

## **GSA Federal Supply Schedule**

*FSC Group: 87 FSC Class: 871*

*Professional Engineering Services (PES)*

*Contract Number GS-23F-0284P*



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*Columbia, MD 21044-6250*

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GENERAL SERVICES ADMINISTRATION  
Federal Supply Service  
Authorized Federal Supply Schedule Price List

for

PROFESSIONAL ENGINEERING SERVICES

FSC Group: 87 FSC Class: 871

Contract Number: GS-23F-0284P

Contract Period: June 3, 2004 – June 2, 2014

Pricelist current through modification 0002 dated June 3, 2009



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Suite 200  
Columbia, MD 21044-6250  
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Web Site: <http://www.plan-sys.com/>

Business Size: Small Business (SB)

Prices Shown Herein are Net (discount deducted)

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

For more information on ordering from Federal Supply Schedules click on the FSS button at <http://www.fss.gsa.gov>.

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## 1.0 Ordering Information

### 1. Table of awarded special item numbers:

Special Item Numbers (SINs)	Page
SIN 871-1 Strategic Planning for Technology Programs/Activities	7
SIN 871-2 Concept Development and Requirements Analysis	7
SIN 871-3 System Design, Engineering and Integration	7
SIN 871-4 Test and Evaluation	8
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2. **Maximum Order:** The Maximum Order designated for contracts awarded under this schedule is \$750,000. Ordering activities may seek a price reduction for orders placed over this amount.
3. **Minimum Order:** The Minimum Order designated for contracts awarded under this solicitation is \$100.
4. **Geographic Coverage:** The geographic scope of this contract is within the 48 contiguous states, Washington, D.C., Alaska and Hawaii.
5. **Points of Production:** Not applicable.
6. **Discount from List Prices or Statement of Net Price:**

Funded Order Value	Discount
Up to \$250,000	0.5%
\$250,000 - \$500,000	1.0%
\$500,000 - \$750,000	1.5%
\$750,000 - \$1,000,000	2.0%
Over \$1,000,000	Negotiable on a individual order basis

7. **Quantity Discounts:** PSI may offer a discount for services that are performed in certain lower cost geographic areas and are negotiated on an individual order basis.
8. **Prompt Payment Terms:** None.
9. **Government Purchase Cards:**
  - a. are accepted at or below the micro-purchase threshold.
  - b. are accepted above the micro-purchase threshold.
10. **Foreign Items:** None.

**11. Time of Delivery**

- a. Time of delivery: As specified in individual orders.
- b. Expedited delivery: Not applicable.
- c. Overnight and 2-day delivery: Not applicable.
- d. Urgent requirements: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

**12. F.O.B. points:** Destination.**13. Ordering:**

- a. Address:  
Planned Systems International, Inc.  
10632 Little Patuxent Parkway, Suite 200  
Columbia, MD 21044-6250  
Attn. Darrell J. Abed  
Voice: 410.964.8000  
Fax: 410.964.8001  
E-mail: [DAbed@plan-sys.com](mailto:DAbed@plan-sys.com)
- b. Procedures:  
For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) and a sample BPA can be found at the GSA/FSS Schedule homepage ([fss.gsa.gov/schedules](http://fss.gsa.gov/schedules)).

**14. Payment Addresses:**

- a. Electronic:  
The Provident Bank  
Susan M. Cunliffe  
114 East Lexington Street  
Baltimore, MD 21202  
Voice: 410.277.2080 Fax: 410.277.2887  
Financial Institution ABA Number: 252073018  
Collections # 0006191150
- b. Checks:  
Planned Systems International, Inc.  
10632 Little Patuxent Parkway, Suite 200  
Columbia, MD 21044-6250



15. **Warranty Provision:** Standard Commercial Warranty.
16. **Export Packing Charges:** Not applicable.
17. **Terms and Conditions of Government Purchase Card acceptance:** Determined on an individual order basis.
18. **Environmental attributes (recycled content, energy efficiency and/or reduced pollutants):** Negotiated on an individual order basis.
19. **Data Universal Number System (DUNS) number:** 60-357-1613
20. **Notification regarding registration in Central Contractor Registration (CCR) database:** PSI is registered in the CCR database.
21. **Ordering Procedures:**

FAR 8.402 contemplates that GSA may occasionally find it necessary to establish special ordering procedures for individual Federal Supply Schedules or for some Special Item Numbers (SINs) within a Schedule. GSA has established special ordering procedures for services that require a Statement of Work. These special ordering procedures take precedence over the procedures in FAR 8.404 (b)(2) through (b)(3).

When ordering services over \$100,000, Department of Defense (DOD) ordering offices and non-DOD agencies placing orders on behalf of DOD must follow the policies and procedures in the Defense Federal Acquisition Regulation Supplement (DFARS) 208.404-70, Additional ordering procedures for services. When DFARS 208.404-70 is applicable and there is a conflict between the ordering procedures contained in this clause and the additional ordering procedures for services in DFARS 208.404-70, the DFARS procedures take precedence.

GSA has determined that the prices for services contained in PSI's pricelist applicable to this Schedule are fair and reasonable. However, the ordering office using this contract is responsible for considering the level of effort and mix of labor proposed to perform a specific task being ordered and for making a determination that the total firm-fixed price or ceiling price is fair and reasonable.

When ordering services, ordering offices shall—

**(1) Prepare a Request (Request for Quote or other communication tool):**

- (i) A statement of work (a performance-based statement of work is preferred) that outlines, at a minimum, the work to be performed, location of work, period of performance, deliverable schedule, applicable standards, acceptance criteria, and any special requirements (i.e., security clearances, travel, special knowledge, etc.) should be prepared.



## Schedule

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(ii) The request should include the statement of work and request the contractors to submit either a firm-fixed price or a ceiling price to provide the services outlined in the statement of work. A firm-fixed price order shall be requested, unless the ordering office makes a determination that it is not possible at the time of placing the order to estimate accurately the extent or duration of the work or to anticipate cost with any reasonable degree of confidence. When such a determination is made, a labor-hour or time-and-materials quote may be requested. The firm-fixed price shall be based on the prices in the Schedule contract and shall consider the mix of labor categories and level of effort required to perform the services described in the statement of work. The firm-fixed price of the order should also include any travel costs or other direct charges related to performance of the services ordered, unless the order provides for reimbursement of travel costs at the rates provided in the Federal Travel or Joint Travel Regulations. A ceiling price must be established for labor-hour and time-and-materials orders.

