



*Committed to Excellence, Dedicated to Customers*

# GSA

## Federal Supply Service PES Schedule

### Professional Engineering Services

#### Special Item Numbers and Recovery Items

- 871-1RC - Strategic Planning for Technology Programs/Activities
- 871-2RC - Concept Development and Requirements Analysis
- 871-3RC - System Design, Engineering, and Integration
- 871-4RC - Test and Evaluation
- 871-5RC - Integrated Logistic Support
- 871-6RC - Acquisition and Life Cycle Management

#### Primary Engineering Disciplines

- 871-1 - Civil and Chemical Engineering
- 871-2 - Civil, Mechanical, Electrical, and Chemical Engineering
- 871-3 - Civil, Mechanical, Electrical, and Chemical Engineering
- 871-4 - Civil, Mechanical, Electrical, and Chemical Engineering
- 871-5 - Civil, Mechanical, Electrical, and Chemical Engineering
- 871-6 - Civil, Mechanical, and Electrical Engineering

Contract Number: GS-23F-0114J

Period Covered by Contract: October 9, 2009–October 8, 2014

General Services Administration



**THE COLUMBIA GROUP**  
1201 M Street SE, Suite 010  
Washington, DC 20003

Phone: (202) 546-1435  
Fax: (202) 546-0865  
Email: [tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)  
URL: [www.columbiagroup.com](http://www.columbiagroup.com)

# GENERAL SERVICES ADMINISTRATION

## *Federal Supply Schedule* Authorized Federal Supply Schedule Pricelist

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

Schedule for – Professional Engineering Services

Federal Supply Class: 8711

Contract Number: GS-23F-0114J

Contract Period: October 9, 2009 Contract End Date: October 8, 2014

**Contractor:** The Columbia Group  
1201 M Street SE, Suite 010  
Washington, DC 20003

**Business Size:** Large  
**DUNS Number:** 05-441-9957

**Telephone:** (202) 546-1435

**FAX Number:** (202) 546-0865

**Email:** [tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)

**Contract Administration:** Jeffrey Beckner, Director, Contracts

## CUSTOMER INFORMATION

1a. Table of Awarded Special Item Number(s) SINS and Primary Engineering Disciplines (PEDs) with appropriate cross-reference to page number(s). (Attach separate sheet if necessary).

### Special Item Numbers (SINs)

871-1 (RC) Strategic Planning for Technology Programs/Activities  
871-2 (RC) Concept Development and Requirements Analysis  
871-3 (RC) System Design, Engineering, and Integration  
871-4 (RC) Test and Evaluation  
871-5 (RC) Integrated Logistic Support  
871-6 (RC) Acquisition and Life Cycle

### Primary Engineering Disciplines (PEDs)

871-1 Civil and Chemical Engineering  
871-2 Civil, Mechanical, Electrical, and Chemical Engineering  
871-3 Civil, Mechanical, Electrical, and Chemical Engineering  
871-4 Civil, Mechanical, Electrical, and Chemical Engineering  
871-5 Civil, Mechanical, Electrical, and Chemical Engineering  
871-6 Civil, Mechanical, and Electrical Engineering

2. **Maximum Order Limitation:** \$750,000.00

3. **Minimum Order:** \$100.00

4. **Geographic Coverage (Delivery Area):** 48 Contiguous States and Overseas

5. **Point(s) of Production (city, county, and state or foreign country):** N/A

6. **Discount from list prices or statement of net price:** 3% GSA Discount

7. **Other Discounts:** N/A

## CUSTOMER INFORMATION

(continued)

