inventory forms of merchandise stocked and merchandise returned to storage, may be required to affix labels to merchandise indicating sale price, item description, or other information, and may be required to offer customer or patron assistance with the location or selection of merchandise.

Note: this class excludes any work performed in a warehouse, see warehousing classifications.

21210 TOOLS AND PARTS ATTENDANT (Tool Crib Attendant)

This incumbent receives, stores, and issues hand tools, machine tools, dies, replacement parts, shop supplies and equipment, such as measuring devices, in an industrial establishment. The Tools and Parts Attendant does the following keeps records of tools issued to and returned by workers, searches for lost or misplaced tools, prepares periodic inventory or keeps perpetual inventory and requisitions stock as needed, unpacks and stores new

equipment; visually inspects tools or measures with micrometer for wear or defects and reports damaged or worn-out equipment to superiors; may coat tools with grease or other preservative, using a brush or spray gun, and may attach identification tags or engrave identifying information on tools and equipment using electric marking tool.

ELECTRONICS TECHNICIAN MAINTENANCE I

The Electronics Technician Maintenance I applies basic technical knowledge to perform simple or routine tasks following detailed instructions, performs such tasks as replacing components, wiring circuits, repairing simple electronic equipment; and taking test readings using common instruments such as digital multi-meters, signal generators, semiconductor testers, curve tracers, and oscilloscopes. This person works under close supervision receiving technical guidance from supervisor or higher-level technician. Work is checked frequently for accuracy.

ELECTRONICS TECHNICIAN MAINTENANCE II

The Electronics Technician Maintenance II applies basic and some advanced technical knowledge to solve routine problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence, in selecting tools, testing instruments, and is reviewed for compliance with accepted practices. This technician works under immediate supervision and achieves technical guidance, as required, from supervisor or higher-level technician.

ELECTRONICS TECHNICIAN MAINTENANCE III

The Electronics Technician Maintenance III applies advanced technical knowledge to solve complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Examples of such problems include determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering changes. Work typically requires an understanding of the interrelationships of circuits, exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow, using complex test instruments such as high frequency pulse generators, frequency synthesizers, distortion analyzers, and complex computer control equipment. Work may be reviewed by supervisor for general compliance with accepted practices. This position may provide technical guidance to lower level technicians.

FOOD PREPARATION AND SERVICE OCCUPATIONS

07041 COOK I

The Cook I independently perform moderately difficult tasks in preparing small quantities of quickly prepared food such as steaks, chops, cutlets, hamburgers, eggs, salads and other similar items. Excludes workers who exercise general supervision over kitchen activities.

07042 COOK II

The Cook II prepares in large quantities, by various methods of cooking, meat, poultry, fish, vegetables, seasons and cooks all cuts of various meats, fish and poultry, boils, steams or fries vegetables, makes gravies, soups, sauces, roasts, meat pies, fricassees, casseroles, and stews. Excludes food service supervisors and head cooks who exercise general supervision over kitchen activities.

07070 DISHWASHER

The Dishwasher manually or mechanically washes and rinses dishes, glasses and silverware; maintains proper temperature for sterilization and adds soap as needed, and performs other duties as assigned.

07130 FOOD SERVICE WORKER (CAFETERIA WORKER) (NON-PROFESSIONAL)

Food Service Worker serves as a cafeteria and/or delicatessen/bakery worker helping in the preparation, presentation and serving of meals. Food Service Worker assists in weighing, pricing and wrapping selected foods on plates, trays and in bags, prepares food displays in counter cases and other display units, greets customers as they arrive at service counter, takes special orders, and answers basic customer questions about specialty foods. Routinely a food service worker will make sandwiches, fruit and vegetable trays, assist in preparing, cooking, and decorating select foods. This worker cleans as needed, washes dishes,

GENERAL SERVICES AND SUPPORT OCCUPATIONS

11030 CLEANER, VEHICLES

The Cleaner, Vehicles cleans interiors and exteriors of transportation vehicles, such as automobiles, buses, railroad cars, and streetcars, cleans interior of vehicle, using broom, cloth, mop, vacuum cleaner, and whiskbroom, cleans windows with water, cleansing compounds, and cloth or chamois, replenishes sanitary supplies in vehicle compartments, removes dust, grease, and oil from exterior surfaces of vehicles, using steam-cleaning equipment or by spraying or washing vehicles, using spraying equipment, brush or sponge. The Cleaner may polish exterior of vehicle, and may fumigate interior of vehicle, using fumigating gases or sprays.

11060 ELEVATOR OPERATOR

The Elevator Operator operates elevator to transport passengers or freight between floors of a building such as a department store, hotel, office building, apartment house, or manufacturing plant, pushes buttons or moves levers on signal or instructions from passengers or others to control movement of elevator, opens and closes safety gate and elevator door at each floor where stop is made, may supply information to passengers concerning location of offices, merchandise, and individuals, distribute mail to various floors, answer telephone, and prevent unauthorized persons from entering building; may load or unload freight or assist other employees to do so, transport freight from elevator to designated area, using hand truck, and may sweep or vacuum elevator.

11090 GARDENER

Plans and executes small scale landscaping operations and maintains grounds and landscape of household, business and other properties. Works with assistant in preparing and grading terrain, applying fertilizers, seeding and sodding lawns, and transplanting shrubs and plants, and cultivates them, using gardening implements and power-operated equipment. Plants new and repairs established lawns, using seed mixtures and fertilizers recommended for particular soil type and lawn location. Locates and plants shrubs, trees, and flowers recommended for particular landscape effect or those selected by property owner. Mows and trims lawns, using hand or power mower. Trims shrubs and cultivates gardens. Sprays trees and shrubs and applies supplemental liquid and dry nutrients to lawn, trees and shrubs. Cleans ground, using rakes, brooms, and hose. May dig trenches and install drain tiles. May repair concrete and asphalt walks and driveways.

11122 HOUSEKEEPING AIDE

The Housekeeping Aide performs special cleaning projects as well as daily cleaning duties in accordance with standard procedures of the housekeeping department and with hospital objectives. An employee uses cleaning equipment, including automatic floor machines, commercial vacuums, wet mops, large wringers and other necessary equipment, tools, chemicals and supplies. The Housekeeping Aide will dry and wet mop floors, scrub and buff floors with rotor and other machines, vacuum carpets to clean and control bacteria, transport trash from utility rooms and other collection points to incinerator, compactor, or pick-up area, perform special cleaning of induction units, walls, lighting fixtures, and windows, both inside and outside, move furniture and set up meeting rooms. This Aide collects soiled linen, assists in cleaning emergency spills that are observed or as requested, maintains assigned equipment for cleanliness and requests repairs when needed, reports need for repairs to hospital equipment, furniture, building and fixtures, assists in moving patients in case of fire, disaster or emergency evacuation, and assists security personnel in restraining disturbed patients in psychiatric wards.

