

**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:** Federal Supply Schedule 736 – Temporary, Administrative and Professional Staffing (TAPS) Services

**FSC Group:** 736

**CONTRACT NUMBER:** GS-07F-0445T

**CONTRACT PERIOD:** 01 JUL 2007 to 30 JUN 2017

**CONTRACTOR:** Dunhill Personnel of Hawaii, Inc.  
1164 Bishop Street, Suite 124 #206  
Honolulu, HI 96813  
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Web Site: [www.dunhillhawaii.com](http://www.dunhillhawaii.com)  
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**CONTRACTOR'S ADMINISTRATION SOURCE:** Nadine Stollenmaier

**BUSINESS SIZE:** Small Disadvantaged, Woman Owned Business



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**CUSTOMER INFORMATION:**

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

<b>SIN</b>	<b>DESCRIPTION</b>
736-1	Administrative Support and Clerical Occupations
736-2	Automatic Data Processing Occupations
736-3	General Services and Support Occupations
736-4	Information and Arts Occupations, Including Miscellaneous
736-5	Technical and Professional Occupations

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

**1c. HOURLY RATES AND DESCRIPTIONS OF ALL CORRESPONDING COMMERCIAL JOB DITLES, EXPERIENCE, FUNCTIONAL RESPONSIBILITY AND EDUCATION:** All hourly rates shown are firm fixed price. See the following price list for hourly rates by location and labor category. 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: \$100.00.**

**4. GEOGRAPHIC COVERAGE:** The preponderance of work location has been identified as:

Hawaii (Statewide) - Wage Determination: 05-2153 Revision: 17 Dated: 6/19/2013

Service in an area with lower SCA rates, resulting in lower wages being paid, will have the bill rates for that task order discounted accordingly from the approved pricing spreadsheet (baseline). Dunhill Staffing, Inc. shall never offer bill rates to any customer that have been deemed higher than those included on the approved pricing spreadsheet prior to the request (and subsequent receipt or award) of a modification for the area with the higher pricing.

**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**

- 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
- 11a. **TIME OF DELIVERY:** N/A
- 11b. **EXPEDITED DELIVERY:** N/A
- 11c. **OVERNIGHT AND 2-DAY DELIVERY:** N/A
- 11d. **URGENT REQUIRMENTS:** Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.
- 12. **FOB POINT:** N/A
- 13a. **ORDERING ADDRESS:** Same as contractor
- 14. **PAYMENT ADDRESS:** Same as contractor
- 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:** N/A
- 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 AVAILABLE):** N/A
- 20a. **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
- 24a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** N/A

**24b. Section 508 Compliance for EIT: N/A**

**25. DUNS NUMBER: 066273657**

**26. Notification regarding registration in the System for Award Management (SAM) database. Registration valid to 01/24/2014.**

## PRICING FOR HAWAII, STATEWIDE

### POSITION GSA BILL RATE

SIN 736-1	
Accounting Clerk I	\$28.37
Accounting Clerk II	\$31.17
Accounting Clerk III	\$33.60
Administrative Assistant	\$48.49
Document Preparation Clerk	\$26.65
Duplicating Machine Operator	\$27.69
General Clerk I	\$25.61
General Clerk II	\$27.51
General Clerk III	\$30.39
Messenger Courier	\$25.52
Order Clerk I	\$26.70
Order Clerk II	\$28.66
Personnel Assistant (Employment) I	\$30.98
Personnel Assistant (Employment) II	\$34.39
Personnel Assistant (Employment) III	\$37.36
Production Control Clerk	\$36.01
Receptionist	\$30.32
Secretary I	\$36.30
Secretary II	\$40.01
Secretary III	\$44.04
Service Order Dispatcher	\$28.09
Travel Clerk I	\$29.32

Travel Clerk II	\$31.25
Travel Clerk III	\$33.16
Word Processor I	\$28.61
Word Processor II	\$31.49
Word Processor III	\$34.64
Desk Clerk	\$35.35
Scheduler, Maintenance	\$36.30
Supply Technician	\$47.41
<b>SIN 736-2</b>	
Data Entry Operator I	\$26.66
Data Entry Operator II	\$28.61
Computer Operator I	\$33.82
Computer Operator II	\$37.23
Computer Operator III	\$42.46
Computer Operator IV	\$45.76
Computer Operator V	\$50.10
Personal Computer Support Technician	\$45.76
<b>SIN 736-3</b>	
Elevator Operator	\$28.98
Housekeeping Aide	\$31.01
Janitor	\$31.01
Maid or Houseman	\$31.95
Material Coordinator	\$45.63
Material Expediter	\$45.63
Material Handling Laborer	\$36.39

Order Filler	\$30.10
Production Line Worker (Food Processing)	\$43.68
Shipping Packer	\$33.28
Shipping/Receiving Clerk	\$32.30
Store Worker I	\$29.58
Stock Clerk	\$39.49
Tools And Parts Attendant	\$43.68
Warehouse Specialist	\$43.68
Electronics Technician Maintenance I	\$54.77
Electronics Technician Maintenance II	\$58.21
Electronics Technician Maintenance III	\$61.71
Laborer	\$35.61
Bus Aide	\$29.06
Driver Courier	\$31.17
Parking and Lot Attendant	\$22.04
Motor Vehicle Mechanic	\$52.61
Laborer, Grounds Maintenance	\$30.18
Carpenter, Maintenance	\$62.47
Electrician, Maintenance	\$57.43
Fire Alarm System Mechanic	\$48.53
Fire Extinguisher Repairer	\$41.02
General Maintenance Worker	\$39.28
Ground Support Equipment Mechanic	\$55.15
Ground Support Equipment Servicer	\$46.98
Ground Support Equipment Worker	\$49.84



HVAC Mechanic	\$49.66
HVAC (Research Facility)	\$52.35
Heavy Equipment Operator	\$68.27
Heavy Equipment Mechanic	\$57.50
Instrument Mechanic	\$60.57
Laboratory/Shelter Mechanic	\$49.66
Machinery Maintenance Mechanic	\$50.84
Machinist, Maintenance	\$50.63
Maintenance Trades Helper	\$32.72
Millwright	\$52.60
Office Appliance Repairer	\$45.01
Painter, Maintenance	\$51.91
Pipefitter, Maintenance	\$56.39
Plumber, Maintenance	\$52.73
Pneudraulic Systems Mechanic	\$52.60
Rigger	\$52.60
Scale Mechanic	\$46.77
Sheet-Metal Worker, Maintenance	\$57.79
Welder, Combination, Maintenance	\$51.48
Boiler Tender	\$54.03
Sewage Plant Operator	\$45.74
Stationary Engineer	\$54.03
Ventilation Equipment Tender	\$40.73
Water Treatment Plant Operator	\$45.74
Truckdriver, Light	\$32.85

Truckdriver, Medium	\$37.05
Truckdriver, Heavy	\$38.93
Gate Attendant/Gate Tender	\$30.32
Park Attendant (Aide)	\$33.32
Recreation Aide/Health Facility Attendant	\$26.71
<b>SIN 736-4</b>	
Exhibits Specialist I	\$37.21
Exhibits Specialist II	\$43.28
Guard I	\$27.56
Library Aide/Clerk	\$28.32
Library Technician	\$33.55
Photographer I	\$28.03
Video Teleconference Technician	\$38.36
<b>SIN 736-5</b>	
Breath Alcohol Technician	\$43.43
Medical Record Clerk	\$38.09
Medical Record Technician	\$42.02
Environmental Technician	\$41.48
Paralegal/Legal Assistant I	\$35.66
Paralegal/Legal Assistant II	\$43.01
Paralegal/Legal Assistant III	\$51.49
Paralegal/Legal Assistant IV	\$61.19
Technical Writer I	\$42.55
Technical Writer II	\$50.93
Technical Writer III	\$60.57

Civil Engineering Technician	\$40.41
Drafter/CAD Operator I	\$32.72
Drafter/CAD Operator II	\$36.94
Drafter/CAD Operator III	\$40.59
Drafter/CAD Operator IV	\$48.80
Engineering Technician I	\$31.15
Engineering Technician II	\$35.64
Engineering Technician III	\$41.97
Engineering Technician IV	\$53.81
Engineering Technician V	\$58.51
Engineering Technician VI	\$69.71

## LABOR CATEGORY DESCRIPTIONS

### SIN 736-1

#### **(N) ACCOUNTING CLERK I**

Performs very simple and routine accounting clerical operations, for example, recognizing and comparing easily identified numbers and codes on similar and repetitive accounting documents, verifying mathematical accuracy, and identifying discrepancies and bringing them to the supervisor's attention. Supervisor gives clear and detailed instructions for specific assignments. Employee refers to supervisor all matters not covered by instructions. Work is closely controlled and reviewed in detail for accuracy, adequacy, and adherence to instructions.

Requires a high school diploma or its equivalent with 0-3 years of experience in the field or in a related area.

#### **(N) ACCOUNTING CLERK II**

Performs one or more routine accounting clerical operations, such as: examining, verifying, and correcting accounting transactions to insure completeness and accuracy of data and proper identification of accounts, and checking that expenditures will not exceed obligations in specified accounts; totaling, balancing, and reconciling collection vouchers; posting data to transaction sheets where employee identifies proper accounts and items to be posted; and coding documents in accordance with a chart (listing) of accounts. Employee follows specific and detailed accounting procedures. Completed work is reviewed for accuracy and compliance with procedures.

Requires a high school diploma or its equivalent with 2-5 years of experience in the field or in a related area.