- 8. Prompt Payment Terms:** Net 30 Days
- 9a. Notification that Government purchase cards are accepted below the micropurchase threshold:** Yes
- 9b. Notification that Government purchase cards are accepted or are not accepted above the micropurchase threshold:** Yes
- 10. Foreign items:** None
- 11a. Time of Delivery:** 30 Days
- 11b. Urgent Requirements:** Contact Contractor's Representative to effect faster delivery
- 12. F.O.B.:** Destination
- 13. Ordering Address:** The Columbia Group  
Attn: Jeffrey Beckner  
1201 M Street SE, Suite 010  
Washington, DC 20003
- 14. Payment Address:** The Columbia Group  
1201 M Street SE, Suite 010  
Washington, DC 20003
- 15. Warranty provision:** N/A
- 16. Terms and conditions of Government purchase card acceptance (any thresholds above the micropurchase level):** None
- 17. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** Yes
- 18. All deliveries will be Section 508 compliant, EIT standards can be found at [www.Section508.gov](http://www.Section508.gov)**
- 19. Data Universal Number System (DUNS) Number:** 05-441-9957
- 20. Notification regarding registration in Central Contractor Registration (CCR) database:** 3D060
- 21. Both Firm-Fixed Price and Time and Materials Task Orders are acceptable under this contract.**
- 22. Same prices and labor categories apply to all SINS.**

## **SCHEDULE OF ITEMS**

**Note:** Architect-Engineering (A/E) Services as that term is defined in [FAR 36.601-3](#) are excluded from the PES Schedule. If the agency's statement of work, substantially or to a dominant extent, specifies performance or approval by a registered licensed architect or engineer for services related to real property, the Brooks Architect-Engineers Act applies and such services must be procured in accordance with FAR Part 36. Use of this schedule for Brooks Act architectural or engineering services is not authorized. Inappropriate use of these SINs is providing professional engineering services not specifically related to strategic planning for technology programs/activities and associated disciplines.

### **871-1: STRATEGIC PLANNING FOR TECHNOLOGY PROGRAMS/ACTIVITIES**

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.

### **871-2: CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS**

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.

**871-3: SYSTEM DESIGN, ENGINEERING AND INTEGRATION**

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.

**871-4: TEST AND EVALUATION**

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.

**871-5: INTEGRATED LOGISTICS SUPPORT**

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.

**871-6: ACQUISITION AND LIFE CYCLE MANAGEMENT**

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.

The following non-inclusive list represents a sampling of the types of engineering tasks contemplated:

- ◆ Acquisition And Life Cycle Management
- ◆ Analysis Of Program Goals, Mission, Objectives, Performance
- ◆ Assessment Support
- ◆ Computer Aided Design (CAD)
- ◆ Computer Aided Engineering (CAE)
- ◆ Computer Aided Management (CAM)
- ◆ Concept Development
- ◆ Configuration Management and Document Control
- ◆ Cost Benefit Analysis
- ◆ Cost Estimating
- ◆ D&D (Decontamination And Decommissioning)
- ◆ Demonstration And Validation
- ◆ Design Studies and Analysis
- ◆ Documentation And Information Dissemination
- ◆ Economic/Business Case Analysis
- ◆ Economic Impact Evaluations
- ◆ Education/Training
- ◆ Engineering Management
- ◆ Environmental Control For Electrical Units (E.G., Cooling Units)
- ◆ Environmental, Safety and Health Engineering
- ◆ Forensic Engineering
- ◆ Heating, Ventilation and Air Conditioning
- ◆ Hull, Mechanical, Electrical and Electronic Systems and Equipment Design and Engineering
- ◆ Human Systems Integration
- ◆ Independent Verification And Validation (IV&V)
- ◆ Information Services (Studies, Impact Statements, Program Development, Project Documentation, Data Collection, Data Analysis/Evaluation, Etc.)
- ◆ Instrumentation
- ◆ Integration
- ◆ Investigative Engineering Service
- ◆ Life Cycle Costing

- ◆ Logistics
- ◆ Long-Term Reliability And Maintainability
- ◆ Materials Science and Engineering
- ◆ Migration Strategy
- ◆ Naval Architecture and Marine Engineering
- ◆ National Academy Of Sciences Studies
- ◆ O&M (Operation And Maintenance)
- ◆ Operations Research (Non R&D)
- ◆ Permitting And Licensing
- ◆ Plan, Organize, Establish, Implement, Manage, Maintain, Upgrade And Control Of Technical Systems
- ◆ Privatization
- ◆ Program And Project Management
- ◆ Prototype Development And First Article(S) Production
- ◆ Radar/Sonar
- ◆ Regulatory Compliance Support
- ◆ Requirements Analysis and Definition
- ◆ Reliability And Maintainability Analysis
- ◆ Reverse Engineering
- ◆ Risk Analysis
- ◆ Signal Processing
- ◆ Simulation And Modeling
- ◆ Site Development
- ◆ Source Data Development (Forward Engineering Hardware And Software Systems)
- ◆ Source Data Validation (Existing Hardware And Software Systems)
- ◆ Special Projects And Studies
- ◆ Specifications Preparation
- ◆ Statistical Analysis
- ◆ Support Services
- ◆ Systems Engineering Data Base Development, Maintenance, And Analysis
- ◆ Technical Analysis
- ◆ Technical And Management Support
- ◆ Technical Writing/Editorial Support
- ◆ T&E (Test And Evaluation) Of Products And Systems