(iii) The request may ask the contractors, if necessary or appropriate, to submit a project plan for performing the task, and information on the contractor's experience and/or past performance performing similar tasks.

(iv) The request shall notify the contractors what basis will be used for selecting the contractor to receive the order. The notice shall include the basis for determining whether the contractors are technically qualified and provide an explanation regarding the intended use of any experience and/or past performance information in determining technical qualification of responses.

### **(2) Transmit the Request to Contractors:**

Based upon an initial evaluation of catalogs and pricelists, the ordering office should identify the contractors that appear to offer the best value (considering the scope of services offered, pricing and other factors such as contractors' locations, as appropriate) and transmit the request as follows:

(i) The request shall be provided to at least three (3) contractors if the proposed order is estimated to exceed the micro-purchase threshold, but not exceed the maximum order threshold.

(ii) For proposed orders exceeding the maximum order threshold, the request shall be provided to an appropriate number of additional contractors that offer services that will meet the agency's needs.

(iii) In addition, the request shall be provided to any contractor who specifically requests a copy of the request for the proposed order.

(iv) Ordering offices should strive to minimize the contractors' costs associated with responding to requests for quotes for specific orders. Requests should be tailored to the minimum level necessary for adequate evaluation and selection for order placement. Oral presentations should be considered, when possible.

### **(3) Evaluate Responses and Select the Contractor to Receive the Order:**

After responses have been evaluated against the factors identified in the request, the order should be placed with the Schedule contractor that represents the best value. (See FAR 8.404.)



The establishment of Federal Supply Schedule Blanket Purchase Agreements (BPAs) for recurring services is permitted when the procedures outlined herein are followed. All BPAs for services must define the services that may be ordered under the BPA, along with delivery or performance time frames, billing procedures, etc. The potential volume of orders under BPAs, regardless of the size of individual orders, may offer the ordering office the opportunity to secure volume discounts.

When establishing BPAs ordering offices shall—

(1) Inform contractors in the request (based on the agency's requirement) if a single BPA or multiple BPAs will be established, and indicate the basis that will be used for selecting the contractors to be awarded the BPAs.

**(i) SINGLE BPA:** Generally, a single BPA should be established when the ordering office can define the tasks to be ordered under the BPA and establish a firm-fixed price or ceiling price for individual tasks or services to be ordered. When this occurs, authorized users may place the order directly under the established BPA when the need for service arises. The Schedule contractor that represents the best value should be awarded the BPA. (See FAR 8.404.)

**(ii) MULTIPLE BPAs:** When the ordering office determines multiple BPAs are needed to meet its requirements, the ordering office should determine which contractors can meet any technical qualifications before establishing the BPAs. When establishing multiple BPAs, the procedures in (a)(2) above must be followed. The procedures at (a)(2) do not apply to orders issued under multiple BPAs. Authorized users must transmit the request for quote for an order to all BPA holders and then place the order with the BPA holder that represents the best value.

(2) Review BPAs Periodically: Such reviews shall be conducted at least annually. The purpose of the review is to determine whether the BPA still represents the best value. (See FAR 8.404.)

The ordering office should give preference to small business concerns when two or more contractors can provide the services at the same firm-fixed price or ceiling price.

When the ordering office's requirement involves both products as well as executive, administrative and/or professional services, the ordering office should total the prices for the products and the firm-fixed price for the services and select the contractor that represents the best value. (See FAR 8.404.)

The ordering office, at a minimum, should document orders by identifying the contractor from which the services were purchased, the services purchased, and the amount paid. If other than a firm-fixed price order is placed, such documentation should include the basis for the determination to use a labor-hour or time-and-materials order. For agency requirements in excess of the micro-purchase threshold, the order file should document the evaluation of Schedule contractors' quotes that formed the basis for the selection of the contractor that received the order and the rationale for any trade-offs made in making the selection.



## 2.0 About Planned Systems International, Inc.

Planned Systems International, Inc. (PSI) is a minority-owned small business dedicated to the delivery of engineering and information technology services. Founded in 1988, PSI has expanded steadily to currently employ over 230 professionals serving clients in government agencies – including state and local government – as well as the commercial sector. PSI is headquartered in Columbia, MD – centrally located in the Washington-Baltimore corridor. In addition, PSI has project locations nationwide plus full field offices in Lexington Park, MD and Falls Church, VA.

### SCOPE OF WORK

This Professional Engineering Services Schedule contract contains two (2) primary Engineering Disciplines, which may be used under each of the six Special Item Numbers (SINs), which are arranged to follow the specific developmental phases of any project.

### ENGINEERING DISCIPLINES:

#### Electrical Engineering:

Planning, design, development, evaluation and operation of electrical principles, models and processes. It includes, but is not limited to, the design, fabrication, measurement and operation of electrical devices, equipment and systems (e.g., signal processing; telecommunication; sensors, microwave, and image processing; micro-fabrication; energy systems and control; micro- and nano-electronics; plasma processing; laser and photonics; satellites, missiles and guidance systems, space vehicles, fiber optics, robotics, etc.).

#### Mechanical Engineering:

Planning, development, evaluation and control of systems and components involving the production and transfer of energy and with the conversion of one form of energy to another. It includes, but is not limited to, planning and evaluation of power plants, analysis of the economical combustion of fuels, conversion of heat energy into mechanical energy, use of mechanical energy to perform useful work, analysis of structures and motion in mechanical systems, and conversion of raw materials into a final product, etc. (e.g., thermodynamics, mechanics, fluid mechanics, jets, rocket engines, internal combustion engines, steam and gas turbines, continuum mechanics, dynamic systems, dynamics fluid mechanics, heat transfer, manufacturing, materials, solid mechanics, reactors, etc.).



## SPECIAL ITEM NUMBERS (SINs)

### SIN 871-1

#### STRATEGIC PLANNING FOR TECHNOLOGY PROGRAMS/ACTIVITIES

**Description:** Services required under this SIN involve the definition and interpretation of high-level organizational engineering performance requirements such as projects, systems, missions, etc., and the objectives and approaches to their achievement. Typical associated tasks include, but are not limited to an analysis of mission, program goals and objectives, requirements analysis, organizational performance assessment, special studies and analysis, training, privatization and outsourcing.