11150 JANITOR

Cleans and keeps in an orderly condition factory working areas and washrooms, or premises of an office, apartment house, or commercial or other establishment. Duties involve a combination of the following: Sweeping, mopping or scrubbing, and polishing floors; removing chips, trash, and other refuse; dusting equipment, furniture, or fixtures; polishing metal fixtures or trimmings; providing supplies and minor maintenance services; and cleaning lavatories, showers, and restrooms. Excluded are: Workers who specialize in window washing. Housekeeping staff that make beds and change linens as a primary responsibility. Workers required disassembling and assembling equipment in order to clean machinery. Workers who receive additional compensation to maintain sterile facilities or equipment

11210 LABORER, GROUNDS MAINTENANCE

Maintains grounds of industrial, commercial or public property such as buildings, camp and picnic grounds, parks, playgrounds, greenhouses, and athletic fields, and repairs structures and equipment, performing one or more of the following tasks: Cuts grass, using walking-type or riding mowers (less than 2000 lbs.). Trims hedges and edges around walks, flower beds, and wells, using hedge trimmers, clippers and edging tools. Prunes shrubs and trees to shape and improve growth, using shears and other hand tools. Sprays lawn,

shrubs, and trees with fertilizer or insecticide. Plants grass, flowers, trees, and shrubs. Waters lawn and shrubs during dry periods, using hose or activating sprinkler system. Picks up and burns or carts away leaves, paper or other litter. Removes snow from walks, driveways, roads, or parking lots, using shovel and snow blower. Spreads salt on walkways and other areas.

11240 MAID

Cleans rooms and other premises of hotel, motel, tourist home, or other lodging facility, performing any combination of the following tasks. Dusts and cleans Venetian blinds, furniture, and other surfaces. Dusts and counts, folds, mark, or carry linens. Turns mattresses and makes beds. Moves and arranges furniture and hangs drapes. Cleans and polishes metalwork and porcelain bathroom fixtures. Spot-cleans walls and windows. Empties wastebaskets and removes trash. Removes soiled linens for laundering. Replenishes room supplies. Reports need for repairs to equipment, furniture, building and fixtures.

11270 TRACTOR OPERATOR

Drives gasoline or diesel powered tractor to move materials, draw implements, tow trailers, pull out objects embedded in ground, or pull cable of winch to raise, lower, or load heavy material or equipment. Fastens attachments such as graders, plows, rollers, mowers (over 2000 lbs.), backhoes, seeders, and disc harrows to tractor. Adjusts equipment for proper operation. Lubricates and makes minor repairs to tractor and attachments such as tightening bolts, and replacing washers, cotter pins, and screws.

11330 TRAIL MAINTENANCE WORKER

The Trail Maintenance Worker removes fallen and leaning dead trees, encroaching limbs and brush, minor repair of tread, tread drainage and tread drainage structures and trail location marking. The Trail Maintenance Worker removes downed limbs, loose rock and debris from trail ways.

11360 WINDOW CLEANER

The Window Cleaner cleans windows, glass partitions, mirrors, and other glass surfaces of building interior or exterior, using pail of soapy water or other cleaner, sponge, and squeegee, crawls through windows from inside and hooks safety belt to brackets for support; sets and climbs ladder to reach second or third story; uses basin chair, swings stage or other scaffolding lowered from roof to reach outside windows; or stands to reach first floor or inside windows.

LAUNDRY, DRY-CLEANING, PRESSING AND RELATED OCCUPATIONS

16250 WASHER, MACHINE

A person in this position operates one or more washing machines to wash linens, garments, curtains, drapes, and other articles. Work involves the following: manipulating valves, switches, and levers to start and stop the machine, control the amount and temperature of water for the lathering and rinsing of each batch; mixing and adding soap, bluing and bleaching solutions, loading and unloading the washing machine, if not done by loaders or un-loaders (pullers), and may make minor repairs to washing machine.

MACHINE TOOL OPERATION AND REPAIR OCCUPATIONS

This category includes occupations concerned with setting up and operating machine tools, and using hand tools to make or repair (shape, fit, finish, assemble) metal parts, tool, gauges, models, patterns, mechanism, and machines.

19010 MACHINE-TOOL OPERATOR (TOOLROOM)

Someone in this position specializes in operating one or more than one type of machine tool (e.g., jig borer, grinding machine, engine lathe, milling machine) to machine metal for use in making or maintaining jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: planning and performing difficult machining operations which require complicated setups or a high degree of accuracy, setting up machine tool or tools (e.g., installing cutting tools and adjusting guides, stops, working tables, and other controls to handle the size of stock to be machined. The Machine Tool Operator determines proper feeds, speeds, tooling, and operation sequence or selects those prescribed in drawings, blueprints, or layouts). Work also involves using a variety of precision measuring instruments, making necessary adjustments during machining operation to achieve requisite dimensions to very close tolerances. This worker may be required to select proper coolants and cutting and lubricating oils to recognize when tools need

dressing, and to dress tools. In general, the work of a Machine-Tool Operator (Tool room) at the skill level called for in this classification, requires extensive knowledge of machine shop and tool room practice usually acquired through considerable on-the-job training and experience.

19040 TOOL AND DIE MAKER

The Tool and Die Maker constructs and repairs jigs, fixtures, cutting tools, gauges, or metal dies or molds used in shaping or forming metal or nonmetallic material (e.g., plastic, plaster, rubber, glass). Work typically involves: planning and laying out work according to models, blueprints, drawings, or other written or oral specifications, understanding the working properties of common metals and alloys, selecting appropriate materials, tools, and processes required to complete task, making necessary shop computations, and setting up and operating various machine tools and related equipment. Work for someone in this position also involves using various Tool and Die Maker's hand tools and precision measuring instrument, working to very close tolerances, heat-treating metal parts and finished tools and dies to achieve required qualities, and fitting and assembling parts to prescribed tolerances and allowances. In general, the Tool and Die Maker's work requires rounded training in machine shop and tool room practice usually acquired through formal apprenticeship or equivalent training and experience.

MECHANICS AND MAINTENANCE AND REPAIR OCCUPATIONS

This category includes occupations concerned with maintaining and repairing buildings, grounds, and related facilities; installing, repairing, rebuilding, and maintaining in efficient operating condition a wide variety of engines and mechanical equipment designed for use in domestics, commercial, industrial, and agricultural activities.

23021 AIRCRAFT MECHANIC I

The Aircraft Mechanic I troubleshoots malfunctions in aircraft structure, landing gear, flight surfaces and controls, anti-icing, pneudraulic, engines, auxiliary power unit, and ventilation and heating systems. This mechanic repairs, replaces, and rebuilds aircraft structures, such as wings and fuselage, and functional components including rigging, surface controls, and plumbing and hydraulic units, using hand tools, power tools, machines, and equipment such as shears, sheet metal brake, welding equipment, rivet gun, and drills. This worker reads and interprets manufacturers' and airline's maintenance manuals, service bulletins, technical data, engineering data, and other specifications to determine feasibility and method of repairing or replacing malfunctioning or damaged components.

This mechanic performs 100-hour, progressive, isochronal, phase, periodic, and other hourly or calendar inspections, examines reciprocating engines for cracked cylinders and oil leaks, and listens to operating engine to detect and diagnose malfunctions, such as sticking or burnt valves, inspects jet engines and components for cracks, corrosion, foreign object damage, burned areas, distortions, security, warping, wear, and missing segments. Inspects jet engine turbine blades to detect cracks, distortion, corrosion, burn-out, security, or breaks, tests engine operation, using testing equipment, such as ignition analyzer, compression checker, distributor timer, ammeter, and jet calibration (Jetcal) tester, to locate source of malfunction.