- ◆ Trade-Off Studies
- ◆ Training
- ◆ Quality Assurance

## PRIMARY ENGINEERING DISCIPLINES

### CIVIL ENGINEERING

It includes, but is not limited to, planning, evaluation, operations, production, furnishing, construction, alteration, repair, processing or assembling of vessels, aircraft, or other kinds of personal property, including heating, ventilation and air-conditioning for such vessels and/or aircraft.

Within the civil engineering discipline, there are several specialties within the scope of this work; a partial listing follows:

- |   |   |   |
|---|---|---|
| ✓ Geotechnical                                  | ✓ Floating Dock Analysis  | ✓ Construction Management*  |
| ✓ Marine Vehicle Structural Design and Analysis | ✓ Finite Element Analysis Techniques  | ✓ Intermodal Transportation and material Handling Facilities Analysis |
| ✓ Shipbuilding Launch                           | ✓ Surveying<br><b>NOTE:</b> Surveying as it relates to real property is <b>not</b> appropriate nor is it solicited under this schedule. |   |

\* If the agency determines the work is substantially or to a dominant extent architectural or engineering services as defined by the [Brooks Architect-Engineers Act, FAR 36](#) procedures must be used. Conversely, if the agency determines that a construction contractor should perform the services, this schedule may be used to procure construction management services under SIN 871-6.

## **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.).

Within the electrical engineering discipline, there are several specialties within the scope of this work; a partial listing follows:

- |   |                                      |  |
|---|--------------------------------------|--|
| ✓ Aerospace and Electronic Systems                  | ✓ Antennas and Propagation           | ✓ Broadcast Technology                                   |
| ✓ Circuits and Systems                              | ✓ Communications                     | ✓ Components Packaging, and Manufacturing Technology     |
| ✓ Computer*   | ✓ Consumer Electronics               | ✓ Control Systems  |
| ✓ Dielectrics and Electrical Insulation             | ✓ Education                          | ✓ Electromagnetic Compatibility                          |
| ✓ Geoscience & Remote Sensing                       | ✓ Engineering Management             | ✓ Engineering in Medicine and Biology                    |
| ✓ Information Theory                                | ✓ Industrial Electronics             | ✓ Industry Applications                                  |
| ✓ Lasers & Electro-Optics                           | ✓ Intelligent Transportation Systems | ✓ Instrumentation and Measurement                        |
| ✓ Nuclear and Plasma Sciences                       | ✓ Magnetics                          | ✓ Microwave Theory and Techniques                        |
| ✓ Power Electronics                                 | ✓ Neural Networks Council            | ✓ Oceanic Engineering                                    |
| ✓ Reliability                                       | ✓ Power Engineering                  | ✓ Professional Communication                             |
| ✓ Solid-State Circuits                              | ✓ Robotics & Automation              | ✓ Cathodic Protection Systems Design                     |
| ✓ Vehicular Technology                              | ✓ Systems, Man, and Cybernetics      | ✓ Signal Processing on Social Implications of Technology |
| ✓ Ultrasonic, Ferroelectrics, and Frequency Control | ✓ Electric Plant Load Analysis       | ✓ Electrical One-Line Diagram                            |
| ✓ Protective Device Coordination                    | ✓ Fault Current Analysis             | ✓ Voltage Dip/Drop Calculations                          |
| ✓ Integrated Electric Plant Design                  | ✓ Lighting System Design             |  |

## **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.).

Within the mechanical engineering discipline, there are several specialties within the scope of this work; a partial listing follows:

- |  |  |   |
|--|--|---|
| ✓ ASME K16-Heat Transfer   | ✓ Advanced Energy Systems                | ✓ Aerospace Engineering                             |
| ✓ Applied Mechanics  | ✓ Bioengineering                         | ✓ Tribology   |
| ✓ Dynamic Systems and Control                                      | ✓ Electrical and Electronic Packaging    | ✓ Fluids Engineering                                |
| ✓ Fluids Power Systems and Technology Systems                      | ✓ Fuels and Combustion Technologies      | ✓ Heat Transfer                                     |
| ✓ Materials  |  | ✓ International Gas Turbine                         |
| ✓ Management   | ✓ Manufacturing Engineering *            | ✓ Microchannel flow and heat transfer               |
| ✓ Nuclear Engineering  | ✓ Internal Combustion Engineering        | ✓ Noise Control and Acoustics                       |
| ✓ Offshore Mechanics and Arctic Engineering                        | ✓ Materials Handling Engineering*        | ✓ Design/Specification-associated personal property |
| ✓ Power  | ✓ Textile Engineering                    | ✓ Ocean Engineering                                 |
| ✓ Rail Transportation  | ✓ Non-Destructive Evaluation Engineering | ✓ Process Industries                                |
| ✓ Technology and Society   | ✓ Pressure Vessels and Piping            | ✓ Solar Energy                                      |
| ✓ Naval Architecture   | ✓ Safety Engineering and Risk Analysis   | ✓ Reverse Engineering                               |
| ✓ Marine Engineering   |  | ✓ Advanced Materials                                |
| ✓ Shock, Reliability, Maintainability and Availability Engineering |  |   |
| ✓ Laboratory, Factory, Installation and Acceptance Testing         |  |   |

## **CHEMICAL ENGINEERING**

Planning, development, evaluation and operation of chemical, biochemical or physical plants and processes. Changes in composition, energy content, state of aggregation of materials, forces that act on matter, and relationships are examined and new and conventional chemical materials, products and processes are produced and/or manufactured. It includes, but is not limited to, planning, evaluating or operation of chemical plants and petroleum refineries, pollution control systems, biochemical processes, plastics, pharmaceuticals, fibers; analysis of chemical reactions that take place in mixtures; determination of methodologies for the systematic design, control and analysis of processes, evaluating economics, safety, etc.

Within the chemical engineering discipline, there are several specialties within the scope of this work; a partial listing follows:

- |   |   |   |
|---|---|---|
| ✓ Environmental Control                 | ✓ Air and Water Quality   | ✓ Hazardous / Toxic Materials                       |
| ✓ Metallic and Non-Metallic Materials   | ✓ Textiles  | ✓ Electrochemistry                                  |
| ✓ Fuels and Lubricants                  | ✓ Paint Systems & Coatings  | ✓ Bio-fouling remediation and environmental effects |
| ✓ Tribology                             | ✓ Corrosion Science & Engineering   | ✓ Safety engineering                                |
| ✓ Bioengineering                        | ✓ Standards and Specifications  | ✓ Electronic Components & Chemicals                 |
| ✓ Thermal, Fire and Acoustic Insulation | ✓ Other Chemical Engineering Specialties not listed in the —Services not Included Paragraph |   |
| ✓ Rubbers, Plastics and Composites      |   |   |

## **Labor Category Qualifications**

### **Engineering Consultant**

Engineering Consultants are highly specialized individuals required to analyze and provide advice in support of unique, complex engineering problems being addressed on the contract, in most situations in conjunction with other labor categories being provided under the contract. Level A requires a Masters Degree or equivalent in engineering or an associated physical science and twenty (20) years experience, as well as, recognition as an expert in the type of engineering activity involved. Level B requires a Masters Degree or equivalent and fifteen (15) years experience. Level C requires a Bachelors Degree or equivalent in engineering or an associated physical science and ten (10) years experience.

### **Subject Matter Expert**

Provides expert support to a functional area requiring technical expertise. Provides the highest level of expertise, include advanced and comprehensive knowledge of methods, practices and technical disciplines. Expertise is based on the business of the customer. Develops technical strategies, provides strategic direction, interacts with senior management to conduct business needs analyses, conducts cost benefit and feasibility studies and helps prioritize effort in complex and critical projects. Conducts project audits and assessments during program execution to make sure the technical approach meets the customer's needs.