**Example:** The evaluation and preliminary definition of new and/or improved performance goals for navigation satellites – such as launch procedures and costs, multi-user capability, useful service life, accuracy and resistance to natural and man made electronic interference.

### SIN 871-2

#### CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS

**Description:** Services required under this SIN involve abstract or concept studies and analysis, requirements definition, preliminary planning, the evaluation of alternative technical approaches and associated costs for the development or enhancement of high level general performance specifications of a system, project, mission or activity. Typical associated tasks include, but are not limited to requirements analysis, cost/cost-performance trade-off analysis, feasibility analysis, regulatory compliance support, technology conceptual designs, training, privatization and outsourcing.

**Example:** The development and analysis of the total mission profile and life cycle of the improved satellite including examination of performance and cost tradeoffs.

### SIN 871-3

#### SYSTEM DESIGN, ENGINEERING AND INTEGRATION

**Description:** Services required under this SIN involve the translation of a system (or subsystem, program, project, activity) concept into a preliminary and detailed design (engineering plans and specifications), performing risk identification/analysis/mitigation, traceability, and then integrating the various components to produce a working prototype or model of the system. Typical associated tasks include, but are not limited to computer-aided design, design studies and analysis, high level detailed specification preparation, configuration management and document control, fabrication, assembly and simulation, modeling, training, privatization and outsourcing.

**Example:** The navigation satellite concept produced in the preceding stage will be converted to a detailed engineering design package, performance will be computer simulated and a working model will be built for testing and design verification.



## SPECIAL ITEM NUMBERS (SINs)

### SIN 871-4 TEST AND EVALUATION

**Description:** Services required under this SIN involve the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Typical associated tasks include, but are not limited testing of a prototype and first article(s) testing, environmental testing, independent verification and validation, reverse engineering, simulation and modeling (to test the feasibility of a concept), system safety, quality assurance, physical testing of the product or system, training, privatization and outsourcing.

**Example:** The navigation satellite-working model will be subjected to a series of tests, which may simulate and ultimately duplicate its operational environment.

### SIN 871-5 INTEGRATED LOGISTICS SUPPORT

**Description:** Services required under this SIN involves the analysis, planning and detailed design of all engineering specific logistics support including material goods, personnel, and operational maintenance and repair of systems throughout their life cycles. Typical associated tasks include, but are not limited to ergonomic/human performance analysis, feasibility analysis, logistics planning, requirements determination, policy standards/procedures development, long-term reliability and maintainability, training, privatization and outsourcing.

**Example:** The full range of life cycle logistics support for the navigation satellite will be identified and designed in this stage including training, operation and maintenance requirements, and replacement procedures.

### SIN 871-6 ACQUISITION AND LIFE CYCLE MANAGEMENT

**Description:** Services required under this SIN involve all of the planning, budgetary, contract and systems/program management execution functions required to procure and/or produce, render operational and provide life cycle support (maintenance, repair, supplies, engineering specific logistics) to technology-based systems, activities, subsystems, projects, etc. Typical associated tasks include, but are not limited to operation and maintenance, program/project management (including, but not limited to, construction management) technology transfer/insertion, training, privatization and outsourcing.

**Example:** During this stage the actual manufacturing, launch, and performance monitoring of the navigation satellite will be assisted through project management, configuration management, reliability analysis, engineering retrofit improvements and similar functions.



**Types of Services **Not** Included:**

- (a) **Construction and Architect-Engineering Services as set forth in FAR Part 36:** Construction Services as defined in FAR 2.101 must be procured in accordance with [FAR Part 36](#), except for Construction Management Services. **Architect-Engineering (A/E) Services** related to real property, as defined in FAR 36.601-3, are also excluded. Offerors interested in providing **Construction and Architect-Engineering Services** may contact GSA's Public Buildings Service (PBS), at (202) 501-1100 or visit [www.gsa.gov/pbs](http://www.gsa.gov/pbs) for additional information.

Construction Management Services that neither meets the FAR 36.601-3 definition of A/E Services nor the FAR 2.101 definition of construction **CAN** be performed under all of the SINs of the Professional Engineering Services schedule if considered a commercial item.

- (b) **Production and Manufacturing:** Please note the manufacture, fabrication, installation or production for the purpose of developing working models or prototypes that may be used for further testing, analysis and evaluation before full scale production begins **IS** allowed under the PES schedule. The number of prototypes or working models to be produced is dependent upon the ordering activities' requirement for testing and analysis. However, the predominate amount of the work on PES task orders should be performed by professional labor categories.
- (c) **Computer Engineering and Information Technology** is not being solicited. Offerors interested in providing computer/software engineering and information technology services are directed to contact GSA's Group 70 Schedule for Information Technology for additional information at (703) 305-3038.
- (d) **Environmental Advisory Services** as listed below are not being solicited:

1. Environmental Planning Services & Documentation (i.e., environmental impact statements; endangered species, wetlands, watersheds and other natural resource management plans, studies and consultations; archeological, historic and other cultural resources management plans, studies, and consultations; economic, technical, and risk analyses in support of environmental needs)
2. Environmental compliance services (i.e., environmental compliance audits; compliance management planning; pollution prevention surveys;
3. Environmental/occupational training services specific to environmental planning and environmental compliance as discussed above (i.e., conventional course development and presentation; customized courses to meet specific needs; computer-based interactive course development)
4. Waste management services (i.e., data collection, data development, analyses of comments, regulatory and economic analyses, feasibility analyses, hazard assessments, exposure assessments, and risk analyses. Examples include, but are not limited to development of waste characterization studies and recommendations for management strategy including identification of recycling options. Assessments might include studies relating to collection and transfer of waste, source reduction, and evaluation of energy/fuel options. Services could include data collection, data development, analyses of comments, regulatory and economic analyses, feasibility analyses, hazard assessments, exposure assessments and risk analyses.