#### **(N) ACCOUNTING CLERK III**

Uses a knowledge of double entry bookkeeping in performing one or more of the following: posts actions to journals, identifying subsidiary accounts affected and debit and credit entries to be made and assigning proper codes; reviews computer printouts against manually maintained journals, detecting and correcting erroneous postings, and preparing documents to adjust accounting classifications and other data; or reviews lists of transactions rejected by an automated system, determining reasons for rejections, and preparing necessary correcting material. On routine assignments, employee selects and applies established procedures and techniques. Detailed instructions are provided for difficult or unusual assignments. Completed work and methods used are reviewed for technical accuracy.

Requires a high school diploma or its equivalent with at least 5 years of experience in the field or in a related area.

## **(N) ADMINISTRATIVE ASSISTANT**

Performs a variety of administrative functions. Schedules appointments, gives information to callers, and takes dictation. Composes memos, transcribes notes, and researches and creates presentations. Generates reports, handles multiple projects, and prepares and monitors invoices and expense reports. May assist with compiling and developing the annual budget. Requires a high school diploma with at least 5 years of experience in the field or in a related area. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. May direct and lead the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.

Requires a high school diploma with 0-2 years of experience in the field or in a related area.

## **(N) DOCUMENT PREPARATION CLERK (Document Preparer)**

Prepares documents such as brochures, books, periodicals, catalogs, and pamphlets for copying or photocopying, photographic, and other reproducing office machines. Cuts documents into individual pages of standard size and format when allowed by margin space, using paper cutter or razor knife. Reproduces document pages as necessary to improve clarity or to reduce one or more pages into single page of standard size for copying machine being used, using photocopying machine. Stamps standard symbols on pages or inserts instruction cards between pages of material to notify Duplicating Machine Operator of special handling, such as manual repositioning during copying procedure. Prepares cover sheet and document folder for material, and index card for organizations' files indicating information, such as organization's name and address, subject or product category, and index code to identify material. Inserts material to be copied in document folder, and files folder for processing according to index code and copying priority schedule.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) DUPLICATING MACHINE OPERATOR (Photocopy Machine Operator; Reproduction worker)**

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. Operates small binding machines. Performs clerical duties associated with the request for printing and photographic services. Prepares assembly sheets and printing requisitions with specifications for printing and binding. Keeps record of work, and delivers and picks up work. Performs minor repairs and preventive maintenance. Maintains an inventory of supplies and parts needed for reproduction equipment. Important variables may be indicated by trade name of machine operated.

Requires a high school diploma with 2-4 years of experience in the field or in a related area.

## **(N) GENERAL CLERK I**

Follows a few clearly detailed procedures in performing simple repetitive tasks in the same sequence, such as filing precoded documents in a chronological file or operating office equipment, e.g., mimeograph, photocopy, addressograph or mailing machine.

Requires a high school diploma or its equivalent with 0-3 years of experience in the field or in a related area.

## **(N) GENERAL CLERK II**

Follows a number of 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, simple posting to individual accounts, opening mail, running mail through metering machines, and calculating and posting charges to departmental accounts. Little or no subject-matter knowledge is required, but the clerk needs to choose the proper procedure for each task.

Requires a high school diploma or its equivalent with 2-5 years of experience in the field or in a related area.

## **(N) GENERAL CLERK III**

Work requires a familiarity with the terminology of the office unit. 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.

Requires a high school diploma or its equivalent with at least 5 years of experience in the field or in a related area.

## **(N) MESSENGER COURIER**

Picks up and delivers packages. May also be expected to distribute and route mail and packages. Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) 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.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) 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.

Requires a high school diploma or its equivalent with 2-4 years of experience in the field or in a related area.

## **(N) PERSONNEL ASSISTANT (EMPLOYMENT) I**

Performs routine tasks which require a knowledge of personnel procedures and rules, such as: providing simple employment information and appropriate lists and forms to applicants or employees on types of jobs being filled, procedures to follow, and where to obtain additional information; ensuring that the proper forms are completed for name changes, locator information, applications, etc. and reviewing completed forms for signatures and proper entries; or maintaining personnel records, contacting appropriate sources to secure any missing items, and posting items such as dates of promotions, transfers, and hires, or rates of pay or personal data. If this information is computerized, outside inquiries for simple factual information, such as verification of dates of employment in response to telephone credit checks of employees, some receptionist or other clerical duties may be performed. May be assigned work to provide training for a higher-level position. Detailed rules and procedures are available for all assignments. Guidance and assistance on unusual questions are available at all times. Work is spot checked, often on a daily basis.

Requires a high school diploma with 0-2 years of experience in the field or in a related area.

## **(N) PERSONNEL ASSISTANT (EMPLOYMENT) II**

Examines and/or processes personnel action documents using experience in applying personnel procedures and policies. Ensures that information is complete and consistent and determines whether further discussion with applicants or employees is needed or whether personnel information must be checked against additional files or listings. Selects appropriate precedents, rules, or procedures from a number of alternatives. Responds to varied questions from applicants, employees, or managers for readily available information which can be obtained from file material or manuals; responses require skill to secure cooperation in correcting improperly completed personnel documents or to explain regulations and procedures. May provide information to managers on availability of applicants and status of hiring actions; may verify employment dates and places supplied on job applications; may maintain personnel records; and may administer typing and stenography test. Completes routine assignments independently. Detailed guidance is available for situations which deviate from established precedents. Clerks/assistants are relied upon to alert higher-level clerks/assistants or supervisor to such situations. Work may be spot checked periodically.

Requires a high school diploma with 2-4 years of experience in the field or in a related area.

## **(N) PERSONNEL ASSISTANT (EMPLOYMENT) III**

Serves as a clerical expert in independently processing the most complicated types of personnel actions, e.g., temporary employment, rehires, and dismissals and in providing information when it is necessary to consolidate data from a number of sources, often with short deadlines. Screens applications for obvious rejections. Resolves conflicts in computer listings or other sources of employee information. Locates lost documents or reconstructs information using a number of sources. May check references of applicants when information in addition to dates and places of past work is needed, and judgment is required to ask appropriate routine follow-up questions. May provide guidance to lower level clerks. Supervisory review is similar to Level II. AND/OR Performs routine personnel assignments beyond the clerical level, such as: orienting new employees to programs, facilities, rules on time and attendance, and leave policies; computing basic statistical information for reports on manpower profiles, EEO progress and accomplishments, hiring activities, attendance and leave profiles, turnover, etc.; and screening applicants for well-defined positions, rejecting those who do not qualify for available openings for clear cut reasons, referring others to appropriate employment interviewer. Guidance is provided on possible sources of information, methods of work, and types of reports needed. Completed written work receives close technical review from higher level personnel office employees; other work may be checked occasionally.

Requires a high school diploma with at least 5 years of experience in the field or in a related area.

## **(N) PRODUCTION CONTROL CLERK**

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, performing any combination of the following duties: Compiles and records production data from such documents as customer orders, work tickets, product specifications, and individual worker production sheets, following prescribed recording procedures and using typewriters and other devices. 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 adding machine or calculator. Writes production reports based on data compiled, tabulated and computed, following prescribed formats. Maintains files of documents used and prepared. Compiles from customer orders and other specifications detailed production sheets or work tickets for use by production workers as guides in assembly or manufacture of products. 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. Sorts and distributes work tickets or material to workers. May compute wages from employee time cards and post wage data on records used for preparation of payroll.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) RECEPTIONIST**

Greets vendors, customers, job applicants and other visitors, and arranges for transportation services, when needed. May operate a switchboard to route incoming calls and place outgoing calls. Requires a high school diploma or its equivalent with 0-2 years of experience in the field or



in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) SECRETARY I**

Carries out recurring office procedures independently. Selects the guideline or reference which fits the specific case. Supervisor provides specific instructions on new assignments and checks completed work for accuracy. Performs varied duties including or comparable to the following:

1. 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;
2. As instructed, maintains supervisor's calendar, makes appointments, and arranges for meeting rooms;
3. Reviews materials prepared for supervisor's approval for typographical accuracy and proper format;
4. Maintains recurring internal reports, such as time and leave records, office equipment listings, correspondence controls, and training plans;
5. Requisitions supplies, printing, maintenance, or other services. Types, takes and transcribes dictation, and establishes and maintains office files.

Requires a high school diploma with 0-2 years of experience in the field or in a related area.

## **(N) SECRETARY II**

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. Duties include or are comparable to the following:

1. 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, non technical correspondence in own or supervisor's name;
2. 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;
3. Reviews outgoing materials and correspondence for internal consistency and conformance with supervisor's procedures; assures that proper clearances have been obtained, when needed;
4. Collects information from the files or staff for routine inquiries on office program(s) or periodic reports. Refers nonroutine requests to supervisor or staff;
5. Explains to subordinate staff supervisor's requirements concerning office procedures. coordinates personnel and administrative forms for the office and forwards for processing.

Requires a high school diploma with 2-4 years of experience in the field or in a related area.

## **(N) 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:

1. Based on knowledge of the supervisor's views, composes correspondence on own initiative about administrative matters and general office policies for supervisor's approval;
2. Anticipates and prepares materials needed by the supervisor for conferences, correspondence, appointments, meetings, telephone calls, etc., and informs supervisor on matters to be considered;
3. Reads publications, regulations, and directives and takes action or refers those that are important to the supervisor and staff;
4. Prepares 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;
5. Advises secretaries in subordinate offices on new procedures; requests information needed from the subordinate office(s) for periodic or special conferences, reports, inquiries, etc. Shifts clerical staff to accommodate workload needs.

Requires a high school diploma with at least 5 years of experience in the field or in a related area.

## **(N) SERVICE ORDER DISPATCHER**

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 call and dispatches service crew. Calls or writes 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 telephone equipment.

Requires a high school diploma with 2-4 years of experience in the field or in a related area.

## **(N) TRAVEL CLERK I**

Under close supervision or following specific procedures and detailed instructions, arranges travel on one and sometimes two modes of transportation. Travel is almost always 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.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) 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 through the use of readily obtainable timetables or guides.