Master's Degree and sixteen (16) years of experience or Bachelor's Degree and twenty (20) years experience

### **Staff Engineering Specialists**

Advanced degree or equivalent. Engineers must have degree in engineering or engineering technology in a field appropriate to the primary engineering discipline (PED). Analysts and logisticians must have a scientific or business degree appropriate for the area of work. Professional experience according to the grade level. All must have peer recognition as an expert in field of activity through active participation in professional associations and writing of technical publications. Level A requires twenty (20) years experience; Level B requires fifteen (15) years experience; and Level C requires ten (10) years experience. Eight (8) additional years of experience can be substituted for the degree requirement.

**Specialist Engineer/Scientist**

Performs professional work in either research, development, design, testing, systems analysis, production, construction, maintenance, operation, planning, estimating, budgeting, or standardization of engineering facilities, systems, processes, equipment, devices, materials, requiring knowledge of the science and art by which materials, resources, and power are made useful.

Level A requires a Bachelor's Degree in Engineering or Science and fifteen (15) years experience or a Master's Degree in Engineering or Science and eleven (11) years experience. Level B requires a Bachelor's Degree in Engineering or Science and ten (10) years experience or a Master's Degree in Engineering or Science and six (6) years experience.

**Acquisition Logistics Analyst**

Performs acquisition and/or logistics analysis work that is intellectual in nature. Work performance requires the ability to accomplish complex tasking. Individuals in this labor category should be at the supervisory level. Leads supply operations, purchasing, property management, warehousing and distribution, information systems support, traffic management, freight movement, and/or passenger movements; supports customer service operations; directs activities of other supporting personnel in performance of assigned tasks;

Level A requires a Bachelor's degree plus ten (10) years experience or a Master's degree plus (6) years experience. Level B requires a Bachelor's degree plus six (6) years of experience or a Master's degree plus four (4) years experience.

**Senior Engineer/Analyst**

Bachelors degree or equivalent. Engineers must have degree in engineering or engineering technology in a field appropriate to the primary engineering discipline (PED). Analysts and logisticians must have a scientific or business degree appropriate for the area of work. Professional experience according to the grade level. All must have demonstrated ability to manage a project, or major task thereof, or to provide expert technical input to a program. Level A requires twelve (12) years experience; Level B requires ten (10) years experience; Level C requires eight (8) years experience; and Level D requires six (6) years experience. Eight (8) additional years of experience can be substituted for the degree requirement.

**System Engineer/Analyst**

Bachelors degree or equivalent. Engineers must have degree in engineering or engineering technology in a field appropriate to the primary engineering discipline (PED). Analysts and logisticians must have a scientific or business degree appropriate for the area of work. Professional experience according to the grade level. All must have demonstrated ability to participate in project activity at the supervisory or individual level. Level A requires eight (8) years experience; Level B requires six (6) years experience; and Level C requires four (4) years experience. Eight (8) additional years of experience can be substituted for the degree requirement.

**Project Engineer/Analyst**

Bachelors degree or equivalent. Engineers must have degree in engineering or engineering technology in a field appropriate to the primary engineering discipline (PED). Analysts and logisticians must have a scientific or business degree appropriate for the area of work. Professional experience according to the grade level. Demonstrated ability to participate in supervised project activity. Level A requires two (2) years experience. Level B includes entry level personnel with no experience. Eight (8) additional years of experience can be substituted for the degree requirement.

**Senior Engineering Technician**

Requires a high school diploma or GED plus specialized training and ten (10) years experience. Must provide a demonstrated ability to support engineering projects.

**Engineering Technician**

High school diploma or GED. Specialized training or experience and demonstrated ability to support engineering projects.

**Draftsman/Illustrator**

Level A requires a high school diploma or GED and ten (10) years experience or an Associates degree and three (3) years experience. Specialized training or experience and demonstrated ability in the field of drafting, technical illustration, artwork, and publications. Draftsmen/Illustrator must have experience with Computer Aided Drafting (CAD) software, such as AutoCAD, CADMate, etc.”

Level B requires a high school diploma or GED and six (6) years experience or an Associates degree and two (2) years experience

**Administrative Assistant**

High school diploma or GED. Demonstrated ability and skills in the secretarial field. Minimum typing speed of sixty (60) words per minute with acceptable accuracy. Familiarity with usual office equipment and procedures. Experience with the MS Office Suite. Experience according to the grade level. Requires eight (8) years experience.