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5. Hazardous materials management advisory services (i.e., furnishing of Material Safety Data Sheets (MDS) by compact disc, on-line via Internet, mail or facsimile (FAX); reporting and compliance software, hazardous materials tracking software and other related software/services. Telephone advisory services (i.e., telephone assistance with hazardous material spills, poisons, MSDS, and other related services). Offerors interested in providing environmental advisory services are directed to contact GSA's Group 899 Schedule for additional information (contact Joan Rodgers at (253) 931-7900).
6. Foundations and Landscaping Engineering. Offerors interested in providing foundations and landscaping engineering are directed to contact GSA's PBS for additional information.
7. HEATING, VENTILATION AND AIR-CONDITIONING (HVAC) SERVICES RELATED TO BUILDINGS, STRUCTURES, OR OTHER REAL PROPERTY SET FORTH FOR CONSTRUCTION AND ARCHITECT-ENGINEERING SERVICES GOVERNED BY FAR PART 36: Offerors interested in providing these types of services are directed to contact GSA's Public Buildings Service (PBS), at (202) 501-1100 or visit [www.gsa.gov/pbs](http://www.gsa.gov/pbs) for additional information. Please note: HVAC services related to the manufacture, production, furnishing, construction, alteration, repair, processing or assembling of vessels, aircraft, or other kinds of personal property IS included and solicited within the scope of PES.
8. RESEARCH AND DEVELOPMENT AS SET FORTH IN FAR PART 35, which governs open-ended research with no specific deliverables, is not allowed under this schedule. However, research, analysis, and developmental work related to providing a solution to an engineering requirement is allowed under the PES schedule.
9. Surveying as it relates to real property is not solicited under this schedule.
10. Products/materials already solicited under other Federal Supply Service (FSS) Schedule contracts (e.g., information technology, paper, chemicals, pharmaceuticals, laboratory instruments, etc.). However, PES contractors may team across FSS Schedules to provide a total solution to agency requirements.



### 3.0 Labor Categories

#### 3.1 Program Manager

##### Overview

Serves as the contract manager and administrator over the entire contract effort. Acts as the primary interface and point of contact with Government project authorities and representatives on technical and contract administration issues. Supervises project operations by developing management procedures, planning and directing project execution, monitoring and reporting progress. Manages and controls financial and administrative aspects of the project with respect to contract requirements, enforces work standards, and assigns schedules.

##### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	16	10	12	6	10	4	8	2

#### 3.2 Project Manager

##### Overview

Serves as the central point of contact for delivery orders and interfaces with the Contracting Officers Technical Representatives. Establishes and enforces procedures to assure that all tasks are performed in accordance with applicable standards, quality requirements, estimated costs, and schedules. Coordinates development, quality assurance, configuration management, documentation support, software maintenance, and daily supervision of subordinates. Prepares reports and delivers briefings on the status of task assignments to contract management personnel and technical points of contact. Reviews work of subordinates, resolves discrepancies, prioritizes work, and accommodates changes.

##### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	10	5	6	1	4	0	2	0



### 3.3 Task Manager

#### Overview

Serves as the central point of contact for a particular delivery/task order and interfaces with the Government's Technical Representative. Establishes and enforces procedures to assure that the task is performed in accordance with applicable standards, quality requirements, estimated costs, and schedules. Coordinates development, quality assurance, configuration management, documentation support, software maintenance, and daily supervision of subordinates. Prepares reports and delivers briefings on the status of task assignments to contract management personnel and technical points of contact. Reviews work of subordinates, resolves discrepancies, prioritizes work, and accommodates changes.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
8	3	6	2	4	0	2	0	NA	NA

### 3.4 Subject Matter Expert V

#### Overview

Performs analytic work in support of systems engineering or planning activities, including the development of preliminary and detailed functional analysis. Subject matter functional expertise provided includes areas such as inventory management, supply, provisioning, maintenance, transportation, personnel, financial management, and administration. Introduces innovative approaches and methodologies for processes and support systems. May provide leadership to large teams of functional or technical personnel.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
21	16	19	14	17	12	15	10	13	8

### 3.5 Subject Matter Expert IV

#### Overview

Performs analytic work in support of systems engineering or planning activities, including the development of preliminary and detailed functional analysis. Subject matter functional expertise provided includes areas such as inventory management, supply, provisioning, maintenance, transportation, personnel, financial management, and administration. Introduces innovative approaches and methodologies for processes and support systems. May provide leadership to large teams of functional or technical personnel.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
19	14	17	12	15	10	13	8	11	6



### 3.6 Subject Matter Expert III

#### Overview

Performs analytic work in support of systems engineering or planning activities, including the development of preliminary and detailed functional analysis. Subject matter functional expertise provided includes areas such as inventory management, supply, provisioning, maintenance, transportation, personnel, financial management, and administration. Introduces innovative approaches and methodologies for processes and support systems. May provide leadership to large teams of functional or technical personnel.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
18	13	16	13	14	9	12	7	10	5

### 3.7 Subject Matter Expert II

#### Overview

Performs analytic work in support of systems engineering or planning activities, including the development of preliminary and detailed functional analysis. Subject matter functional expertise provided includes areas such as inventory management, supply, provisioning, maintenance, transportation, personnel, financial management, and administration. Introduces innovative approaches and methodologies for processes and support systems. May provide leadership to small teams of functional or technical personnel.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
16	11	14	11	12	7	10	5	8	3

### 3.8 Subject Matter Expert I

#### Overview

Performs analytic work in support of systems engineering or planning activities, including the development of preliminary and detailed functional analysis required for ADP systems. Subject matter functional expertise provided includes areas such as inventory management, supply, provisioning, maintenance, transportation, personnel, financial management, and administration.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
14	9	12	9	10	5	8	3	6	1



### 3.9 Logistics Engineer V

#### Overview

Proven management skills in program activities designed to ensure effective and economical support for production of various goods and services.

Ensures materials, goods, labor, equipment, supplies, and other requirements are delivered in good order at an optimum time and cost.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
24	19	22	17	20	15	18	13	16	11

### 3.10 Logistics Engineer IV

#### Overview

Oversees and coordinates program activities designed to ensure effective and economical support for production of various goods and services.

Ensures materials, goods, labor, equipment, supplies, and other requirements are delivered in good order at an optimum time and cost.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
19	14	17	12	15	10	13	8	11	6

### 3.11 Logistics Engineer III

#### Overview

Coordinates program activities designed to ensure effective and economical support for production of various goods and services.