Work involves: replacing or repairing worn or damaged components, such as carburetors, alternators, magnetos, fuel controls, fuel pumps, oil pumps, and engine mounted gearboxes, and compressor bleed valves using hand tools, gauges, and testing equipment; removing engine from aircraft, using hoist or forklift truck, disassembling and inspecting parts for wear, cracks, security, or other defects, and repairing or replacing defective engine parts and reassembles and installs engine in aircraft.

Job duties require that this mechanic: adjusts, repairs, or replaces electrical wiring system and aircraft accessories, performs preflight, thru-flight, and post-flight maintenance inspections, performs miscellaneous duties to service aircraft, including flushing crankcase, cleaning screens and filters, greasing moving parts, and checking brakes. This incumbent supervises the jacking and towing of aircraft, enters in the maintenance records description of the work performed and verifies the work was performed satisfactorily, may service engines and airframe components at line station making repairs, short of overhaul, required to keep aircraft in safe operating condition, may specialize in work, repair and modification of structural, precision, and functional spare parts and assemblies, and may specialize in engine repair. This worker may be required to be licensed by Federal Aviation Administration.

23022 AIRCRAFT MECHANIC II

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GS-07F-0110X

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This mechanic maintains repairs and modifies aircraft structures and structural components of moderate difficulty, maintains and repairs aircraft components including but not limited to flight controls, engines, hydraulics, pneumatics, fuel systems, and mechanical components, applies technical knowledge of airframe and power plant systems in determining equipment malfunctions and applies required expertise in restoring equipment condition and or operation, and applies comprehensive technical expertise to solve moderate to complex problems by interpreting technical documentation such as; blueprints or manufactures' manuals.

Job requirements: must have a thorough knowledge of aircraft mechanical component troubleshooting, repair procedures and replacement of parts, requires broad knowledge of aircraft sheet metal/structural modifications and repair, must have basic knowledge of electrical theory, must have thorough knowledge of aircraft unique tools such as test equipment, torque wrenches, dial indicators, micrometers, sheet metal brakes and sheers. This job requires working knowledge of technical publications. The incumbent receives technical guidance, as required, from supervisor or higher-level technician, and may be required to make entries in aircraft logs and records. Must be able to prioritize workload to maintain schedules on assigned projects.

23023 AIRCRAFT MECHANIC III

A person in this position does the following; maintains repairs and modifies aircraft structures, structural components and engines of complex to extreme difficulty, maintains and repairs aircraft components including but not limited to flight controls, engines, hydraulics, pneumatics, fuel systems and mechanical components, and applies technical knowledge of airframe and power plant systems in determining equipment malfunctions and applies technical expertise in restoring equipment condition and operation.

This worker also applies professional technical expertise and guidance to solve complex problems by interpreting technical data such as blueprints or manufactures' manuals. Work typically requires a thoroughly comprehensive knowledge of aircraft mechanical component troubleshooting/repair procedures and replacement of components, a thorough knowledge of aircraft sheet metal/structural modification and repair and the ability to determine functionality of non-complex electrical systems. A detailed knowledge of aircraft unique tools such as test equipment, torque wrenches, dial indicators, micrometers, cable tensiometers, sheet metal brakes and sheers, etc. is required.

The incumbent must possess the experience and ability to provide technical support to structural/mechanical engineers and customers alike, must possess excellent organizational skills in prioritizing workload to meet aircraft delivery schedule. This worker will be required to make entries in aircraft logs and records, and is responsible for providing guidance and technical expertise to lower level technicians throughout all aircraft modifications and/or maintenance efforts.

23040 AIRCRAFT MECHANIC HELPER (Airframe and Power plant Mechanic Helper)

The person assists Aircraft Mechanic in servicing, repairing and overhauling aircraft and aircraft engines, performing any combination of the following duties: adjusts and replaces parts such as control cables, fuel tanks, spark plugs, tires, batteries and filters, using mechanic's tools, removes inspection plates, cowling, engine covers, floor boards and related items to provide access for inspection and repair, and replaces items when work is completed, assists in towing and jacking aircraft, and disconnects instruments, ignition systems, and fuel and oil lines. This mechanic assists in dismantling, repairing, overhauling or replacing parts and assemblies such as engines, plumbing and hydraulic systems, and aircraft structural sections, performs routine duties such as furnishing materials, tools and supplies to mechanic; lifting and holding materials in place during operation; cleaning work areas and machines, tools and equipment, cleans aircraft, interior and exterior parts and assemblies with solvents or other cleaning solutions, assists in jacking and towing aircraft; Inflates tires, fills gasoline tanks and oil reservoirs, and greases aircraft, using grease gun, and may assist flight line mechanic, worker, or servicer in servicing and repairing aircraft prior to flight.

23060 AIRCRAFT SERVICER (Airport Utility Worker)

The Aircraft Servicer (Airport Utility Worker) services aircraft, performing any combination of the following tasks, directs incoming and outgoing aircraft near terminal or flight line parking area to assist pilot's maneuvering of the aircraft on ground, using hand or light signals or drives light truck with guiding sign, and secures aircraft in parking position with blocks, stakes, and tie downs.

The Aircraft Servicer (Airport Utility Worker) does the following tasks: operates service vehicles to replenish fuel, oil, water, waste system chemicals, oxygen, hydraulic fluid, and to remove waste, enters in the maintenance records description of the servicing performed, checks for fuel contamination by draining sumps and fuel drains; operates ground support equipment such as electrical power supply and engine starting units, examines tires for specified air pressure and condition, assists in jacking and towing aircraft, removes and replaces defective tires, positions and removes boarding platforms to unload or load aircraft passengers, unloads and loads luggage and cargo, using tow truck with luggage carts, and cleans exterior or interior of aircraft, using portable platform ladders, brushes, rags, water hose, and vacuum. The Aircraft Servicer may de-ice aircraft wings and assemblies, load and unload containers of food, beverages, and dishes for in-flight meal services, trace lost luggage for customers and prepare lost baggage claims, and install drag chutes or retrieve them and send them to parachute shop for repacking.

23080 AIRCRAFT WORKER

The Aircraft Worker makes repairs to aircraft following orders of higher grade worker, assists in troubleshooting malfunctions in aircraft structure, landing gear, flight surfaces and controls, anti-icing, pneudraulic, engines, auxiliary power unit, and ventilation and heating systems, removes, cleans, reinstalls, or replaces defective parts, accessories, and components such as worn gaskets, couplings, and fittings, bad actuators, accumulators, gauges, sections of corroded fuel and oil lines, This worker may supervise the jacking and towing of aircraft, makes adjustments and settings such as cable tension and seat movement settings and adjustments; obtains standard parts such as fuel and oil line connections and fittings, cable linkage, and spark plug cables and harnesses by referring to parts manuals and by making comparisons with samples, may perform pre-flight, thru-flight, and post-flight maintenance inspections, enter in the maintenance records description of the work performed, and services engines and aircraft components at line station making repairs, short of overhaul required to keep aircraft in safe operating condition.