Travel is frequently recurrent. A substantial number of problems arise as a result 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.

Requires a high school diploma or its equivalent with 3-5 years of experience in the field or in a related area.

## **(N) TRAVEL CLERK III**

At this level, all major modes of transportation are used, and 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 responsible as the principal point of liaison with other elements and with carriers and other facilities.

May require a bachelor's degree in area of specialty and at least 5 years of experience in the field or in a related area.

## **(N) WORD PROCESSOR I**

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. Performs familiar, routine assignments following standard procedures. Seeks further instructions for assignments requiring deviations from established procedures.

Requires a high school diploma or its equivalent and 0-2 years of experience in the field or in a related area.

## **(N) WORD PROCESSOR II**

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:

Editing and reformatting written or electronic drafts. Examples include: Correcting function codes; adjusting spacing and formatting; and standardizing headings, margins, and indentations.

Transcribing scientific reports, lab analyses, 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.

Requires a high school diploma or its equivalent and 2-4 years of experience in the field or in a related area.

## **(N) 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.

Requires a high school diploma or its equivalent and at least 4 years of experience in the field or in a related area.

## **(N) SCHEDULER, MAINTENANCE**

Schedules repairs and lubrication of motor vehicles for vehicle-maintenance concern or company automotive-service shop. Schedules vehicles for lubrication or repairs based on date of last

lubrication and mileage traveled or urgency of repairs. Contacts garage to verify availability of facilities. Notifies parking garage workers to deliver specified vehicles. Maintains file of requests for services.

## **(N) SUPPLY TECHNICIAN**

Performs limited aspects of technical supply management work (e.g., inventory management, storage management, cataloging, 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.

### **SIN 736-2**

## **(N) DATA ENTRY OPERATOR I**

Operates a data entry device to record or verify a variety of standard and/or complex coded or uncoded business and statistical source data into a computer. Requires a high school diploma or its equivalent with 0-3 years of experience in the field or in a related area. Has knowledge of commonly-used concepts, practices, and procedures within a particular field. Relies on instructions and pre-established guidelines to perform the functions of the job. Works under immediate supervision. Primary job functions do not typically require exercising independent judgment. Typically reports to a supervisor or manager.

Requires a high school diploma or its equivalent with 0-3 years of experience in the field or in a related area.

## **(N) DATA ENTRY OPERATOR II**

Operates a data entry device to record or verify a variety of standard and/or complex coded or uncoded business and statistical source data into a computer. Requires a high school diploma or its equivalent with 2-5 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Works under general supervision; typically reports to a supervisor or manager. A certain degree of creativity and latitude is required.

Requires a high school diploma or its equivalent with 2-5 years of experience in the field or in a related area.

## **(N) COMPUTER OPERATOR I**

Works under close personal supervision and is provided detailed written or oral guidance before and during assignments. As instructed, resolves common operating problems. May serve as an assistant operator working under close supervision or performing a portion of a more senior operator's work.

May require an associate's degree or its equivalent and 0-3 years of experience in the field or in a related area.

## **(N) COMPUTER OPERATOR II**

Processes scheduled routines which present few difficult operating problems (e.g., infrequent or easily resolved error conditions). In response to computer output instructions or error conditions, applies standard operating or corrective procedure. Refers problems which do not respond to preplanned procedure. May serve as an assistant operator, working under general supervision.

May require an associate's degree or its equivalent and 2-5 years of experience as a computer operator.

## **(N) COMPUTER OPERATOR III**

Processes a range of scheduled routines, in addition to operating the system and resolving common error conditions, diagnoses and acts on machine stoppage and error conditions not fully covered by existing procedures and guidelines (e.g., resetting switches and other controls or making mechanical adjustments to maintain or restore equipment operations). In response to computer output instructions or error conditions, may deviate from standard procedures if standard procedures do not provide a solution. Refers problems which do not respond to corrective procedures.

May require an associate's degree or its equivalent and at least 5 years of experience as a computer operator.

## **(N) COMPUTER OPERATOR IV**

Adapts to a variety of nonstandard problems which require extensive operator intervention (e.g., frequent introduction of new programs, applications, or procedures). In response to computer output instructions or error conditions, chooses or devises a course of action from among several alternatives and alters or deviates from standard procedures if standard procedures do not provide a solution (e.g., reassigning equipment in order to work around faulty equipment or transfer channels); then refers problems. Typically, completed work is submitted to users without supervisory review.

May require an associate's degree in a related area and at least 5 years of experience in the field.

## **(N) COMPUTER OPERATOR V**

Resolves a variety of difficult operating problems (e.g., making unusual equipment connections and rarely used equipment and channel configurations to direct processing through or around problems in equipment, circuits, or channels or reviewing test run requirements and developing unusual system configurations that will allow test programs to process without interfering with ongoing job requirements). In response to computer output instructions and error conditions or to avoid loss of information or to conserve computer time, operator deviates from standard procedures. Such actions may materially alter the computer unit's production plans. May spend considerable time away from the control station providing technical assistance to lower level operators and assisting programmers, systems analysts, and subject matter specialists in

resolving problems.

May require an associate's degree in a related area and at least 8 years of experience in the field.

## **(N) PERSONAL COMPUTER SUPPORT TECHNICIAN**

Answer user inquiries regarding computer software or hardware operation to resolve problems. Enter commands and observe system functioning to verify correct operations and detect errors. Install and perform minor repairs to hardware, software, or peripheral equipment, following design or installation specifications. Oversee the daily performance of computer systems. Set up equipment for employee use, performing or ensuring proper installation of cables, operating systems, or appropriate software. Maintain records of daily data communication transactions, problems and remedial actions taken, or installation activities. Read technical manuals, confer with users, or conduct computer diagnostics to investigate and resolve problems or to provide technical assistance and support. Confer with staff, users, and management to establish requirements for new systems or modifications. Refer major hardware or software problems or defective products to vendors or technicians for service.

May require an associate's degree or its equivalent and 2-5 years of experience in the field or in a related area.

### **SIN 736-3**

## **(N) BUS AIDE**

Assists the bus driver in maintaining good student conduct on the bus. Assists in loading and unloading passenger and special equipment. Assures that students get on and off the bus in an orderly fashion. Carry out such other duties and responsibilities as may be assigned.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **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.

## **(N) DRIVER COURIER**

Delivery drivers use light vans, cars, utilities, motor bikes, scooters and bicycles to pick up and deliver goods, usually over short distances. A delivery driver may perform the following tasks: drive the vehicle into position for loading or unloading, assist with loading or unloading to make sure goods are correctly stowed, check loading documents, plan the shortest delivery route and

drive the vehicle to the destination, use a two-way radio, and possibly data screens in some vehicles, to keep in contact with the depot or base, arrange unloading and obtain a receipt for goods delivered, handle cash and give correct change to customers, report vehicle maintenance needs, hand-deliver goods.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **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.

### **(N) 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. May 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. May transport freight from elevator to designated area, using hand truck. May sweep or vacuum elevator.

Requires a high school diploma or its equivalent and 0-2 years of experience in the field or in a related area.

### **(N) ELECTRONICS TECHNICIAN, MAINTENANCE I**

Applies technical knowledge to perform simple or routine tasks following detailed instructions. Performs such tasks as replacing components and wiring circuits; repairing simple electronic equipment; and taking test readings using common instruments such as digital multimeters, signal generators, semiconductor testers, curve tracers, and oscilloscopes.

Receives technical guidance, as required, from supervisor or higher level technician. Work is spot-checked for accuracy.

May be required to complete an apprenticeship and/or formal training in area of specialty. May require 0-3 years of experience in the field or in a related area.



## **(N) ELECTRONICS TECHNICIAN, MAINTENANCE II**

Applies comprehensive technical knowledge to solve complex problems by interpreting manufacturers' manuals or similar documents. Work requires familiarity with the interrelationships of circuits and judgment in planning work sequence and in selecting tools and testing instruments.

Receives technical guidance, as required, from supervisor or higher-level technician, and work is reviewed for compliance with accepted practices. May provide technical guidance to lower level technicians.

May be required to complete an apprenticeship and/or formal training in area of specialty. May require 2-5 years of experience in the field or in a related area.

## **(N) ELECTRONICS TECHNICIAN, MAINTENANCE III**

Applies advanced technical knowledge to solve unusually 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 a detailed understanding of the interrelationships of circuits. Exercises independent judgment in performing such tasks as making circuit analyses, calculating wave forms, and tracing relationships in signal flow. Uses 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. May provide technical guidance to lower level technicians.

May be required to complete an apprenticeship and/or formal training in area of specialty. May require at least 5 years of experience in the field or in a related area.

## **(N) FIRE ALARM SYSTEM MECHANIC**

The 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, makes needed repairs, and checks pressure gauges on suppression system storage containers and recharges or replaces containers.

## **23310 FIRE EXTINGUISHER REPAIRER**

The Fire Extinguisher Repairer performs the following duties: 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, this repairer dismantles extinguisher and examines tubings, horns, head gaskets, cutter disks, and other parts for defects, and replaces worn or damaged parts. Using hand tools, this repairer 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, and may install cabinets and brackets to hold extinguishers.

## **(N) GATE ATTENDANT/GATE TENDER**

Ability to make correct change, to operate an adding machine and cash register, and ability to follow directions. Ability to establish and maintain positive working relationships with those contacted in the course of work at all levels, including a culturally diverse public, with a focus on quality service to internal and external customers.

May require a high school diploma or its equivalent and 0-2 years of related experience.