Ensures materials, goods, labor, equipment, supplies, and other requirements are delivered in good order at an optimum time and cost.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
14	9	12	7	10	5	8	3	6	1



### 3.12 Logistics Engineer II

#### Overview

Coordinates program activities designed to ensure effective and economical support for production of various goods and services.

Ensures materials, goods, labor, equipment, supplies, and other requirements are delivered in good order at an optimum time and cost.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
9	4	7	2	5	0	3	0	1	0

### 3.13 Logistics Engineer I

#### Overview

Under supervision assists in the coordination of program activities designed to ensure effective and economical support for production of various goods and services.

Ensures materials, goods, labor, equipment, supplies, and other requirements are delivered in good order at an optimum time and cost.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	0	3	0	1	0	0	0	0	0



### 3.14 Mechanical Engineer V

#### Overview

Oversees and coordinates activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems.

Researches, develops, plans, and designs mechanical and electromechanical products and systems which may involve nanotechnology.

Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc.

May use Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) for design data processing and for developing alternative designs.

Requires a degree in mechanical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	20	15	18	13	16	11

### 3.15 Mechanical Engineer IV

#### Overview

Coordinates activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems.

Researches, develops, plans, and designs mechanical and electromechanical products and systems which may involve nanotechnology.

Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc.

May use Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) for design data processing and for developing alternative designs.

Requires a degree in mechanical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	15	10	13	8	11	6



### 3.16 Mechanical Engineer III

**Overview**

Performs activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems.

Researches, develops, plans, and designs mechanical and electromechanical products and systems which may involve nanotechnology.

Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc.

May use Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) for design data processing and for developing alternative designs.

Requires a degree in mechanical engineering.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	10	5	8	3	6	1

### 3.17 Mechanical Engineer II

**Overview**

Assists in coordination of activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems.

Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc.

May use Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) for design data processing and for developing alternative designs.

Requires a degree in mechanical engineering.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	7	2	5	0	3	0	1	0



### 3.18 Mechanical Engineer I

#### Overview

Under close supervision assists in coordination of activities involved in fabrication, operation, application, installation, and repair of mechanical or electromechanical products and systems.

Activities may involve but are not limited to electric generators, internal combustion engines, and steam and gas turbines, power-using machines such as refrigeration and air-conditioning equipment, machine tools, material handling systems, elevators and escalators, industrial production equipment, and robots used in manufacturing, etc.

May use Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) for design data processing and for developing alternative designs.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	3	3	1	1	0	0	0	0	0

### 3.19 Electronics Engineer IV

#### Overview

Oversees and coordinates research, development, design, and test of electronic components, products, and systems for commercial, industrial, medical, military, and scientific applications, applying principles and techniques of electronic engineering.

Require related degree in engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	20	15	18	13	16	11

### 3.20 Electronics Engineer III

#### Overview

Coordinates research, development, design, and test of electronic components, products, and systems for commercial, industrial, medical, military, and scientific applications, applying principles and techniques of electronic engineering.

Require related degree in engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	15	10	13	8	11	6



### 3.21 Electronics Engineer II

#### Overview

Performs activities in development, design, and test of electronic components, products, and systems for commercial, industrial, medical, military, and scientific applications, applying principles and techniques of electronic engineering.

Requires related degree in engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	10	5	8	3	6	1

### 3.22 Electronics Engineer I

#### Overview

Under close supervision performs activities in design and test of electronic components, products, and systems for commercial, industrial, medical, military, and scientific applications, applying principles and techniques of electronic engineering.

Requires related degree in engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	7	3	5	0	3	0	1	0

### 3.23 Electrical Engineer IV

#### Overview

Oversees and coordinates research, development, design, and test of electrical components, equipment, and systems, applying principles and techniques of electrical engineering.

Requires a degree in electrical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	15	10	13	8	11	6



### 3.24 Electrical Engineer III

#### Overview

Coordinates research, development, design, and test of electrical components, equipment, and systems, applying principles and techniques of electrical engineering.

Requires a degree in electrical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	10	5	8	3	6	1

### 3.25 Electrical Engineer II

#### Overview

Performs activities in development, design, and test of electrical components, equipment, and systems, applying principles and techniques of electrical engineering.

Requires a degree in electrical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	7	3	5	1	3	0	1	0

### 3.26 Electrical Engineer I

#### Overview

Under close supervisions performs activities in design and test of electrical components, equipment, and systems, applying principles and techniques of electrical engineering.

Requires a degree in electrical engineering.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	3	1	1	0	0	0	0	0



### 3.27 Systems Engineer V

#### Overview

Directs, coordinates, and exercises functional authority for planning, organization, control, integration, and completion of engineering projects within area of assigned responsibility. Requires broad knowledge of developments in various fields of science as well as thorough grounding in general techniques of mathematical and physical analysis and optimization.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	20	15	18	13	16	11

### 3.28 Systems Engineer IV

#### Overview

Coordinates, and exercises functional authority for planning, organization, control, integration, and completion of engineering projects within area of assigned responsibility. Requires broad knowledge of developments in various fields of science as well as thorough grounding in general techniques of mathematical and physical analysis and optimization.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	15	10	13	8	11	6

### 3.29 Systems Engineer III

#### Overview

Performs activities in planning, organization, control, integration, and completion of engineering projects within area of assigned responsibility. Requires broad knowledge of developments in various fields of science as well as thorough grounding in general techniques of mathematical and physical analysis and optimization.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	12	7	10	5	8	3	6	1



### 3.30 Systems Engineer II

#### Overview

Performs activities in control, integration, and completion of engineering projects within area of assigned responsibility. Requires knowledge of developments in various fields of science as well as grounding in general techniques of mathematical and physical analysis and optimization.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	7	2	5	0	3	0	1	0

### 3.31 Systems Engineer I

#### Overview

Under close supervision performs activities in integration and completion of engineering projects within area of assigned responsibility. Requires knowledge of developments in various fields of science as well as grounding in general techniques of mathematical and physical analysis and optimization.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	3	0	1	0	0	0	0	0

### 3.32 Project Analyst IV

#### Overview

Directs, coordinates, and exercises functional authority for determining better ways to coordinate the effective use of money, materials and equipment by applying analytical methods from mathematics, science, engineering, finance and economics.