**MANUFACTURING TRADES****Fiberglass Worker**

Journeyman level of competence and a minimum of three years experience in the application of fiberglass construction to naval craft and components.

**Welder**

Level A - A minimum of ten (10) years experience or Trade School and six (6) years experience in welding, as well as valid certifications.

Level B - Journeyman level of competence. A minimum of three (3) years experience in welding and valid certifications

**Electronics Assembler**

Journeyman level of competence. A minimum of three (3) years experience in the assembly of electronic components as well valid soldering certifications.

**CNC Machinist**

Technical or apprentice school graduate with a minimum of six (6) years experience with Computer Numerical Controlled (CNC) machines.

**Quality Control Technician**

Journeyman level of competence. A minimum of three (3) years experience in machining.

**Machinist**

Journeyman level of competence. A minimum of three (3) years experience in machining.

**Fabricator**

Trade School and one (1) year experience or eight (8) years experience in the fabrication.

**Laborer**

No minimum experience required, Laborer is an entry level manufacturing position

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Contract No.: GS-23F-0114J  
SINs 871-1,2,3,4,5,6  
(Recovery Purchasing) 871-1(RC), 871-2(RC),  
871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)

The Columbia Group  
1201 M Street SE, Suite 010  
Washington, DC 20003

Point of Contact:  
Telephone:  
Facsimile:  
Email address:

Jeffrey Beckner, Director, Contracts  
(202) 546-1435  
(202) 546-0865  
[tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)

Period of Performance: 09 October 2009 to 08 October 2010  
Year 11

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Engineering Consultant A	\$ 190.65
Engineering Consultant B	148.81
Engineering Consultant C	96.50
Subject Matter Expert	158.25
Staff Engineering Specialist A	148.15
Staff Engineering Specialist B	114.83
Staff Engineering Specialist C	91.14
Specialist Engineer/Scientist A	138.96
Specialist Engineer/Scientist B	120.15
Acquisition Logistics Analyst A	129.29
Acquisition Logistics Analyst B	91.44
Senior Engineering/Analyst A	83.24
Senior Engineering/Analyst B	70.62
Senior Engineering/Analyst C	63.06
Senior Engineering/Analyst D	59.27
Systems Engineer/Analyst A	54.22
Systems Engineer/Analyst B	50.44
Systems Engineer/Analyst C	42.88
Project Engineer/Analyst A	40.60
Project Engineer/Analyst B	38.68
Sr. Engineering Technician*	90.61
Engineering Technician*	46.67
Draftsman/Illustrator A*	88.28
Draftsman/Illustrator B*	64.52
Administrative Assistant A*	51.71

## Manufacturing Trades

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Fiberglass Worker*	61.80
Welder A*	61.49
Welder B*	42.69
Electronic Assembler*	49.17
CNC Machinist*	61.37
Machinist*	44.14
Quality Control Technician*	40.35
Fabricator*	59.66
Laborer*	30.27

\* Indicates SCA eligible categories

Professional Engineering Schedule  
 Contract No.: GS-23F-0114J  
 SINS 871-1,2,3,4,5,6  
 (Recovery Purchasing) 871-1(RC), 871-2(RC),  
 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)

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Point of Contact:  
 Telephone:  
 Facsimile:  
 Email address:

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[tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)

Period of Performance: 09 October 2010 to 08 October 2011  
 Year 12

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Engineering Consultant A	\$ 196.75
Engineering Consultant B	153.57
Engineering Consultant C	99.59
Subject Matter Expert	163.32
Staff Engineering Specialist A	152.89
Staff Engineering Specialist B	118.50
Staff Engineering Specialist C	94.06
Specialist Engineer/Scientist A	143.41
Specialist Engineer/Scientist B	123.99
Acquisition Logistics Analyst A	133.43
Acquisition Logistics Analyst B	94.36
Senior Engineering/Analyst A	85.90
Senior Engineering/Analyst B	72.88
Senior Engineering/Analyst C	65.08
Senior Engineering/Analyst D	61.17
Systems Engineer/Analyst A	55.96
Systems Engineer/Analyst B	52.05
Systems Engineer/Analyst C	44.25
Project Engineer/Analyst A	41.90
Project Engineer/Analyst B	39.92
Sr. Engineering Technician*	93.51
Engineering Technician*	48.16
Draftsman/Illustrator A*	91.10
Draftsman/Illustrator B*	66.59
Administrative Assistant A*	53.36