## **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).

## **23380 GROUND SUPPORT EQUIPMENT MECHANIC**

The Ground Support Equipment Mechanic diagnoses malfunctions and repairs Ground Support Equipment (GSE), advises and trains lower grade workers on diagnosis and repair of less complex repair/maintenance problems, inspects and approves completed maintenance actions, solves repair problems by studying drawings, wiring diagrams and schematics, and technical publications; uses automated maintenance data systems to monitor maintenance trends, analyze equipment requirements, maintain equipment records, and document maintenance actions, and analyzes, diagnosis, and repairs GSE using conventional and digital multi-meters, voltmeters, ohmmeters, frequency counters, oscilloscopes, circuit card testers, transistor testers, and hand tools.

This mechanic maintains external fuel and grounding systems, performs scheduled and unscheduled maintenance on GSE, inspects, tests, and operates GSE to determine equipment serviceability and proper operation, services equipment with fuel, oil, water, coolant, hydraulic fluid, refrigerant, and compressed air, diagnoses mechanical and electronic circuitry malfunctions using visual and auditory senses, test equipment, and technical publications. This work also does the following: disassembles and assembles malfunctioning GSE accessories and components, removes, disassembles repairs, cleans, treats for corrosion, assembles, and reinstalls GSE components and accessories, stencils and marks GSE in accordance with technical publications, stores, handles, labels, uses, and disposes of hazardous materials and waste in accordance with all state, local, and federal environmental standards and regulations. This mechanic prepares GSE for storage and mobility deployment; and operates, cleans, inspects, and services GSE towing vehicles. In addition to maintaining vehicle records, this mechanic maintains and updates paper and electronic equipment records, provides dispatch service for GSE, including positioning equipment to support aircraft maintenance and flying operations, practices good housekeeping, tool control, Foreign Object Damage prevention, and safety at all times.

## **23381 GROUND SUPPORT EQUIPMENT SERVICER**

The Ground Support Equipment Servicer inspects, tests, and operates GSE to determine equipment serviceability and proper operation, services equipment with fuel, oil, water, coolant, hydraulic fluid, refrigerant, and compressed air, prepares Ground Support Equipment (GSE) for storage and transportation, uses automated maintenance data systems to maintain equipment records, and document maintenance actions and maintains external fuel and grounding systems. In addition, this servicer stencils and marks GSE in accordance with technical publications, stores, handles, labels, uses, and disposes of hazardous materials and waste in accordance with all state, local, and federal environmental standards and regulations, operates, cleans, inspects, and services GSE towing vehicles. This worker maintains vehicle records, maintains and updates paper and electronic equipment records, provides dispatch service for GSE, including positioning equipment to support aircraft maintenance and flying operations, and practices good housekeeping, tool control, Foreign Object Damage prevention and safety at all times.

## **23382 GROUND SUPPORT EQUIPMENT WORKER**

The Ground Support Equipment Worker makes repairs to Ground Support Equipment (GSE) following orders of a higher-grade worker, troubleshooting malfunctions of GSE using conventional and digital multi-meters, voltmeters, ohmmeters, frequency counters, oscilloscopes, circuit card testers, transistor testers, and hand tools, prepares GSE for storage and transportation, uses automated maintenance data systems to maintain equipment records, and document maintenance actions, maintains external fuel and grounding systems. This worker performs scheduled and unscheduled maintenance on GSE, inspects, tests, and operates GSE to determine equipment serviceability and proper operation, services equipment with fuel, oil, water, coolant, hydraulic fluid, refrigerant, and compressed air, disassembles and assembles malfunctioning GSE accessories and components.

In addition, the Ground Support Equipment Worker removes, disassembles repairs, cleans, treats for corrosion, assembles, and reinstalls GSE components and accessories, stencils and marks GSE in accordance with technical publications, stores, handles, labels, uses, and disposes of hazardous materials and waste in accordance with all state, local, and federal environmental

standards and regulations, operates, cleans, inspects, and services GSE towing vehicles; maintains vehicle records, maintains and updates paper and electronic equipment records, provides dispatch service for GSE, including positioning equipment to support aircraft maintenance and flying operations, and practices good housekeeping, tool control, Foreign Object Damage prevention and safety at all times.

## **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.

## **23440 HEAVY EQUIPMENT OPERATOR**

The Heavy Equipment Operator operates heavy equipment such as cranes, clamshells, power shovels, motor graders, heavy loaders, carryalls, bulldozers, rollers, scrapers, and large industrial tractors with pan or scrapper attachments. Equipment is used to excavate, load, or move dirt, gravel, or other materials. Operator may read and interpret grade and slope stakes and simple plans, and may grease, adjust and make emergency repairs to equipment.

## **(N) HOUSEKEEPING AIDE**

Cleans and supplies patient rooms, wards, nursing stations, lounges, lavatories, bathrooms, offices, and any other areas, as assigned, in accordance with standard procedures of the Housekeeping Department and with hospital objectives. Uses cleaning devices such as light mops, small wringers, dusters, household-type vacuum cleaners, and other necessary tools, chemicals, and supplies. Performs specific cleaning tasks, including dusting horizontal surfaces; emptying waste baskets and removing trash; damp-wiping furniture; cleaning and polishing metal and porcelain bathroom fixtures; dry-mopping and sanitizing floors of rooms and offices; spot-cleaning walls and windows; replenishing room supplies; making beds; and sorting and distributing linen. Assists in cleaning emergency spills observed or on request. Maintains assigned equipment for cleanliness and has repairs made when needed. Reports needed repairs to equipment, furniture, building, and fixtures. In case of fire or other internal emergency assists in escorting ambulatory patients to exits. In case of a community disaster assists nurses in making extra beds, and performs other duties as assigned.

May require a high school diploma or its equivalent. No experience necessary.

## **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.

### **(N) 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:

1. Workers who specialize in window washing.
2. Housekeeping staff who make beds and change linens as a primary responsibility.
3. Workers required to disassemble and assemble equipment in order to clean machinery.
4. Workers who receive additional compensation to maintain sterile facilities or equipment.

May require a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area.

## **23465 LABORATORY/SHELTER MECHANIC**

The Laboratory/Shelter Mechanic performs and, on occasion, will work alone performing removal, repair and installation to a variety of items pertaining to rebuilding and the repair of air transport galley laboratories, communications shelters, trailers and vans; this worker removes, repairs or replaces broken screws, bolts riv-nuts, pop rivets, brackets, skids, floors, and lugs, etc. This person fills holes, dents and grooves on the various shelters with filler materials such as Scotch Weld, silastic, and plastic filler, fits positions and attaches patches, removes old and worn gaskets and replaces insuring that gasket is fitted properly to assure water tightness. On occasion, this mechanic removes, makes minor repairs, installs minor appliances, installs the various marking and identifications plates, works with higher-grade employees in providing estimates as to man-hours required to accomplish repairs. On familiar projects, this mechanic works with technical manuals and repair specifications and procedures, properly laying out and installing equipment racks, brackets, tool boards, holding devices, benches, mounts tables, etc.

This mechanic removes, repairs and/or replaces filters, blowers and heaters, visually locates defective operating hardware making repairs as required to items such as doors, handles, locks, hinges, fastening devices, etc., and checks all exterior seams for tightness and fit, making repairs as necessary. The Laboratory/Shelter Mechanic works with higher graded employees in performing structural repair, assists higher graded employee in the water test area performing high and low pressure tests and fording tests, performs pull test on shelter lifting eyes according to specifications, and inspects the shelter during these tests watching for any deficiencies. When deficiencies are noted, he/she makes on the spot repair or returns shelter to the line for necessary repair.

## **23470 LABORER**

The 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: The Laborer loads and unloads trucks, and other conveyances, moves supplies and materials to proper location by wheelbarrow or hand truck; stacks materials for storage or binning, collects refuse and salvageable materials, and digs, fills, and tamps earth excavations, The Laborer 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 appliance, moves heavy pieces of automotive, medical engineering, and other types of machinery and equipment, spreads sand and salt on icy roads and walkways, and picks up leaves and trash.

## **11210 LABORER, GROUNDS MAINTENANCE**

The 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: cut grass, using walking-type or riding mowers (less than 2000 lbs.), trim hedges and edges around walks, flowerbeds, 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. Job duties also include the following: planting grass, flowers, trees, and shrubs, watering lawn and shrubs during dry periods, using hose or activating sprinkler system, picks up and burns or carts away leaves, paper or other litter; removing snow from walks, driveways, roads, or parking lots, using shovel and snow blower, spreads salt on walkways and other areas, repairing and painting fences, gates, benches, tables, guardrails, and outbuildings. This Worker assists in repair of roads, walks, buildings, and mechanical equipment, and may clean comfort stations, offices workshop areas, and parking lots by sweeping, washing, mopping and polishing.

## **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.

## **(N) MAID OR HOUSEMAN**

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. Sorts, counts, folds, marks, or carries 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.

May require a high school diploma or its equivalent. No experience necessary.



## **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.

### **(N) 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. 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. Arranges with department supervisors for repair and assembly of material and its transportation to various departments. Examines material delivered to production departments to verify if type specified. May monitor and control movement of material and parts along conveyor system, using remote-control panelboard. May compute amount of material needed for specific job orders, applying knowledge of product and manufacturing processes and using adding machine. May compile report of quantity and type of material on hand. May move or transport material from one department to another, using hand truck or industrial truck. May compile perpetual production records in order to locate material in process of production, using manual or computerized system. May maintain employee records.

Requires a bachelor's degree with 5 years of experience in the field.

### **(N) MATERIAL EXPEDITER**

Locates and moves materials and parts between work areas of plant to expedite processing of goods, according to predetermined schedules and priorities, and keeps related records: 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. Records quantity and type of materials distributed and on hand. May direct power-truck operator or Material Handling Laborer to expedite movement of materials between storage and production areas. May compare work ticket specifications with material at work stations to verify appropriateness of material in use. May prepare worker production records and timecards. May update and maintain inventory records, using computer terminal.