Requires a degree in field of specialty.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	15	10	13	8	11	6



### 3.33 Project Analyst III

#### Overview

Coordinates, and exercises functional authority for determining better ways to coordinate the effective use of money, materials and equipment by applying analytical methods from mathematics, science, engineering, finance and economics.

Requires a degree in field of specialty.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	NA	NA	10	5	8	3	6	1

### 3.34 Project Analyst II

#### Overview

Responsible for determining better way to coordinate the effective use of money, materials and equipment by applying analytical methods from mathematics, science, engineering, finance and economics.

Requires a degree in field of specialty.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
NA	NA	7	2	5	0	3	0	1	0

### 3.35 Project Analyst I

#### Overview

Under close supervision determines better ways to coordinate the effective use of money, materials and equipment by applying analytical methods from mathematics, science, engineering, finance and economics.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	3	3	1	1	0	0	0	0	0



### 3.36 Drafter IV

#### Overview

Drafts detailed drawings of wide variety machinery and mechanical devices, electrical working drawings, wiring diagrams and layout diagrams and detailed drawings, used in production, assembly, installation, and repair of related electronics such as: electronic components, printed circuit boards, and equipment.

Calculates and lays out dimensions, angles, curvature, materials to be used, relationship of one part to another, and relationship of various parts, utilizing knowledge of engineering practices, mathematics, materials, technology, and related physical sciences.

Prepares working plans and detail drawings from rough or detailed sketches and notes for engineering or production purposes according to dimensional specifications.

Must have thorough knowledge of computer-assisted drafting (CAD) equipment and software.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
14	9	12	7	10	5	0	0	0	0

### 3.37 Drafter III

#### Overview

Drafts detailed drawings of wide variety machinery and mechanical devices, electrical working drawings, wiring diagrams and layout diagrams and detailed drawings, used in production, assembly, installation, and repair of related electronics such as: electronic components, printed circuit boards, and equipment.

Calculates and lays out dimensions, angles, curvature, materials to be used, relationship of one part to another, and relationship of various parts, utilizing knowledge of engineering practices, mathematics, materials, technology, and related physical sciences.

Prepares working plans and detail drawings from rough or detailed sketches and notes for engineering or production purposes according to dimensional specifications.

Must have thorough knowledge of computer-assisted drafting (CAD) equipment and software.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
10	5	8	3	6	1	0	0	0	0



### 3.38 Drafter II

#### Overview

Drafts detailed drawings of wide variety machinery and mechanical devices, electrical working drawings, wiring diagrams and layout diagrams and detailed drawings, used in production, assembly, installation, and repair of related electronics such as: electronic components, printed circuit boards, and equipment.

Calculates and lays out dimensions, angles, curvature, materials to be used, relationship of one part to another, and relationship of various parts, utilizing knowledge of engineering practices, mathematics, materials, technology, and related physical sciences.

Prepares working plans and detail drawings from rough or detailed sketches and notes for engineering or production purposes according to dimensional specifications.

Must have working knowledge of computer-assisted drafting (CAD) equipment and software.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	0	3	0	1	0	0	0	0	0

### 3.39 Drafter I

#### Overview

Drafts detailed drawings of wide variety machinery and mechanical devices, electrical working drawings, wiring diagrams and layout diagrams and detailed drawings, used in production, assembly, installation, and repair of related electronics such as: electronic components, printed circuit boards, and equipment.

Calculates and lays out dimensions, angles, curvature, materials to be used, relationship of one part to another, and relationship of various parts, utilizing knowledge of engineering practices, mathematics, materials, technology, and related physical sciences.

Prepares working plans and detail drawings from rough or detailed sketches and notes for engineering or production purposes according to dimensional specifications.

Must have knowledge of computer-assisted drafting (CAD) equipment and software.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
1	0	0	0	0	0	0	0	0	0



### 3.40 Engineering Technician IV

#### Overview

Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, physics, science, engineering, and mathematics to solve technical problems.

Lays out, builds, tests, troubleshoots, repairs and modifies developmental and production electronic components, parts, equipment, systems, and related products and services. Assists mechanical engineers, or under the direction of engineering and scientific staff, to design, develop, test, and manufacture machinery, and other equipment.

Work is more limited in scope and more practically oriented than that of scientists and engineers.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
16	11	14	9	12	7	0	0	0	0

### 3.41 Engineering Technician III

#### Overview

Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, physics, science, engineering, and mathematics to solve technical problems.

Work is more limited in scope and more practically oriented than that of scientists and engineers.

Lays out, builds, tests, troubleshoots, repairs and modifies developmental and production electronic components, parts, equipment, systems, and related products and services. Assists mechanical engineers, or under the direction of engineering and scientific staff, to design, develop, test, and manufacture machinery, and other equipment.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
12	7	10	5	8	3	0	0	0	0



### 3.42 Engineering Technician II

#### Overview

Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, physics, science, engineering, and mathematics to solve technical problems.

Work is more limited in scope and more practically oriented than that of scientists and engineers.

Lays out, builds, tests, troubleshoots, repairs and modifies developmental and production electronic components, parts, equipment, systems, and related products and services. Assists mechanical engineers, or under the direction of engineering and scientific staff, to design, develop, test, and manufacture machinery, and other equipment.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
7	2	5	0	0	0	0	0	0	0

### 3.43 Engineering Technician I

#### Overview

Applies principles and theories of electronics, electrical circuitry, engineering mathematics, electronic and electrical testing, physics, science, engineering, and mathematics to solve technical problems.

Work is more limited in scope and more practically oriented than that of scientists and engineers.