23100 APPLIANCE MECHANIC

Installs, services and repairs stoves, refrigerators, dishwashing machines, and other electrical household or commercial appliances, using hand tools, test equipment and following wiring diagrams and manufacturer's specifications. Connects appliance to power source and test meters, such as wattmeter, ammeter, or voltmeter. Observes readings on meters and graphic recorders. Examines appliance during operating cycle to detect excess vibration, overheating, fluid leaks and loose parts. Disassembles appliances and examines mechanical and electrical parts. Traces electrical circuits, following diagram and locates shorts and grounds, using ohmmeter. Calibrates timers, thermostats and adjusts contact points. Cleans and washes parts, using wire brush, buffer, and solvent to remove carbon, grease and dust. Replaces worn or defective parts, such as switches, pumps, bearings, transmissions, belts, gears, blowers and defective wiring. Repairs and adjusts appliance motors. Reassembles appliance, adjusts pulleys and lubricates moving parts, using hand tools and lubricating equipment.

23120 BICYCLE REPAIRER

Repairs and services bicycles, using power tools and hand tools. Tightens and loosens spokes to align wheels. Disassembles axle to repair coaster brakes and to adjust and replace defective parts, using hand tools. Adjusts cables or replaces worn or damaged parts to repair hand brakes. Installs and adjusts speed and gear mechanisms. Shapes replacement parts, using bench grinder. Installs, repairs, and replaces equipment or accessories, such as handlebars, stands, lights, and seats. Rubs tubes with scraper and places patch over hole to repair tube. May paint bicycle frame, using spray gun or brush. May weld broken or cracked frame together, using oxyacetylene torch and welding rods. May assemble new bicycles and accessories.

23125 CABLE SPLICER

Installs, maintains, repairs, and modifies cable systems. Uses engineered drawings, statements of work, and technical manuals to determine requirements for underground, buried, and aerial cable systems. Prepares and installs distribution equipment. Terminates tip cables on main distribution frames. Installs, maintains, and repairs dry air compressors and continuous flow and static pressurization systems. Ensures techniques, materials, and accomplishments are according to technical standards, and specifications and engineered directives. Locates, repairs, and/or replaces splice cases. Performs pneumatic troubleshooting to locate faulty splice cases and pressure component assemblies, using resistance measurements and pressure gradients. Repairs pressure component assemblies and adjusts pressure contractors. Determines course of signal deterioration in voice and data circuits over cable by using test equipment. Interprets compressor meter readings and adjusts controls. Troubleshoots pneumatic and electrical malfunctions in cable air-dryer compressors.

23130 CARPENTER, MAINTENANCE

The Carpenter, Maintenance performs the carpentry duties necessary to maintain in good repair building woodwork and equipment such as bins, cribs, counters, benches, partitions, doors. Work involves most of the following: planning and laying out of work from blueprints, drawings, models, or verbal instructions, using a variety of carpenter's hand tools, portable power tools and standard measuring instruments, and making standard shop computations relating to dimensions of work; and selecting materials necessary for the work. In general, the work of the maintenance carpenter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

23140 CARPET LAYER

Prepares floor by removing old carpet or other covering, stripping, patching, or cleaning floor. Measures and cuts carpeting to size, using carpet knife. Lays padding and places carpeting on top of padding. Cuts, trims, and stretches carpeting to fit along wall edges, openings, and projections. Installs metal edging and metal door strips. May lay carpet tiles, applying adhesive to floor. May transport carpeting to installation site.

23160 ELECTRICIAN, MAINTENANCE

An Electrician performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generation, distribution, or utilization of electric energy. Work involves most of the following: installing or repairing any of a variety of electrical equipment such as generators, transformers, switchboards, controllers, circuit breakers, motors, heating units, conduit systems, or other transmission equipment; working from blueprints, drawings, layouts, or other specifications, locating and diagnosing trouble in the electrical system or equipment, working standard computations relating to load requirements of wiring or electrical equipment, and using a variety of electrician's hand tools and measuring and testing instruments. In general, the work of the maintenance electrician requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

23260 FABRIC WORKER

Makes, alters, and repairs a variety of fabric articles such as clothing, awnings, tents, gun covers, sleeping bags, parachutes, inflatable shelters, flags, bed linens, and belts. Fabrics include wool, cotton, canvas, nylon, polyester, olefin, metallic fabrics, leatherette, velour, burlap, felt, vinyl, and fabrics made of rubber yarns or plastic filaments. Takes measurements and makes patterns and layouts. Marks, cuts, fits, and sews or cements parts together, using hand- or power tools and equipment and a knowledge of fabrics and construction methods. May do upholstery work on such items as cushions and vehicle seats.

23290 FIRE ALARM SYSTEM MECHANIC

Inspects, tests, maintains, and repairs installed fire alarm detection and suppression systems in accordance with manufacturer's specifications and National Fire Protection Association standards. Inspects fire alarm equipment visually and replaces defective components. Tests initiating and signal circuits, detectors, and system transmitter and makes needed repairs. Checks pressure gauges on suppression system storage containers and recharges or replaces containers.

23310 FIRE EXTINGUISHER REPAIRER

Repairs and tests fire extinguishers in repair shops and in establishments, such as factories, homes, garages, and office buildings, using hand tools and hydrostatic test equipment. Dismantles extinguisher and examines tubings, horns, head gaskets, cutter disks, and other parts for defects. Replaces worn or damaged parts, using hand tools. Cleans extinguishers and recharges them with materials, such as soda water and sulfuric acid, carbon tetrachloride, nitrogen or patented solutions. Tests extinguishers for conformity with legal specifications, using hydrostatic test equipment. May install cabinets and brackets to hold extinguishers.

23312 FUEL DISTRIBUTION SYSTEM OPERATOR

Receives, stores, transfers, and issues fuel through pipelines at main-line or terminal stations. Receives fuel by tanker. Ships fuel by pipeline, tank car, tank truck, and barge. Prepares and checks receiving or ship's documents. Connects lines, grounding wires, and loading and off loading arms or hoses to pipelines. Visually inspects samples of fuel, and checks gravity and flashpoint. Gauges tanks for water, temperature, and fuel levels. Checks pumping systems for correct operating pressure or unusual noises. Performs preventive maintenance and repairs on terminal

systems. Assists in maintenance of government-owned railroad loading and switch area. Performs general housekeeping and grounds maintenance for terminal, pipeline and dock areas.

23370 GENERAL MAINTENANCE WORKER

The General Maintenance Worker performs general maintenance and repair of equipment and buildings requiring practical skill and knowledge (but not proficiency) in such trades as painting, carpentry, plumbing, masonry, and electrical work. Work involves a variety of the following duties: replacing electrical receptacles, wires, switches, fixtures, and motors, using plaster or compound to patch minor holes and cracks in walls and ceilings, repairing or replacing sinks, water coolers, and toilets painting structures and equipment; repairing or replacing concrete floors, steps, and sidewalks, replacing damaged paneling and floor tiles, hanging doors and installing door locks, replacing broken window panes, and performing general maintenance on equipment and machinery.

Excluded are:

- a. Craft workers included in a formal apprenticeship or progression program based on training and experience;
- b. Skilled craft workers required to demonstrate proficiency in one or more trades;
- c. Workers performing simple maintenance duties not requiring practical skill and knowledge of a trade (e.g., changing light bulbs and replacing faucet washers).