Requires a bachelor's degree with 5 years of experience in the field.

## **(N) MATERIAL HANDLING LABORER**

Performs 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:

1. 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);
2. Stocking merchandise for sale;
3. Counting or routing merchandise;
4. Operating a crane or heavy-duty motorized vehicle such as forklift or truck;
5. Loading and unloading ships (longshore workers);
6. Traveling on trucks beyond the establishment's physical location to load or unload merchandise.

May require a high school diploma with 0-3 years of experience in the field or in a related area.

## **(N) MOTOR VEHICLE MECHANIC**

The Motor Vehicle Mechanic repairs, rebuilds, or overhauls major assemblies of internal combustion automobiles, buses, trucks or tractors. Work involves most of the following: Diagnosing the source of trouble and determining the extent of repairs required; replacing worn or broken parts such as piston rings, bearings, or other engine parts; grinding and adjusting valves; rebuilding carburetors; overhauling transmissions; and repairing fuel injection, lighting, and ignition systems. In general, the work of the Motor Vehicle Mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent.

## **(N) OFFICE APPLIANCE REPAIRER**

The Office Appliance Repairer repairs and services office machines, such as adding, accounting, calculating machines and typewriters, using hand tools, power tools, micrometers and welding equipment. This worker operates machine to test moving parts and to listen to sounds of machines to locate causes of trouble, disassembles machine and examines parts, such as gears, guides, rollers, and pinions for wear and defects, using micrometers, repairs, adjusts, or replaces parts, and cleans and oils moving parts. This person may give instructions in operation and care of machines to machine operators, or assemble new machines.

## **(N) 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. 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.

Requires a high school diploma or its equivalent with 2-4 years of experience in the field or in a related area.

## **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.

## **(N) PARK ATTENDANT (AIDE)**

Assists in operation of State or national park, monument, historic site, or recreational area, performing a combination of clerical and other duties. Greets visitors at facility entrance, and hands out informational pamphlets, maps, explains regulations, and other information concerning camping and visiting the facility. 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. Replenishes fire wood, and assists in maintaining camping and recreational areas in clean and orderly condition. Conducts tours of premises, and answers visitors' questions when stationed at historic park, site or monument. 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. Participates in carrying out fire-fighting or conservation activities. 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. Reports maintenance items to superior.

Requires a high school diploma or its equivalent with 2-4 years of experience in the field or in a related area.

## **(N) PARKING AND LOT ATTENDANT**

Operates daily activity in a parking lot. Checks vehicles in and out of lot. May be required to move and/or park vehicles. Controls authorized entry and use of lot. Refers parking related problems arising within the facility to appropriate authorities for administrative action, ticketing or other law enforcement activity deemed warranted.

May require a high school diploma or its equivalent and 0-2 years of related 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.

## **(N) PRODUCTION LINE WORKER (FOOD PROCESSING)**

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.; 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; places containers into appropriate shipping container (must have knowledge of various types and sizes of shipping containers and special requirements of customers.)

Requires a high school diploma with 2-4 years of experience in the field or in a related area.

## **(N) RECREATION AIDE/HEALTH FACILITY ATTENDANT**

Assists Recreation Specialist in conducting recreation activities in community center or other voluntary recreation facility: Arranges chairs, tables, and sporting or exercise equipment in designated rooms or other areas for scheduled group activities, such as banquets, wedding receptions, parties, group meetings, or sports events. Welcomes visitors and answers incoming telephone calls. Notifies patrons of activity schedules and registration requirements. Monitors spectators and participants at sports events to ensure orderly conduct. Receives, stores, and issues sports equipment and supplies. May keep attendance records or scores at sporting events, operate audiovisual equipment, monitor activities of children during recreational trips or tours, or perform other duties as directed by Recreation Specialist.

Requires a high school diploma or its equivalent with 0-2 years of experience in the field or in a related area

## **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.

## **25040 SEWAGE PLANT OPERATOR (Wastewater Treatment Plant Operator)**

Operates sewage treatment, sludge processing, and disposal equipment in wastewater (sewage) treatment plant to control flow and processing of sewage, monitors control panels and adjusts valves and gates manually or by remote control to regulate flow of sewage, observes variations in operating conditions and interprets meter and gauge readings, and tests results to determine load requirements. This worker starts and stops pumps, engines, and generators to control flow of raw sewage through filtering, settling, aeration, and sludge digestion processes, maintains log of operations and records meter and gas readings, gives directions to wastewater treatment-plant attendants and sewage-disposal workers in performing routine operations and maintenance, and may collect sewage sample, using dipper or bottle and conduct laboratory tests, using testing equipment, such as colorimeter. This person may operate and maintain power-generating equipment to provide steam and electricity for plant.

## **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.

## **(N) SHIPPING PACKER**

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.

May require a high school diploma or its equivalent and 0-2 years of experience in the field or in a related area.

## **(N) 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, follows established guidelines. In handling unusual non-routine problems, receives specific guidance from supervisor or other officials. 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; preparing and keeping records of goods received.

Requires a high school diploma or equivalent with 0 - 2 years experience.

## **25070 STATIONARY ENGINEER**

The Stationary Engineer operates and maintains one or more systems that provide an establishment with such services as heat, air-conditioning (cool, humidify, dehumidify, filter, and circulate air), refrigeration, steam or high-temperature water or electricity. Duties involve: observing and interpreting readings on gauges, meters and charts which register various aspects of the system's operation, adjusting controls to insure safe and efficient operation of the system and to meet demands for the service provided, recording in logs various aspects of the system's operation, keeping the engines, machinery and equipment of the system in good working order. This engineer may direct and coordinate activities of other workers (not stationary engineers) in performing tasks directly related to operating and maintaining the system or systems. The classification excludes head or chief engineers in establishments employing more than one engineer. Workers are required to be skilled in the repair of electronic control equipment; workers in establishments producing electricity, steam, or heated or cooled air primarily for sale, and Boiler Tenders.

## **(N) STORE WORKER I**

Performs the following tasks at an establishment whose primary function is that of the resale of merchandise in a retail environment. Will move merchandise by use of non-motorized equipment

that is intended for display and resale purposes. Will 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. 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. May be required to offer customer or patron assistance with the location or selection of merchandise.

May require a high school diploma or its equivalent. No experience necessary.

## **(N) STOCK CLERK (Shelf Stocker; Store Worker II)**

Receives, stores, and issues equipment, materials, supplies, merchandise, foodstuffs, or tools, and compiles stock records of items in stockroom, warehouse or storage yard. Counts, 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. Requisitions articles to fill incoming orders. 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. May cut stock to size to fill order.

Requires a high school diploma with 0-2 years experience.

## **(N) TOOLS AND PARTS ATTENDANT (Tool Crib Attendant)**

Receives, stores, and issues hand tools, machine tools, dies, replacement parts, shop supplies and equipment, such as measuring devices, in industrial establishment. 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 brush or spray gun. May attach identification tags or engrave identifying information on tools and equipment, using electric marking tool.

May require a high school diploma or its equivalent with 2-4 years of experience in the field or in a related area.

## **31360 TRUCKDRIVER (Occupational Base)**

The Truckdriver drives a truck to transport materials, merchandise, equipment, or workers between various types of establishments such as: manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and



customers' houses or places of business. This driver may also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order.

Sales route and over-the-road drivers are excluded.

An over-the-road driver regularly drives a truck over such a distance that the worker does not return to the departure point in the same workday, or is a worker who is paid on a mileage or mileage plus load factor basis, and may be compensated for or provided meals or lodging or both. For wage study purposes, Truck Drivers are classified by type and the rated capacity of truck. Rated capacity is the gross vehicle weight minus the empty weight of the vehicle:

### **31361 TRUCKDRIVER, LIGHT TRUCK**

Straight truck, less than 1 1/2 tons, usually 4 wheels.

### **31362 TRUCKDRIVER, MEDIUM TRUCK**

Straight truck, 1 1/2 to 4 tons inclusive, usually 6 wheels.

### **31363 TRUCKDRIVER, HEAVY TRUCK**

Straight truck, over 4 tons, usually 10 wheels.

### **25190 VENTILATION EQUIPMENT TENDER**

Tends ventilating and heating equipment, such as fans, vacuum pumps, air compressors, vents and ducts, and lubrication-oil coolers used in buildings or industrial processes; adjusts valves to regulate temperature of lubrication oil and flow of water through system, moves controls to regulate speed of fans, adjust vents and ducts, records gauge readings, and repairs completed, and time lost because of inoperative equipment. This worker writes repair work order tickets and out-of-order tags preparatory to equipment repair, inspects equipment to detect excessive noise and heat, replaces gauges and tightens and chocks leaky fittings, using wrenches, hammers, and chalking tool, cleans carbon deposits, pitch, and grease from fans, vents and ducts, using scrapers, hammer, and compressed air or steam.

### **(N) WAREHOUSE SPECIALIST (Warehouse Worker)**

As directed, performs a variety of warehousing duties which 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. May operate hand or power trucks in performing warehousing duties. Exclude workers whose primary duties involve shipping and receiving work (see Shipping/Receiving Clerk), order filling (see Order Filler), or operating forklifts.

Requires a high school diploma or its equivalent with 2-4 years of experience in the field or in a related area.