Lays out, builds, tests, troubleshoots, repairs and modifies developmental and production electronic components, parts, equipment, systems, and related products and services. Assists mechanical engineers, or under the direction of engineering and scientific staff, to design, develop, test, and manufacture machinery, and other equipment.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
3	0	1	0	0	0	0	0	0	0

### 3.44 Electronics Mechanic III

#### Overview

Repairs electronic equipment, such as computers, industrial controls, audio and video systems, radar systems, telemetering and missile control systems, transmitters, antennas, and servomechanisms, following blueprints and manufacturers' specifications, and using hand tools and test instruments.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
10	5	8	3	0	0	0	0	0	0



### 3.45 Electronics Mechanic II

**Overview**

Repairs electronic equipment, such as computers, industrial controls, audio and video systems, radar systems, telemetering and missile control systems, transmitters, antennas, and servomechanisms, following blueprints and manufacturers' specifications, and using hand tools and test instruments.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	0	3	0	0	0	0	0	0	0

### 3.46 Electronics Mechanic I

**Overview**

Repairs electronic equipment, such as computers, industrial controls, audio and video systems, radar systems, telemetering and missile control systems, transmitters, antennas, and servomechanisms, following blueprints and manufacturers' specifications, and using hand tools and test instruments.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
1	0	0	0	0	0	0	0	0	0

### 3.47 Electronics Worker III

**Overview**

Performs a variety of tasks to clean, trim, or prepare components or parts for assembly by other workers.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
10	5	0	0	0	0	0	0	0	0

### 3.48 Electronics Worker II

**Overview**

Performs a variety of tasks to clean, trim, or prepare components or parts for assembly by other workers.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
5	2	0	0	0	0	0	0	0	0



### 3.49 Electronics Worker I

#### Overview

Performs a variety of tasks to clean, trim, or prepare components or parts for assembly by other workers.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
1	0	0	0	0	0	0	0	0	0

### 3.50 Contract Specialist

#### Overview

Administers activities concerned with contracts for purchase or sale of equipment, materials, products, or services. Negotiates with suppliers to draw up procurement contracts.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
9	4	7	2	5	0	0	0	0	0

### 3.51 Graphic Artist

#### Overview

May create graphic material and lettering to be used for title, background, screen advertising, organization logo, and other visual layouts for internet web sites, printed materials, video production, television, or other media.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
12	7	10	5	8	3	0	0	0	0

### 3.52 Technical Illustrator

#### Overview

Creates, lays out and draws technical illustrations for reproduction in reference works.

Prepares drawings from blueprints, designs, mockups, photo prints, and other sources by methods and techniques suited to specified reproduction process or final use, such as blueprint, photo-offset, and projection transparencies, using drafting, optical equipment, and digital computer formats.

#### Education/Experience

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
12	7	10	5	8	3	0	0	0	0



### 3.53 Technical Writer

**Overview**

Writes and prepares technical documentation using outlines and resource material provided by functional analysts and computer personnel. Consolidates, formats, requires and edits documentation written by technical personnel. Interprets documentation standards and instructions listed in the Statement of Work and produces documents that conform to instructions. Applies knowledge of required standards and verifies that documentation conforms to standards.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
4	2	2	0	0	0	0	0	0	0

### 3.54 Administrative Assistant

**Overview**

Provides clerical and administrative services and applies appropriate technology to support office operations. Provides graphics and editorial support plus desktop publishing services.

**Education/Experience**

No Degree		Associate's		Bachelor's		Master's		Ph.D.	
Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec	Gen	Spec
4	2	2	0	0	0	0	0	0	0



## 4.0 PRICING

Customer Site/On-Site Rates					
Labor Category	Year 6	Year 7	Year 8	Year 9	Year 10
	6/4/2009 to 6/3/2010	6/4/2010 to 6/3/2011	6/4/2011 to 6/3/2012	6/4/2012 to 6/3/2013	6/4/2013 to 6/3/2014
Program Manager	119.05	123.22	127.53	131.99	136.61
Project Manager	94.52	97.83	101.25	104.79	108.46
Task Manager	85.45	88.44	91.54	94.74	98.06
Subject Matter Expert V	301.61	312.17	323.10	334.41	346.11
Subject Matter Expert IV	244.99	253.56	262.43	271.62	281.13
Subject Matter Expert III	175.67	181.82	188.18	194.77	201.59
Subject Matter Expert II	151.75	157.06	162.56	168.25	174.14
Subject Matter Expert I	120.81	125.04	129.42	133.95	138.64
Administrative Assistant	33.33	34.50	35.71	36.96	38.25
Technical Writer	42.42	43.90	45.44	47.03	48.68
Logistics Engineer V	116.31	120.38	124.59	128.95	133.46
Logistics Engineer IV	107.25	111.00	114.89	118.91	123.07
Logistics Engineer III	94.81	98.13	101.56	105.11	108.79
Logistics Engineer II	77.22	79.92	82.72	85.62	88.62
Logistics Engineer I	61.57	63.72	65.95	68.26	70.65
Mechanical Engineer V	109.49	113.32	117.29	121.40	125.65
Mechanical Engineer IV	101.22	104.76	108.43	112.23	116.16
Mechanical Engineer III	90.46	93.63	96.91	100.30	103.81
Mechanical Engineer II	78.09	80.82	83.65	86.58	89.61
Mechanical Engineer I	67.68	70.05	72.50	75.04	77.67
Electronics Engineer IV	125.89	130.30	134.86	139.58	144.47
Electronics Engineer III	117.26	121.36	125.61	130.01	134.56
Electronics Engineer II	103.34	106.96	110.70	114.57	118.58
Electronics Engineer I	86.14	89.15	92.27	95.50	98.84
Electrical Engineer IV	110.06	113.91	117.90	122.03	126.30
Electrical Engineer III	97.38	100.79	104.32	107.97	111.75
Electrical Engineer II	82.29	85.17	88.15	91.24	94.43
Electrical Engineer I	69.50	71.93	74.45	77.06	79.76
Systems Engineer V	124.74	129.11	133.63	138.31	143.15
Systems Engineer IV	113.61	117.59	121.71	125.97	130.38
Systems Engineer III	100.60	104.12	107.76	111.53	115.43
Systems Engineer II	86.58	89.61	92.75	96.00	99.36
Systems Engineer I	75.20	77.83	80.55	83.37	86.29
Project Analyst IV	81.51	84.36	87.31	90.37	93.53