23410 HEATING, VENTILATION, AND AIR-CONDITIONING MECHANIC

The Heating, Ventilation, and Air-Conditioning Mechanic installs, services and repairs environmental-control systems in residences, department stores, office buildings, and other commercial establishments, utilizing knowledge of refrigeration theory, pipefitting and structural layout, mounts compressor and condenser units on platform or floor, using hand tools, following blueprints or engineering specifications, fabricates, assembles and installs ductwork and chassis parts, using portable metalworking tools and welding equipment, and installs evaporator unit in chassis or in air-duct system, using hand tools. This mechanic also cuts and bends tubing to correct length and shape, using cutting and bending equipment and tools, cuts and threads pipe, using machine-threading or hand-threading equipment, joins tubing or pipes to various refrigerating units by means of sleeves, couplings or unions, and solders joints, using torch, forming complete circuit for refrigerant, installs expansion and discharge valves in circuit. This worker connects motors, compressors, temperature controls, humidity controls, and circulating ventilation fans to control panels and connects control panels to power source; installs air and water filters in completed installation, injects small amount of refrigerant into compressor to test systems and adds Freon gas to build up prescribed operating pressure. This mechanic observes pressure and vacuum gauges and adjusts controls to insure proper operation, tests joints and connections for gas leaks, using gauges or soap-and-water solution, wraps pipes in insulation batting and secures them in place with cement or wire bands, replaces defective breaker controls, thermostats, switches, fuses and electrical wiring to repair installed units, may install, repair and service air conditioners, ranging from fifteen to twenty tons cooling capacity in warehouses and small factory buildings.

23411 HEATING, VENTILATION, AND AIR CONDITIONING MECHANIC

(Research Facility)

The Heating, Ventilation, and Air Conditioning Mechanic (Research Facility) installs, modifies and repairs refrigeration – hermetic, semi-hermetic, mechanical, screw, scroll and centrifugal units to 1100 tons; air conditioning, ventilation; reverse osmosis systems, computer rooms; process coolers; ice machines; evaporative cooling; air compressing and related control systems, including pneumatic, DDC, and building control systems equipment. This person performs difficult installation tasks involving assembly, testing, calibrating, and adjusting of temperature control and environmental control systems such as air conditioning plants, air environmental control systems, air distribution systems and complex dual equipment cooling installations, specialized refrigerated warehouses and facilities, and evaporative mechanical ventilation, and dehumidification systems.

The Heating, Ventilation, and Air Conditioning Mechanic (Research Facility) installs new or repaired component and performs complex modifications of systems and components in accordance with applicable electrical

publications and directives, and will maintain and repair specialized laboratory equipment such as fume hoods, de-ionized

water systems, bio-clean systems, vacuum systems, cascade refrigeration systems, and laboratory sinks. This mechanic may perform complex repair of systems component such as compressors, condensers, heat pumps regulators, fluid and refrigerant gas lines valves, meters, gages, thermostats, pumps, mechanical linkage, and electrical sensing, switching and controlling devices including pneumatic controls, variable speed drives, digital controlled devices, electronic, hydraulic heating and cooling and economizer systems.

23430 HEAVY EQUIPMENT MECHANIC

The Heavy Equipment Mechanic analyzes malfunctions and repairs, rebuilds and maintains power equipment, such as cranes, power shovels, scrapers, paving machines, motor graders, trench-digging machines, conveyors, bulldozers, dredges, pumps, compressors and pneumatic tools. This worker operates and inspects machines or equipment to diagnose defects, dismantles and reassembles equipment, using hoists and hand tools, examines parts for damage or excessive wear, using micrometers and gauges, replaces defective engines and subassemblies, such as transmissions, and tests overhauled equipment to insure operating efficiency. The mechanic welds broken parts and structural members, may direct workers engaged in cleaning parts and assisting with assembly and disassembly of equipment, and may repair, adjust and maintain mining machinery, such as stripping and loading shovels, drilling and cutting machines, and continuous mining machines.

23460 INSTRUMENT MECHANIC

The Instrument Mechanic installs, repairs, maintains, and adjusts indicating, recording, telemetering, and controlling instruments used to measure and control variables, such as pressure, flow, temperature, motion, force, and chemical composition, using hand tools and precision instruments. This worker disassembles malfunctioning instruments, examines and tests mechanism and circuitry for defects; troubleshoots equipment in or out of control system and replaces or repairs defective parts, reassembles instrument and tests assembly for conformance with specifications, using instruments, such as potentiometer, resistance bridge, manometer, and pressure gauge; inspects instruments periodically, and makes minor calibration adjustments to insure functioning within specified standards. This mechanic may adjust and repair final control mechanisms, such as automatically controlled valves or positioners, and may calibrate instruments according to established standards.

23470 LABORER

Performs tasks that require mainly physical abilities and effort involving little or no specialized skill or prior work experience. The following tasks are typical of this occupation: Loads and unloads trucks, and other conveyances; moves supplies and materials to proper location by wheelbarrows or handtrucks; stacks materials for storage or binning; collects refuse and salvageable materials. Digs, fills, and tamps earth excavations; levels ground using pick, shovel, tamper and rake; shovels concrete and snow; cleans culverts and ditches; cuts tree and brush; operates power lawnmowers. Moves and arranges heavy pieces of office and household furniture, equipment, and appliances; moves heavy pieces of automotive, medical engineering, and other types of machinery and equipment. Spreads sand and salt on icy roads and walkways; picks up leaves and trash.

23510 LOCKSMITH

Installs, repairs, modifies, and opens a variety of locking mechanisms found on doors, desks, compartments, mobile equipment, safes, and vaults. Examines locking mechanism and installs new unit or disassembles unit and replaces worn tumblers, springs, and other parts or repairs them by filing, drilling, chiseling and grinding. Opens door locks by moving lockpick in cylinder or opens safe locks by listening to lock sounds or by drilling. Makes new or duplicate keys, using key cutting machine. Changes combination by inserting new or repaired tumblers into lock. Establishes keying systems for buildings.

23530 MACHINERY MAINTENANCE MECHANIC

The Machinery Maintenance Mechanic repairs machinery or mechanical equipment. Work involves most of the following: examining machines and mechanical equipment to diagnose source of trouble, dismantling or partly dismantling machines and performing repairs that mainly involve the use of hand tools in scraping and fitting parts. Responsibilities include replacing broken or defective parts with items obtained from stock, and ordering the production of a replacement part by a machine shop or sending the machine to a machine shop for major repairs. Duties also include preparing written specifications for major repairs or for the production of parts ordered from

machine shops, reassembling machines and making all necessary adjustments for operation. In general, the work of a Machinery Maintenance Mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

Excluded from this classification are workers whose primary duties involve setting up or adjusting machines.

23550 MACHINIST, MAINTENANCE

The Machinist, Maintenance produces replacement parts and new parts in making repairs of metal parts of mechanical equipment. Work involves most of the following: interpreting written instructions and specifications, planning and laying out of work, using a variety of machinist's hand tools and precision measuring instruments, setting up and operating standard machine tools. This incumbent is responsible for the shaping of metal parts to close tolerances, making standard shop computations relating to dimensions of work, tooling, feeds, and speeds of machining; knowledge of the working properties of the common metals, selecting standard materials, parts, and equipment required for this work; and fitting and assembling parts into mechanical equipment. In general, the machinist's work normally requires a rounded training in machine-shop practice, usually acquired through a formal apprenticeship or equivalent training and experience.