## **25210 WATER TREATMENT PLANT OPERATOR**

This position controls treatment plant machines and equipment to purify and clarify water for human consumption and for industrial use. This person operates and controls electric motors, pumps, and valves to regulate flow of raw water into treating plant and dumps specified amounts of chemicals such as chlorine, ammonia, and lime into water, or adjusts automatic devices that admit specified amounts of chemicals into tanks to disinfect, deodorize, and clarify water. This person starts agitators to mix chemicals and allows impurities to settle to bottom of tank, turns valves to regulate water through filter beds to remove impurities, pumps purified water into water mains, monitors panel board and adjusts controls to regulate flow rates, loss of head pressure and water elevation and distribution of water. This operator cleans tanks and filter beds, using backwashing (reverse flow of water), repairs and lubricates machines and equipment, using hand- and power tools, tests water samples to determine acidity, color, and impurities, using colorimeter, turbidimeter, and conductivity meter. Work includes dumping chemicals such as alum into tanks to coagulate impurities and reduce acidity, recording data, such as residual content of chemicals, water turbidity, and water pressure. This operator may operate portable water-purification plant to supply drinking water, and purify wastewater from plant preparatory to pumping water into rivers and streams or city mains.

## **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.

**SIN 736-4**

## **(N) 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 bill, collects payment, and makes change for guests. Makes and confirms room reservations. May post charges such as room, food, liquor, or telephone to cash books by hand or machine. May make restaurant, transportation, or

entertainment reservations, and arrange for tours. May deposit guests' valuables in safe or safe-deposit box. May sell tobacco, candy, and newspapers.

May require a high school diploma or its equivalent and 2-4 years of related experience.

## **(N) EXHIBITS SPECIALIST I**

At this level Exhibits Specialists bring to the job manual dexterity, mechanical skill, and/or artistic skill, plus aptitude for learning exhibits techniques. Performs duties related to the fabrication, finishing and repair of exhibits, while acquiring training in museum or exhibits techniques.

May require an associate's degree and 0-2 years of experience in the field or in a related area.

## **(N) EXHIBITS SPECIALIST II**

At this level Exhibits Specialists perform independently the phases of work in which they are proficient, and receive training in the more complex processes. Duties relate to the fabrication, finishing and maintenance of exhibits which require a high degree of manual dexterity and moderate but varied artistic skills. Generally they work from accurate scale drawings, blueprints or sketches with instructions as to the materials to be used and the colors to be matched. On the phases of the work with which they are thoroughly familiar, and within the framework of accepted and proven methods and techniques, there is considerable latitude of choice in execution. On work which involves several processes or stages of development, the supervisor checks their work at the completion of each phase.

Requires an associate's degree and 2-4 years of experience in the field or in a related area.

## **27101 GUARD I**

This guard carries out detailed instructions and procedures primarily oriented to insure that emergencies and security violations are readily discovered, and reported to appropriate authority. The primary duty is to observe and report security and emergency situations. This guard intervenes directly only in situations which require minimal action to safeguard property or persons. Duties require minimal training and physical fitness standards.

## **(N) LIBRARY AIDE**

Initially under close supervision, incumbents perform a variety of routine manual and related clerical support tasks. As experience and proficiency are gained, assignments become more varied and may require the use of judgment and independence within clearly established guidelines. Library Aides may be assigned primarily to one task or may alternate between tasks as the need arises. This class is distinguished from Library Assistant in that the latter independently performs more responsible clerical library support tasks.

Performs a variety of routine manual library support tasks including, sorting, shelving, stacking, retrieving a wide variety of library materials; also processing returned materials, and maintaining such materials according to alphabetical, numerical and categorical systems; Conducts shelf reading for accuracy and shifting and transporting books and other library materials to assigned

areas of the library as directed; Runs errands as needed, assisting in keeping all areas of the library in a clean, neat, and orderly condition and assisting in a variety of special projects and services as assigned; Performs basic clerical tasks in support of technical support services, including performing simple mending, labeling, jacketing in preparation for circulation and minor repair of a routine and repetitive bending, reaching and pushing, moving and carrying library materials; As needed, backs up library clerical staff, performs basic clerical duties variety of library materials; Performing a wide range of physical motions, which may include and provides basic assistance to patrons that may include utilizing computer workstations, and cash registers; and performs related work as assigned.

May require a bachelor's degree and 0-2 years of experience in the field or in a related area.

## **(N) LIBRARY TECHNICIAN**

Provides information service, such as answering questions regarding card catalogs, and assists in the use of bibliographic tools, such as Library of Congress catalog. Performs routine cataloging of library materials. Files cards in catalog drawers according to system used. Answers routine inquiries, and refers persons requiring professional assistance to Librarian. Verifies bibliographic information on order requests. Works or directs workers in maintenance of stacks or in section of department or division, such as ordering or receiving section of acquisitions department, card preparation activities in catalog department, or limited loan or reserve desk operation of circulation department.

May require a bachelor's degree in area of specialty and 0-2 years of experience in the field or in a related area.

## **(N) PHOTOGRAPHER I**

Takes routine pictures in situations where several shots can be taken. Uses standard still cameras for pictures lacking complications, such as speed, motion, color contrast, or lighting. Photographs are taken for identification, employee publications, information, or publicity purposes. Workers must be able to focus, center, and provide simple flash-type lighting for an uncomplicated photograph.

Typical subjects are employees who are photographed for identification, award ceremonies, interviews, banquets or meetings; or external views of machinery, supplies, equipment, building, damaged shipments, or other subjects photographed to record conditions. Assignments usually are performed without direct guidance due to the clear and simple nature of the desired photograph.

May require an associate's degree with 2-4 years of experience in the field or in a related area.

## **(N) VIDEO TELECONFERENCE TECHNICIAN**

Sets up and operates audiovisual equipment. Maintains files of specifications and catalogs. Maintains stock levels of supplies. Takes, develops, and prints photographs. Duplicates audio and video cassettes from master tape for distribution. Performs maintenance on audiovisual equipment. Coordinates teleconference programs including scheduling, setting up equipment,

and copying handouts. Assists in production planning, which includes locating photographic sites, scheduling studio facilities, and planning travel for the production crew. Assists with technical aspects of audiovisual production. Assists with audiovisual equipment for training and public information presentations. Performs related work as assigned.

May be required to be certified in an area of specialty. Requires 2-4 years of experience in the field or in a related area.

## **SIN 736-5**

### **(N) BREATH ALCOHOL TECHNICIAN**

The Breath Alcohol Technician (BAT) and/or Screening Test Technician (STT) is a person who instructs and assists employees in the alcohol testing process and operates an evidential breath testing or alcohol screening device, respectively.

May be required to be certified in an area of specialty. Requires 0-2 years of experience in the field or in a related area.

### **(N) CIVIL ENGINEERING TECHNICIAN**

This technician assists the Civil Engineer in application of principles, methods, and techniques of civil engineering technology, reviews project specifications and confers with the Civil Engineer concerning assistance required, such as plan preparation, acceptance testing, and evaluation of field conditions, design changes, and reports. This worker conducts materials testing and analysis, using tools and equipment and applying engineering knowledge necessary to conduct tests, prepares reports detailing tests conducted and their results. The Civil Engineering Technician surveys project sites to obtain and analyze topographical details of sites, using maps and surveying equipment, drafts detailed dimensional drawings such as those needed for highway plans, structural steel fabrication, and water control projects. This work involves performing duties as described under Drafter, and calculating dimensions, profile specifications, and quantities of materials such as steel, concrete, and asphalt, using calculator.

### **(N) DRAFTER/CAD OPERATOR I**

This operator prepares drawings or computer models of simple, easily visualized structures, systems, parts or equipment from sketches or marked-up prints, selects appropriate templates/computer programs or uses a compass and other equipment needed to complete assignments. Drawings and models fit familiar patterns and present few technical problems. Supervisor provides detailed instructions on new assignments, gives guidance when questions arise, and reviews completed work for accuracy. Typical assignments include:

- a. Revisions to the original drawings of a plumbing system by increasing pipe diameters.
- b. Drawing from sketches, the building floor plans, determining size, spacing and arrangement of freehand lettering according to scale.
- c. Drawing simple land profiles from predetermined structural dimensions and reduced survey

notes.

- d. Tracing river basin maps and enters symbols to denote stream sampling locations, municipal and industrial waste discharges, and water supplies.
- e. Preparing a computer model of a room, building, structure from data, prints, photos.

## **(N) DRAFTER/CAD OPERATOR II**

This operator prepares various drawings computer models of such units as construction projects or parts and assemblies, including various views, sectional profiles, irregular or reverse curves, hidden lines, and small or intricate details. Work requires use of most of the conventional drafting and CAD techniques and a working knowledge of the terms and procedures of the occupation. The Draft/CAD Operator II makes arithmetic computations using standard formulas. Familiar or recurring work is assigned in general terms. Unfamiliar assignments include information on methods, procedures, sources of information, and precedents to follow. Simple revisions to existing drawings or computer models may be assigned with a verbal explanation of the desired results. More complex revisions are produced from sketches, computer models or specifications that clearly depict the desired product.

Typical assignments include:

- a. Preparing several views of a simple gear system from a layout and manual references and obtaining dimensions and tolerances from manuals and by measuring the layout.
- b. Preparing and revising detail and design drawings for such projects as the construction and installation of electrical or electronic equipment, plant wiring, and the manufacture and assembly of printed circuit boards. Drawings typically include details of mountings, frames, guards, or other accessories; conduit layouts; or wiring diagrams indicating transformer sizes, conduit locations and mountings.
- c. Drawing base and elevation views, sections, and details of new bridges or other structures, revising complete sets of roadway drawings for highway construction projects, or preparing block maps, indicating water and sewage line locations.

## **(N) DRAFTER/CAD OPERATOR III**

This operator prepares complete sets of complex drawings or computer models that include multiple views, detail drawings, and assembly drawings. Drawings or models include complex design features that require considerable drafting skill to visualize and portray. Assignments regularly require the use of mathematical formulas to draw land contours or to compute weights, center of gravity, load capacities, dimensions, quantities of material, etc. The Draft/CAD Operator works from sketches, computer models, and verbal information supplied by an engineer, architect, or designer to determine the most appropriate views, detail drawings, and supplementary information needed to complete assignments. This operator selects required information from computer programs, and internet sites, precedents, manufacturers' catalogs, and technical guides. This operator independently resolves most of the problems encountered. Supervisor or design originator may suggest methods of approach or provide advice on unusually difficult problems.