Customer Site/On-Site Rates					
Labor Category	Year 6	Year 7	Year 8	Year 9	Year 10
	6/4/2009 to 6/3/2010	6/4/2010 to 6/3/2011	6/4/2011 to 6/3/2012	6/4/2012 to 6/3/2013	6/4/2013 to 6/3/2014
Project Analyst III	72.26	74.79	77.41	80.12	82.92
Project Analyst II	61.04	63.18	65.39	67.68	70.05
Project Analyst I	51.43	53.23	55.09	57.02	59.02
Drafter IV	64.56	66.82	69.16	71.58	74.09
Drafter III	58.56	60.61	62.73	64.93	67.20
Drafter II	49.20	50.92	52.70	54.54	56.45
Drafter I	41.03	42.47	43.96	45.50	47.09
Engineering Technician IV	72.88	75.43	78.07	80.80	83.63
Engineering Technician III	67.82	70.19	72.65	75.19	77.82
Engineering Technician II	57.44	59.45	61.53	63.68	65.91
Engineering Technician I	47.30	48.96	50.67	52.44	54.28
Electronics Mechanic III	81.38	84.23	87.18	90.23	93.39
Electronics Mechanic II	68.44	70.84	73.32	75.89	78.55
Electronics Mechanic I	56.79	58.78	60.84	62.97	65.17
Electronics Worker III	42.89	44.39	45.94	47.55	49.21
Electronics Worker II	36.95	38.24	39.58	40.97	42.40
Electronics Worker I	30.65	31.72	32.83	33.98	35.17
Contract Specialist	68.45	70.85	73.33	75.90	78.56
Graphic Artist	67.09	69.44	71.87	74.39	76.99
Technical Illustrator	52.04	53.86	55.75	57.70	59.72

Contractor Site/Off-Site Rates					
Labor Category	Year 6	Year 7	Year 8	Year 9	Year 10
	6/4/2009	6/4/2010	6/4/2011	6/4/2012	6/4/2013
	to 6/3/2010	to 6/3/2011	to 6/3/2012	to 6/3/2013	to 6/3/2014
Program Manager	132.62	137.26	142.06	147.03	152.18
Project Manager	105.31	109.00	112.82	116.77	120.86
Task Manager	98.50	101.95	105.52	109.21	113.03
Subject Matter Expert V	336.03	347.79	359.96	372.56	385.60
Subject Matter Expert IV	273.13	282.69	292.58	302.82	313.42
Subject Matter Expert III	195.75	202.60	209.69	217.03	224.63
Subject Matter Expert II	169.02	174.94	181.06	187.40	193.96
Subject Matter Expert I	134.60	139.31	144.19	149.24	154.46
Administrative Assistant	37.13	38.43	39.78	41.17	42.61
Technical Writer	47.24	48.89	50.60	52.37	54.20
Logistics Engineer V	140.15	145.06	150.14	155.39	160.83
Logistics Engineer IV	129.23	133.75	138.43	143.28	148.29
Logistics Engineer III	114.24	118.24	122.38	126.66	131.09
Logistics Engineer II	93.06	96.32	99.69	103.18	106.79
Logistics Engineer I	74.19	76.79	79.48	82.26	85.14
Mechanical Engineer V	131.94	136.56	141.34	146.29	151.41
Mechanical Engineer IV	121.95	126.22	130.64	135.21	139.94
Mechanical Engineer III	108.99	112.80	116.75	120.84	125.07
Mechanical Engineer II	94.09	97.38	100.79	104.32	107.97
Mechanical Engineer I	81.56	84.41	87.36	90.42	93.58
Electronics Engineer IV	151.72	157.03	162.53	168.22	174.11
Electronics Engineer III	141.29	146.24	151.36	156.66	162.14
Electronics Engineer II	124.53	128.89	133.40	138.07	142.90
Electronics Engineer I	103.81	107.44	111.20	115.09	119.12
Electrical Engineer IV	132.61	137.25	142.05	147.02	152.17
Electrical Engineer III	117.35	121.46	125.71	130.11	134.66
Electrical Engineer II	99.16	102.63	106.22	109.94	113.79
Electrical Engineer I	83.74	86.67	89.70	92.84	96.09
Systems Engineer V	150.29	155.55	160.99	166.62	172.45
Systems Engineer IV	136.90	141.69	146.65	151.78	157.09
Systems Engineer III	121.23	125.47	129.86	134.41	139.11
Systems Engineer II	104.33	107.98	111.76	115.67	119.72
Systems Engineer I	90.61	93.78	97.06	100.46	103.98
Project Analyst IV	98.23	101.67	105.23	108.91	112.72
Project Analyst III	87.11	90.16	93.32	96.59	99.97
Project Analyst II	73.55	76.12	78.78	81.54	84.39
Project Analyst I	61.99	64.16	66.41	68.73	71.14
Drafter IV	77.79	80.51	83.33	86.25	89.27
Drafter III	70.57	73.04	75.60	78.25	80.99
Drafter II	59.30	61.38	63.53	65.75	68.05
Drafter I	49.44	51.17	52.96	54.81	56.73
Engineering Technician IV	87.84	90.91	94.09	97.38	100.79

<b>Contractor Site/Off-Site Rates</b>					
<b>Labor Category</b>	<b>Year 6</b>	<b>Year 7</b>	<b>Year 8</b>	<b>Year 9</b>	<b>Year 10</b>
	<b>6/4/2009 to 6/3/2010</b>	<b>6/4/2010 to 6/3/2011</b>	<b>6/4/2011 to 6/3/2012</b>	<b>6/4/2012 to 6/3/2013</b>	<b>6/4/2013 to 6/3/2014</b>
Engineering Technician III	81.72	84.58	87.54	90.60	93.77
Engineering Technician II	69.22	71.64	74.15	76.75	79.44
Engineering Technician I	57.00	59.00	61.07	63.21	65.42
Electronics Mechanic III	98.08	101.51	105.06	108.74	112.55
Electronics Mechanic II	82.47	85.36	88.35	91.44	94.64
Electronics Mechanic I	68.43	70.83	73.31	75.88	78.54
Electronics Worker III	51.69	53.50	55.37	57.31	59.32
Electronics Worker II	44.52	46.08	47.69	49.36	51.09
Electronics Worker I	36.95	38.24	39.58	40.97	42.40
Contract Specialist	82.49	85.38	88.37	91.46	94.66
Graphic Artist	80.83	83.66	86.59	89.62	92.76
Technical Illustrator	62.70	64.89	67.16	69.51	71.94