23580 MAINTENANCE TRADES HELPER

The Maintenance Trades Helper assists one or more workers in the skilled maintenance trades by performing specific or general duties of lesser skill such as: keeping a worker supplied with materials and tools, cleaning working area, machine, and equipment; assisting journeyman by holding materials or tools; and performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from trade to trade. In some trades the helper is confined to supplying, lifting, and holding materials and tools, and cleaning working areas and in others, the worker is permitted to perform specialized machine operations, or parts of a trade that are also performed by workers on a full-time basis.

23640 MILLWRIGHT

The Millwright installs new machines or heavy equipment, and dismantles and installs machines or heavy equipment when changes in the plant layout are required. Work involves most of the following: planning and laying out work; interpreting blueprints or other specifications, using a variety of hand tools and rigging; making standard shop computations relating to stresses, strength of materials, and centers of gravity, aligning and balancing equipment, selecting standard tools, equipment and parts to be used, and installing and maintaining in good order power transmission equipment such as drives and speed reducers. In general, the Millwright's work normally requires a rounded training and experience in the trade acquired through a formal apprenticeship or equivalent training and experience.

23760 PAINTER, MAINTENANCE

The Painter, Maintenance paints and redecorates walls, woodwork and fixtures. Work involves the following: knowledge of surface peculiarities and types of paint required for different applications, preparing surface for painting by removing old finish or by placing putty or filler in nail holes and interstices, and applying paint with spray gun or brush. This person may mix colors, oils, white lead and other paint ingredients to obtain proper color or consistency. In general, the work of the maintenance painter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

23790 PIPEFITTER, MAINTENANCE

The Pipefitter, Maintenance installs or repairs water, steam, gas or other types of pipe and pipefitting. Work involves most of the following: laying out work and measuring to locate position of pipe from drawings or other written specifications, cutting various sizes of pipe to correct lengths with chisel and hammer, oxyacetylene torch or pipe-cutting machines, threading pipe with stocks and dies. This person is responsible for bending pipe by hand-driven or power-driven machines, assembling pipe with couplings and fastening pipe to hangers, making standard shop computations relating to pressures, flow and size of pipe required; and making standard tests to determine whether finished pipes meet specifications. In general, the work of the Maintenance Pipefitter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

Workers primarily engaged in installing and repairing building sanitation or heating systems are excluded.

23810 PLUMBER, MAINTENANCE

The Plumber, Maintenance assembles, installs and repairs pipes, fittings and fixtures of heating, water, and drainage systems, according to specifications and plumbing codes, studies building plans and working drawings to determine work aids required, and sequence of installations. This worker inspects structure to ascertain obstructions to be avoided to prevent weakening of structure resulting from installation of pipe, and locates and marks position of pipe and pipe connections and passage holes for pipes in walls and floors. This worker cuts openings in walls and floors to accommodate pipe and pipe fittings, using hand tools and power tools, cuts and threads pipe, using pipe cutters, cutting torch, and pipe-threading machine, bends pipe to required angle by use of pipe-bending machine, or by placing pipe over block and bending it by hand.

The Plumber, Maintenance assembles and installs valves, pipefittings, and pipes composed of metals, such as iron, steel, brass and lead, and nonmetals, such as glass, vitrified clay, and plastic. This person joins pipe by use of screws, bolts, fittings, solder, plastic solvent, and caulks joints, fills pipe system with water or air and reads pressure gauges to determine whether system is leaking, installs and repairs plumbing fixtures, such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, dishwashers, and water softeners. This person repairs and maintains plumbing by replacing washers in leaky faucets, mending burst pipes, and opening clogged drains, and may weld holding fixtures to steel structural members.

23820 PNEUDRAULIC SYSTEMS MECHANIC

The Pneudraulic Systems Mechanic maintains, modifies, and repairs hydraulic and pneumatic systems and components that actuate mechanisms or produce, control, and regulate the flow of fluids (liquids and gases), tests for and isolates malfunctions in hydraulic and pneumatic systems or components, utilizing technical manuals and schematics, and modifies, repairs or disassembles and overhauls systems or components.

23850 RIGGER

A Rigger assembles rigging to lift and move equipment or material in manufacturing plant or shipyard, selects cables, ropes, pulleys, winches, blocks, and sheaves, according to weight and size of load to be moved, attaches pulley and blocks to fixed overhead structures, such as beams, ceilings, and gin pole booms, with bolts and clamps, attaches load with grappling devices, such as loops, wires, ropes and chains, to crane hook, gives directions to Bridge-or-Gantry-Crane Operator or Hoisting Engineer engaged in hoisting and moving loads to insure safety of workers and material handled, using hand signals, loudspeaker, or telephone. The Rigger also sets up, braces, and rigs hoisting equipment, using hand tools and power wrenches, splices rope and wire cables to make or repair slings and tackle, and may direct workers engaged in hoisting machinery and equipment into ships.

23870 SCALE MECHANIC

The Scale Mechanic installs, calibrates, and repairs weighing scales, using hand tools, power tools, and standard test weights, moves scale into position, using hoists and rollers, inserts shims between scale base and foundation to level scale, secures scale to foundation, using hand tools. This worker tests scale, using certified weights, and adjusts pivots, dial settings, and pendulums to ensure that weight indication meets legal specifications, turns setscrews to adjust spring scales disassembles scales and repairs or replaces worn or damaged parts, such as pivots and bearings. This worker straightens, cleans, and repaints structural parts of scale, and may install, adjust and repair electronically controlled scales.

23890 SHEET-METAL WORKER, MAINTENANCE

The Sheet-Metal Worker, Maintenance fabricates, installs and maintains in good repair the sheet-metal equipment and fixtures (such as machine guards, grease pans, shelves, lockers, tanks, ventilators, chutes, ducts, metal roofing) of an establishment. Work involves most of the following: planning and laying out all types of sheet-metal maintenance work from blueprints, models, or other specifications, setting up and operating all available types of sheet-metal working machines, using a variety of hand tools in cutting, bending, forming, shaping, fitting and assembling, and installing sheet-metal articles as required. In general, the work of the maintenance sheet-metal worker requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

23910 SMALL ENGINE MECHANIC

The Small Engine Mechanic repairs fractional-horsepower gasoline engines used to power lawnmowers, garden tractors, and similar machines, using hand tools, locates causes of trouble, dismantles engines, using hand tools, and

examines parts for defects, replaces or repairs parts, such as rings and bearings, cleans and adjusts carburetor and magneto, starts repaired engines and listens to sounds to test performance.

23931 TELECOMMUNICATIONS MECHANIC I

The Telecommunications Mechanic I installs, removes, maintains, modifies, troubleshoots, and repairs voice and/or non-voice communications systems including intercom and public address systems, alarm systems, teletype equipment, and electronic and electromechanical telephone key systems/PBAXs; terminal and communications equipment, including line drivers. This mechanic runs cables, key cables, or house wire to all telephone sets, terminal connectors, lugs, pins, or screws, associated with key telephone equipment and/or terminating equipment for non-voice circuits.

23932 TELECOMMUNICATIONS MECHANIC II

The Telecommunications Mechanic II installs, tests, troubleshoots, programs, maintains, and repairs digital switching equipment, attendant consoles, power and ringing relay racks, miscellaneous telephone, radio, fire alarms, intrusion alarms, and computer data circuits and related apparatus required in the central switching office. This worker analyzes system failures and other unusual system occurrences to isolate the source of the problem and determine whether the failure is caused by software, hardware, or other factors. Employees in this position maintain manual and/or computerized central office records, including detail records, traffic analysis records, cable records, line records, subscriber service records, and spare parts inventories.