Typical assignments include:

- a. Prepares complete sets of drawings of test equipment to be manufactured from layouts, models, or sketches. Several cross-sectional and subassembly drawings are required. From information supplied by the design originator and from technical handbooks and manuals, this operator describes dimensions, tolerances, fits, fabrication techniques, and standard parts to use in manufacturing the equipment.
- b. From electronic schematics, information as to maximum size, and manuals giving dimensions of standard parts, determines the arrangement and prepares drawing of printed circuit boards.
- c. From precedents, drafting standards, and established practices, prepares final construction drawings for floodgates, navigation locks, dams, bridges, culverts, levees, channel excavations, dikes and berms, prepares boring profiles, typical cross-sections, and land profiles; and delineates related topographical details as required.
- d. Prepares final drawings for street paving and widening or for water and sewer lines having complex trunk lines; reduces field notes and calculates true grades. From engineering designs, lays out plan, profile and detail appurtenances required; and notifies supervisor of conflicting details in design.

Excludes drafter performing work of similar difficulty to that described at this level but who provides support for a variety of organizations that have widely differing functions or requirements.

## **(N) DRAFTER/CAD OPERATOR IV**

This operator works closely with design originators, preparing drawings or computer models of unusual, complex, or original designs that require a high degree of precision, performs unusually difficult assignments requiring considerable initiative, resourcefulness, and drafting expertise. This incumbent assures that anticipated problems in manufacture, assembly, installation, and operation are resolved by the drawing produced, exercises independent judgment in selecting and interpreting data based on knowledge of the design intent. Although working primarily as a drafter, this worker may occasionally interpret general designs prepared by others to complete minor details, may provide advice and guidance to lower level drafters or serve as coordinator and planner for large and complex drafting projects.

## **(N) ENGINEERING TECHNICIAN I**

This technician performs simple routine tasks under close supervision or from detailed procedures. Work is checked in progress or on completion. This person performs one or a combination of such typical duties as:

- a. Assembling or installing equipment or parts requiring simple wiring, soldering, or connecting.
- b. Performing simple or routine tasks or tests such as tensile or hardness tests; operating and adjusting simple test equipment; records test data.

- c. Gathering and maintaining specified records of engineering data such as tests, drawings, etc.; performing computations by substituting numbers in specified formulas; plotting data and draws simple curves and graphs.

## **(N) ENGINEERING TECHNICIAN II**

The Engineering Technician II performs standardized or prescribed assignments involving a sequence of related operations, follows standard work methods on recurring assignments but receives explicit instructions on unfamiliar assignments. Technical adequacy of routine work is reviewed on completion; non-routine work may be reviewed in progress. This technician performs at this level, one or a combination of such typical duties as:

- a. Following specific instructions, assembles or constructs simple or standard equipment or parts, servicing or repairing simple instruments or equipment;
- b. Conducting a variety of tests using established methods, preparing test specimens, adjusting and operating equipment, recording test data, and pointing out deviations resulting from equipment malfunction or observational errors;
- c. Extracting engineering data from various prescribed but non-standardized sources, processing the data following well-defined methods including elementary algebra and geometry, and presenting the data in prescribed form.

## **(N) ENGINEERING TECHNICIAN III**

The Engineering Technician III performs assignments that are not completely standardized or prescribed, selects or adapts standard procedures or equipment, using fully applicable precedents, receives initial instructions, equipment requirements, and advice from supervisor or engineer as needed, performs recurring work independently. Work is reviewed for technical adequacy or conformity with instructions. This technician performs at this level one or a combination of such typical duties as:

- a. Constructing components, subunits, or simple models or adapts standard equipment; may troubleshoot and correct malfunctions;
- b. Following specific layout and scientific diagrams to construct and package simple devices and subunits of equipment.
- c. Conducting various tests or experiments which may require minor modifications in test setups or procedures as well as subjective judgments in measurement, selecting, preparing, and operating standard test equipment and records test data;
- d. Extracting and compiling a variety of engineering data from field notes, manuals, lab reports, etc., processing data, identifying errors or inconsistencies, selecting methods of data presentation.
- e. Assisting in design modification by compiling data related to design, specifications, and



materials that are pertinent to specific items of equipment or component parts; developing information concerning previous operational failures and modifications, and using judgment and initiative to recognize inconsistencies or gaps in data and seek sources to clarify information.

## **(N) ENGINEERING TECHNICIAN IV**

The Engineering Technician IV performs non-routine assignments of substantial variety and complexity, using operational precedents that are not fully applicable, such assignments that are typically parts of broader assignments, are screened to eliminate unusual design problems. This incumbent may plan such assignments. This technician receives technical advice from supervisor or engineer. Work is reviewed for technical adequacy (or conformity with instructions). This position may be assisted by lower level technicians and have frequent contact with professionals and others within the establishment, and performs one or a combination of such typical duties as:

- a. Developing or reviewing designs by extracting and analyzing a variety of engineering data, applying conventional engineering practices to develop, prepare, or recommend schematics, designs, specifications, electrical drawings and parts lists. (Examples of designs include: detailed circuit diagrams; hardware fittings or test equipment involving a variety of mechanisms; conventional piping systems; and building site layouts).
- b. Conducting tests or experiments requiring selection and adaptation or modification of a wide variety of critical test equipment and test procedures, preparing and operating equipment, recording data, measuring and recording problems of significant complexity that sometimes require resolution at a higher level, and analyzes data and prepares test reports.
- c. Applying methods outlined by others to limited segments of research and development projects, constructing experimental or prototype models to meet engineering requirements; conducts tests or experiments and redesigns as necessary and recording and evaluating data and reports findings.

## **(N) ENGINEERING TECHNICIAN V**

This technician performs non-routine and complex assignments involving responsibility for planning and conducting a complete project of relatively limited scope or a portion of a larger and more diverse project, selects and adapts plans, techniques, designs, or layouts, contacts personnel in related activities to resolve problems and coordinate the work, reviews, analyzes, and integrates the technical work of others. Supervisor or professional engineer outlines objectives, requirements, and design approaches. Completed work is reviewed for technical adequacy and satisfaction of requirements. This incumbent may train and be assisted by lower level technicians, and performs one or a combination of the following:

- a. Designs, develops, and constructs major units, devices, or equipment; conducts tests or experiments; analyzes results and redesigns or modifies equipment to improve performance; and reports results.
- b. From general guidelines and specifications (e.g., size or weight requirements), develops

designs for equipment without critical performance requirements that are difficult to satisfy such as engine parts, research instruments, or special purpose circuitry. Analyzes technical data to determine applicability to design problems; selects from several possible design layouts; calculates design data; and prepares layouts, detailed specifications, parts lists, estimates, procedures, etc. May check and analyze drawings or equipment to determine adequacy of drawings and design.

- c. Plans or assists in planning tests to evaluate equipment performance. Determines test requirements, equipment modification, and test procedures; conducts tests using all types of instruments; analyzes and evaluates test results, and prepares reports on findings and recommendations.

## **(N) ENGINEERING TECHNICIAN VI**

This technician independently plans and accomplishes complete projects or studies of broad scope and complexity, or serves as an expert in a narrow aspect of a particular field of engineering, e.g., environmental factors affecting electronic engineering. Complexity of assignments typically requires considerable creativity and judgment to devise approaches to accomplish work, resolve design and operational problems, and make decisions in situations where standard engineering methods, procedures, and techniques may not be applicable. Supervisor or professional engineer provides advice on unusual or controversial problems or policy matters. Completed work is reviewed for compliance with overall project objectives. This worker may supervise or train and be assisted by lower level technicians, and performs, one or a combination of the following:

- a. Prepares designs and specifications for various complex equipment or systems (e.g., a heating system in an office building, or new electronic components such as solid state devices for instrumentation equipment).
- b. Plans approach to solve design problems; conceives and recommends new design techniques; resolves design problems with contract personnel, and assures compatibility of design with other parts of the system.
- c. Designs and coordinates test set-ups and experiments to prove or disprove the feasibility of preliminary design; uses untried and untested measurement techniques; and improves the performance of the equipment. May advise equipment users on redesign to solve unique operational deficiencies.
- d. Plans approach and conducts various experiments to develop equipment or systems characterized by (a) difficult performance requirements because of conflicting attributes such as versatility, size, and ease of operation; or (b) unusual combination of techniques or components. Arranges for fabrication of pilot models and determines test procedures and design of special test equipment.

## **(N) ENVIRONMENTAL TECHNICIAN**

The Environmental Technician conducts tests and field investigations to obtain data for use by environmental, engineering and scientific personnel in determining sources and methods of

controlling pollutants in air, water, and soil, utilizing knowledge of agriculture, chemistry, meteorology, and engineering principles and applied technologies. This worker conducts chemical and physical laboratory and field tests according to prescribed standards to determine characteristics or composition of solid, liquid, or gaseous materials and substances, using pH meter, chemicals, autoclaves, centrifuge spectrophotometer, microscope, analytical instrumentation, and chemical laboratory equipment.

This worker collects samples of gases from smokestacks, and collects other air samples and meteorological data to assist in evaluation of atmospheric pollutants; collects water samples from streams and lakes, or raw, semi-processed or processed water, industrial waste water, or water from other sources to assess pollution problem, and collects soil, silt, or mud to determine chemical composition and nature of pollutants. This worker prepares sample for testing, records data, and prepares summaries and charts for review, sets monitoring equipment to provide flow of information, installs, operates, and performs routine maintenance on gas and fluid flow systems, chemical reaction systems, mechanical equipment, and other test instrumentation.

This worker may operate fixed or mobile monitoring or data collection station, may conduct bacteriological or other tests related to research in environmental or pollution control activity, may collect and analyze engine exhaust emissions to determine type and amount of pollutants, and may specialize in one phase or type of environmental pollution or protection and be identified according to specialty.

## **(N) MEDICAL RECORD CLERK**

Compiles, verifies, and files medical records of hospital or clinic patients and compiles statistics for use in reports and surveys. Prepares folders and maintains records of newly admitted patients. Reviews contents of patients' medical record folders, assembles into standard order, and files according to established procedure. Reviews inpatient and emergency room records to insure presence of required reports and physicians' signatures, and routes incomplete records to appropriate personnel for completion or prepares reports of incomplete records to notify administration. Checks list of discharged patients to insure receipt of all current records. Compiles daily and periodic statistical data, such as admissions, discharges, deaths, births, and types of treatment rendered. Records diagnoses and treatments, including operations performed, for use in completing hospital insurance billing forms. May maintain death log. May type and process birth certificates. May assist other workers with coding of records. May make copies of medical records, using duplicating equipment. May schedule and post results of laboratory tests to records.

Requires a high school diploma or its equivalent and 0-2 years of related experience.

## **(N) MEDICAL RECORD TECHNICIAN (Medical Record Administrator)**

Maintains medical records of hospital and clinic patients. Reviews medical records for completeness and accuracy. Codes diseases, operations, diagnoses, and treatments. Compiles medical care and census data for statistical reports. Transcribes medical reports. Maintains indexes on patient, disease, operation, and other categories. Directs routine operation of medical record department. Files, or directs Medical Record Clerk to file, patient records. Maintains flow of

medical records and reports to departments. May assist medical staff in special studies or research.

May require an associate's degree or its equivalent with 0-2 years of experience in the field or in a related area.

## **(N) PARALEGAL/LEGAL ASSISTANT I**

Work is performed under close supervision, with required assistance readily available. Work includes, typically, several of the following duties:

- Consults prescribed sources of information for facts relating to matters of interest to the program;
- Reviews documents to extract selected data and information relating to specific items;
- Reviews and summarizes information in prescribed format on case precedent and decisions;
- Searches and extracts legal references in libraries and computer-data banks;
- Attends hearings or court appearances to become informed on administrative and/or court procedures and the status of cases, and where necessary, assists in the presentation of charts and other visual information.

May require an associate's degree or its equivalent and 0-2 years of experience in the field or in a related area.

## **(N) PARALEGAL/LEGAL ASSISTANT II**

At this level, the incumbent, exercises more independent judgment than at the level I position. In this capacity the incumbent:

- Reviews case materials to become familiar with questions under consideration;
- Searches for and summarizes relevant articles in trade magazines, law reviews, published studies, financial reports, and similar materials for use of attorneys in the preparation of opinions, briefs, and other legal documents;
- Prepares digests of selected decisions or opinions which incorporate legal references and analyses of precedents involved in areas of well-defined and settled points of law;
- Interviews potential witnesses and prepares summary interview reports for the attorney's review;
- Participates in pre-trial witness conferences, notes possible deficiencies in case materials (e.g., missing documents, conflicting statements) and additional issues or other questionable matters, and requests further investigation by other agency personnel to correct possible deficiencies or personally conducts limited investigations at the pre-trial stage;
- Prepares and organizes trial exhibits, as required, such as statistical charts and photographic exhibits;
- Verifies citations and legal references on prepared legal documents;
- Prepares summaries of testimony and depositions;
- Drafts and edits nonlegal memoranda, research reports and correspondence relating to cases.

May require an associate's degree or its equivalent and 2-5 years of experience in the field or in a related area.

### **(N) PARALEGAL/LEGAL ASSISTANT III**

At this level, participates in the substantive development of cases by performing the following functions:

- Analyzes and evaluates case files against litigation worthiness standards;
- Notes and corrects case file deficiencies (e.g., missing documents, inconsistent material, leads not investigated) before sending the case on to the concerned trial attorney;
- Reviews and analyzes available precedents relevant to cases under consideration for use in presenting case summaries to trial attorneys;
- Gathers, sorts, classifies, and interprets data to discover patterns of possible discriminatory activity;
- Interviews relevant personnel and potential witnesses to gather information;
- Reviews and analyzes relevant statistics;
- Performs statistical evaluations such as standard deviations, analyses of variance, means, modes, and ranges as supporting data for case litigation;
- Consults with statistical experts on reliability evaluations;
- May testify in court concerning relevant data.

May require a bachelor's degree and 5-8 years of experience in the field or in a related area.

### **(N) PARALEGAL/ LEGAL ASSISTANT IV**

At this level, assists in the evaluation, development and litigation of cases by performing the following duties:

- Examines and evaluates information in case files, for case litigation worthiness and appropriate titles of law;
- Determines the need for additional information, independent surveys, evidence, and witnesses, and plans a comprehensive approach to obtain this information;
- Through on-site visits, interviews, and review of records on operations, looks for and evaluates the relevance and worth of evidence;
- Selects, summarizes, and compiles comparative data to examine and evaluate respondent's deficiencies in order to provide evidence of illegal practices or patterns;
- Reviews economic trends and forecasts at the national and regional level to evaluate the impact of successful prosecution and potential remedial provisions of ongoing investigations and litigation;
- Identifies types of record keeping systems and types of records maintained which would be relevant. Gathers, sorts, and interprets data from various record systems including computer information systems;
- Interviews potential witnesses for information and prepares witnesses for court appearances;
- Develops statistics and tabulations, such as standard deviations, regression analyses, and weighting, to provide leads and supportive data for case litigation. Prepares charts, graphs, and tables to illustrate results;

- Analyzes data, develops recommendations and justifications for the attorney(s) who will take the matter to court. Continues to work with the attorney(s) during the progress of the case, obtaining and developing further evidence and exhibits, providing administrative assistance, and maintaining custody of exhibits, documents, and files;
- May appear in court as a witness to testify concerning exhibits prepared supporting plaintiff's case.

May require a bachelor's degree and at least 8 years of experience in the field or in a related area.

## **(N) TECHNICAL WRITER**

Develops, writes, and edits material for reports, manuals, briefs, proposals, instruction books, catalogs, and related technical and administrative publications concerned with work methods and procedures, and installation, operation, and maintenance of machinery and other equipment. Receives assignment from supervisor. Observes production, developmental, and experimental activities to determine operating procedure and detail. Interviews production and engineering personnel and reads journals, reports, and other material to become familiar with product technologies and production methods. Reviews manufacturer's and trade catalogs, drawings and other data relative to operation, maintenance, and service of equipment. Studies blueprints, sketches, drawings, parts lists, specifications, mockups, and product samples to integrate and delineate technology, operating procedure, and production sequence and detail. Organizes material and completes writing assignment according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommends revisions or changes in scope, format, content, and methods of reproduction and binding. May maintain records and files of work and revisions. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. May arrange for typing, duplication and distribution of material. May write speeches, articles, and public or employee relations releases. May edit, standardize, or make changes to material prepared by other writers or plant personnel. May specialize in writing material regarding work methods and procedures.

May require a bachelor's degree in a related area and 0-2 years of experience in the field or in a related area.

## **(N) TECHNICAL WRITER II**

Develops, writes, and edits material for reports, manuals, briefs, proposals, instruction books, catalogs, and related technical and administrative publications concerned with work methods and procedures, and installation, operation, and maintenance of machinery and other equipment. Receives assignment from supervisor. Observes production, developmental, and experimental activities to determine operating procedure and detail. Interviews production and engineering personnel and reads journals, reports, and other material to become familiar with product technologies and production methods. Reviews manufacturer's and trade catalogs, drawings and other data relative to operation, maintenance, and service of equipment. Studies blueprints, sketches, drawings, parts lists, specifications, mockups, and product samples to integrate and delineate technology, operating procedure, and production sequence and detail. Organizes material and completes writing assignment according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommends revisions or changes in scope, format, content, and methods of reproduction and binding. May maintain

records and files of work and revisions. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. May arrange for typing, duplication and distribution of material. May write speeches, articles, and public or employee relations releases. May edit, standardize, or make changes to material prepared by other writers or plant personnel. May specialize in writing material regarding work methods and procedures.

May require a bachelor's degree in a related area and 2-4 years of experience in the field or in a related area.

## **(N) TECHNICAL WRITER III**

Develops, writes, and edits material for reports, manuals, briefs, proposals, instruction books, catalogs, and related technical and administrative publications concerned with work methods and procedures, and installation, operation, and maintenance of machinery and other equipment. Receives assignment from supervisor. Observes production, developmental, and experimental activities to determine operating procedure and detail. Interviews production and engineering personnel and reads journals, reports, and other material to become familiar with product technologies and production methods. Reviews manufacturer's and trade catalogs, drawings and other data relative to operation, maintenance, and service of equipment. Studies blueprints, sketches, drawings, parts lists, specifications, mockups, and product samples to integrate and delineate technology, operating procedure, and production sequence and detail. Organizes material and completes writing assignment according to set standards regarding order, clarity, conciseness, style, and terminology. Reviews published materials and recommends revisions or changes in scope, format, content, and methods of reproduction and binding. May maintain records and files of work and revisions. May select photographs, drawings, sketches, diagrams, and charts to illustrate material. May assist in laying out material for publication. May arrange for typing, duplication and distribution of material. May write speeches, articles, and public or employee relations releases. May edit, standardize, or make changes to material prepared by other writers or plant personnel. May specialize in writing material regarding work methods and procedures.

Requires a bachelor's degree in a related area and 4-6 years of experience in the field or in a related area.