23950 TELEPHONE LINEMAN

This occupation includes jobs that involve installing, and repairing aerial and underground communications lines and auxiliary equipment such as conduits, insulators, and poles. The work does not require completing line connections.

23960 WELDER, COMBINATION, MAINTENANCE

This incumbent welds metal components together to fabricate or repair products, such as machine parts, plant equipment, mobile homes, motors and generators, according to layouts, blueprints or work orders, using brazing and a variety of arc and gas welding equipment. This worker welds metal parts together, using both gas welding or brazing and any combination of arc welding processes, performs related tasks such as thermal cutting and grinding, repairs broken or cracked parts, fills holes and increases size of metal parts, positions and clamps together components of fabricated metal products preparatory to welding. This worker may locate and repair cracks in industrial engine cylinder heads, using inspection equipment and gas torch, may perform repairs only and be required to pass employer performance tests or standard tests to meet certification standards of governmental agencies or professional and technical associations.

Note: Employees welding aircraft and ground support equipment should be classified as an Aerospace Structural Welder.

23965 WELL DRILLER

Sets up and operates portable drilling rig (machine and related equipment) to drill wells. Extend stabilizing jackscrews to support and level drilling rig. Moves levers to control power-driven winch that raises and extends telescoping mast. Bolts trusses and guy wires to raised mast and anchors them to machine frame and stakes. Assembles drilling tools, using hand tools or power tools. Moves levers and pedals to raise tools into vertical drilling position and lowers well casing (pipe that shores up walls of well) into well bore, using winch. Moves levers and pedals and turns handwells to control reciprocating action of machine and to drive or extract well casing. Pumps water into well to facilitate drilling by cooling drill bit and removing drillings. Listens to sounds of drilling machine and feels cable or brake to determine drilling conditions and to identify variations such as entering new strata or striking rock. Moves levers to adjust stroke and impact of cable tool drilling machine or changes drill bits of rotary drilling machine to fit changing conditions. Replaces drill bit with tool to collect samples of earth or rock being penetrated. Examines samples to determine nature of strata encountered or submits samples to laboratory for analysis. Records drilling progress and geological data. Splices worn or broken cable. May sharpen bits by heating them in forging furnace and hammering edges on anvil. May build up worn drill bits by arc welding, tempering bits in furnace, and by quenching them in water. May retrieve lost equipment from boreholes, using specialized retrieval tools and equipment. May fabricate well casings. May restore wells to active production.

23970 WOODCRAFT WORKER

Makes and repairs high-grade wooden items such as fine cabinets and furniture. Studies blueprints or drawings of articles to be constructed or repaired, and plans sequence of cutting or shaping operations to be performed. Marks outline or dimensions of parts on paper or lumber stock, according to blueprint or drawing specifications. Matches materials for color, grain, or texture. Sets up and operates woodworking machines, such as power saws, jointer, mortiser, tenoner, molder, and shaper, to cut and shape parts from woodstock. Trims component parts of joints to insure snug fit, using hand tools, such as planes, chisels, or wood files. Bores holes for insertion of screws or dowels by hand or using boring machine. Glues, fits, and clamps parts and subassemblies together to form complete unit, using clamps or clamping machine. Drives nails or other fasteners into joints at designated places to reinforce joints. Sands and scrapes surfaces and joints of articles to prepare articles for finishing. May dip, brush, or spray assembled articles with protective or decorative materials, such as stain, varnish or paint. May install hardware, such as hinges, catches, and drawer pulls.

23980 WOODWORKER

Constructs and repairs items such as boxes, crates, pallets, and storage bins from wood and wood substitutes. Studies specifications; and measures, marks, and cuts boards, using patterns, templates, ruler, pencil, and hand and power saws. Fastens or installs parts, using hammer, nailing machine, or power stapler. Repairs defective containers by replacing damaged parts. Inserts wood bracings, cardboard files, and felt pads in containers. May build crate around object, using ruler, hand tools, and pneumatic nailer. May fabricate, repair, modify, and replace woodwork on vehicle sides and beds. May apply preservative to prolong wood life. May pack, seal, band, and apply markings to crates and containers.

RECREATION OCCUPATIONS

28310 LIFEGUARD

The Lifeguard monitors activities at swimming pool to prevent accidents and to provide assistance to swimmers, maintains order in pool and pool areas, rescues swimmers in danger of drowning and administers first aid, inspects facilities for cleanliness, cleans pool and pool areas including bathhouse, determines chlorine content and pH value of water using water testing kit, and records readings. This person may check in and out items such as towels and personal items, may conduct or officiate at swimming meets, and may give swimming instruction.

28350 PARK ATTENDANT (AIDE)

This incumbent assists in operation of state or national parks, monument, historic site, or recreational areas, performing a combination of clerical and other duties. This attendant greets visitors at facility entrance, hands out informational pamphlets, maps, explains regulations, and other information concerning camping and visiting the facility. The Park Attendant assigns campground or recreational sites, collects fees, fills out camping and visitor permits, and maintains register of campers and visitors, maintains campgrounds and other areas, cautions visitors against infractions of rules, and reports all disturbances and problems to superior officer or as a last resort to local law enforcement officers. This attendant replenishes firewood, and assists in maintaining camping and recreational areas in clean and orderly condition, and conducts tours of premises and answers visitors' questions when stationed at historic park, site or monument. The Park Attendant operates projection and sound equipment and assists in presentation of interpretive programs, provides simple first aid treatment to visitors injured on premises, and assists persons with more serious injuries to obtain appropriate medical care, and participates in carrying out fire-fighting or conservation activities. This worker assists other workers in activities concerned with restoration of buildings and other facilities, or excavation and presentation of artifacts when stationed at historic or archeological site, keeps a record of all complaints and criticisms of park facilities, and reports maintenance items to superior.

28510 RECREATION AIDE/HEALTH FACILITY ATTENDANT

Accepts reservations, collects fees, hands out towels, checks out equipment, maintains records of material used, number of patrons and other required information for operation of the facility. May prepare individual exercise records including measuring and patrons exercise objectives. Demonstrates proper use of equipment. May monitor exercise areas, sauna, steam rooms, whirlpool and dressing areas to ensure compliance with facility rules.

28515 RECREATION SPECIALIST

The Recreation Specialist plans, organizes, and directs comprehensive public and voluntary recreation programs at recreation building, indoor center, playground, playfield, or day camp. This person studies and analyzes recreational

needs and resources, oversees and assigns duties to staff, interprets recreation programs and their philosophy to individuals and groups through personal participation and staff assignments, and schedules maintenance and use of facilities.

STEVEDORING/LONGSHORMEN OCCUPATIONAL SERVICES

29010 BLOCKER AND BRACER

The Blocker and Bracer secures cargo in or aboard cargo carriers such as trucks, vans, trailers, railroad cars, seavans, barges and ships to prevent damage during its transportation, determines appropriate lumber size and kind and prepares the lumber required for braces, chocks, blocks, beams, planking, cribbing, skids, cradles, saddles, etc., using hand and power tools. This worker nails, spikes, bolts, or fastens with wood screws or lag screws supporting and bracing fixtures to secure cargo items, constructs weatherproof shelters over some types of deck loads, guys, lashes and binds heavy equipment to pad eyes, rings, eyelets, hooks, stanchions, cleats, or other supporting fixtures using chains, ropes, cable, wires or metal straps. This worker constructs temporary trestles, decking, bulkheads, cribbing and sheathing, and cuts dunnage to support, stiffen, or separate bulky or heavy cargo.

29020 HATCH TENDER

The Hatch Tender signals Winch Operator (water trans.) to transfer cargo from dock to ship's hold or from ship's hold to dock, observes workers attaching or detaching slings to or from loads to determine moment for signaling, waves arms to indicate ready signal for transfer of cargo, and may alternate jobs with Winch Operator.

29030 LINE HANDLER

The Line Handler secures and removes ship's docking lines to and from dock, catches lines heaved from ship attempting to dock, drags lines to bitts on dock and slips eye of mooring lines over bitts, removes lines from bitts when ships depart, and may drive vehicle to pull in docking lines.

29041 STEVEDORE I

The Stevedore I loads and unloads ships' cargos, carries or moves cargo by hand truck to wharf and stacks cargo on pallets or cargo boards to facilitate transfer to and from ship, stacks cargo in transit shed or in hold of ship as directed by Header, and attaches and moves slings used to lift cargo. This worker guides load being lifted to prevent swinging and shores cargo in ship's hold to prevent shifting during voyage. May be called longshoreman or may be designated according to area in which work is performed as stevedore, dock; stevedore, front; stevedore, hold.

29042 STEVEDORE II

The Stevedore II operates material handling equipment, such as power winch, grain trimmer, crane, and lift truck, to transfer cargo into or from ship and about dock area, operates crane or winch to load or unload cargo, such as automobiles, crates, scrap, and steel beams, using hook, magnet, or sling attached in accordance with signals from other workers. This worker moves controls to start flow of grain from spouts of grain trimmer, stopping flow and repositioning spout over each hatch when previous hatch is filled. The Stevedore II drives lift truck along dock or aboard ship to transfer bulk items, such as lumber, pallet-mount machinery, and crated products within range of winch, drives tractor to transfer loaded trailers from warehouse dockside, and may position and fasten hose lines to ships' cargo tanks when loading or unloading liquid cargo, such as animal fats, vegetable oils, molasses, or chemicals. This worker may perform variety of manual duties, such as lashing or shoring cargo aboard ship, attaching slings, hooks, or other lifting devices to winch for loading or unloading, and signaling other workers to move, raise, or lower cargo, and may direct activities of cargo gang consisting of Stevedore I. This worker may also be called longshoremen.

MISCELLANEOUS OCCUPATIONS

99030 CASHIER

The Cashier receives cash from customers or employees in payment for goods or services and records amounts received, computes or re-computes bills, itemized lists, and tickets showing amount due using adding machine or cash register, makes change, cashes checks and issues receipts or tickets to customers; records amounts received,

prepares reports of transactions, reads and records totals shown on cash register tape and verifies against cash on hand. The Cashier may make credit card transactions and may be required to know value and features of items for which money is received. This worker may give cash refunds or issue credit memorandums to customers for returned merchandise, operate ticket-dispensing machine, sell candy, cigarettes, gum and gift certificates, and issue trading stamps. This person is usually employed in restaurants, cafeterias, theaters, retail stores, and other establishments.

99050 DESK CLERK

The Desk Clerk performs any combination of the following duties for guests of hotel, motel, or other lodging facility: registers and assigns rooms to guests, issues and receives room keys, date-stamps, sorts, and racks incoming mail and messages; receives and transmits messages using equipment such as telephone switchboard, console, telegraph, and teletype, answers inquiries pertaining to establishment services, shopping, dining, entertainment, and travel directions, keeps records of room availability and guests' accounts, computes bills, collects payments, and makes changes for guests. The Desk Clerk makes and confirms room reservations, may post charges such as room, food, liquor, or telephone to casebooks by hand or machine, make restaurant, transportation, or entertainment reservations, and arrange for tours, may deposit guests' valuables in safe or safedeposit box, and may sell tobacco, candy, and newspapers.

99810 SALES CLERK

The Sales Clerk sells a variety of inexpensive merchandise usually in a retail trade establishment, for which knowledge of the items sold is not a primary requirement. This incumbent performs the following tasks: stocks shelves, counters, or tables with merchandise, sets up advertising displays or arranges merchandise on counters or tables to promote sales, stamps, marks, or tags price on merchandise; obtains merchandise requested by customer or receives merchandise selected by customer; totals price and tax on merchandise selected by customer using paper and pencil, cash register, or adding machine to determine bill. This worker receives payment and makes change, occasionally calculates sales discount in determining sales slip, wraps or bags merchandise for customers, cleans shelves, counter, or tables, as necessary; may keep record of sales, prepare inventory of stock, or order merchandise; and may be designated according to product sold or type of store.

99820 SCHOOL CROSSING GUARD

The School Crossing Guard controls traffic at the school crosswalk to insure safety during school hours, when children/pedestrians are going to or coming from school, instructs children/pedestrians to remain on the curb until signaled to cross and enforces instructions, directs action of traffic at street intersection to insure safe crossing of children/pedestrians. This incumbent must be knowledgeable of the traffic hand and arm signals as prescribed, uses the prescribed hand and arm signals (sequentially), stops all vehicles (except emergency vehicles), signals pedestrians to cross, and signals the resumption of vehicle traffic. This worker observes the areas adjacent to the crosswalks/intersection and reports to the police any suspicious activity (loitering, drug dealing, etc.), license numbers of vehicles disregarding traffic signals and any other vehicle moving violations. This person must be knowledgeable of state laws for school buses and school crosswalks, may escort children across the street, may place caution signs at designated points before duty and remove them at end of shift, and may stop vehicles and warn drivers and direct traffic in vicinity.

99830 SURVEY PARTY CHIEF (CHIEF OF PARTY)

The Survey Party Chief (Chief of Party) leads day-to-day work activities of survey party under direction of land surveyor performing surveying duties not requiring licensure; supervises crew engaged in gathering data about the earth's surface using a variety of surveying instruments and in clearing land and setting stakes to identify certain points; checks final field notes for clarity and accuracy and completes transmittal forms.

99831 SURVEYING AIDE

The Surveying Aide performs any of following duties to assist in surveying land: holds level or stadia rod at designated points to assist in determining elevations and laying out stakes for map making, construction, mining, land, and other surveys, calls out reading or writes station number and reading in notebook marks points of measurement with elevation, station number, or other identifying mark, and measures distance between survey points, using steel or cloth tape or surveyor's chain. This worker marks measuring point with keel (marking crayon), paint sticks, scratches, tacks, or stakes, places stakes at designated points and drives them into ground at specified

elevation using hammer or hatchet, and cuts and clears brush and trees from line of survey, using brush hook, knife, ax, or other cutting tools.

99832 SURVEYING TECHNICIAN (INSTRUMENT PERSON; SURVEYOR ASSISTANT, INSTRUMENTS)

The Surveying Technician obtains data pertaining to angles, elevations, points, and contours used for map making, mining, or other purposes, using alidade, level, transit, plane table, theodolite, electronic distance measuring equipment, and other surveying instruments, compiles notes, sketches, and records of data obtained and work performed, and directs work of subordinate members of survey team.