## Manufacturing Trades

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Fiberglass Worker*	63.78
Welder A*	63.45
Welder B*	44.06
Electronic Assembler*	50.74
CNC Machinist*	63.33
Machinist*	45.55
Quality Control Technician*	41.64
Fabricator*	61.57
Laborer*	31.24

\* Indicates SCA eligible categories

Professional Engineering Schedule  
 Contract No.: GS-23F-0114J  
 SINs 871-1,2,3,4,5,6  
 (Recovery Purchasing) 871-1(RC), 871-2(RC),  
 871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)

The Columbia Group  
 1201 M Street SE, Suite 010  
 Washington, DC 20003

Point of Contact:  
 Telephone:  
 Facsimile:  
 Email address:

Jeffrey Beckner, Director, Contracts  
 (202) 546-1435  
 (202) 546-0865  
[tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)

Period of Performance: 09 October 2011 to 08 October 2012  
 Year 13

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Engineering Consultant A	\$ 203.05
Engineering Consultant B	158.49
Engineering Consultant C	102.77
Subject Matter Expert	168.54
Staff Engineering Specialist A	157.78
Staff Engineering Specialist B	122.30
Staff Engineering Specialist C	97.07
Specialist Engineer/Scientist A	148.00
Specialist Engineer/Scientist B	127.96
Acquisition Logistics Analyst A	137.70
Acquisition Logistics Analyst B	97.38
Senior Engineering/Analyst A	88.65
Senior Engineering/Analyst B	75.21
Senior Engineering/Analyst C	67.16
Senior Engineering/Analyst D	63.12
Systems Engineer/Analyst A	57.75
Systems Engineer/Analyst B	53.72
Systems Engineer/Analyst C	45.67
Project Engineer/Analyst A	43.24
Project Engineer/Analyst B	41.20
Sr. Engineering Technician*	96.50
Engineering Technician*	49.70
Draftsman/Illustrator A*	94.02
Draftsman/Illustrator B*	68.72
Administrative Assistant A*	55.07

## Manufacturing Trades

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Fiberglass Worker*	65.82
Welder A*	65.48
Welder B*	45.47
Electronic Assembler*	52.37
CNC Machinist*	65.36
Machinist*	47.01
Quality Control Technician*	42.97
Fabricator*	63.54
Laborer*	32.24

\* Indicates SCA eligible categories

Professional Engineering Schedule  
Contract No.: GS-23F-0114J  
SINs 871-1,2,3,4,5,6  
(Recovery Purchasing) 871-1(RC), 871-2(RC),  
871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)

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Period of Performance: 09 October 2012 to 08 October 2013  
Year 14

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Engineering Consultant A	\$ 209.54
Engineering Consultant B	163.57
Engineering Consultant C	106.05
Subject Matter Expert	173.94
Staff Engineering Specialist A	162.83
Staff Engineering Specialist B	126.22
Staff Engineering Specialist C	100.17
Specialist Engineer/Scientist A	152.73
Specialist Engineer/Scientist B	132.05
Acquisition Logistics Analyst A	142.10
Acquisition Logistics Analyst B	100.50
Senior Engineering/Analyst A	91.49
Senior Engineering/Analyst B	77.62
Senior Engineering/Analyst C	69.31
Senior Engineering/Analyst D	65.14
Systems Engineer/Analyst A	59.59
Systems Engineer/Analyst B	55.44
Systems Engineer/Analyst C	47.13
Project Engineer/Analyst A	44.62
Project Engineer/Analyst B	42.51
Sr. Engineering Technician*	99.59
Engineering Technician*	51.30
Draftsman/Illustrator A*	97.03
Draftsman/Illustrator B*	70.93
Administrative Assistant A*	56.83

## Manufacturing Trades

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Fiberglass Worker*	67.92
Welder A*	67.57
Welder B*	46.92
Electronic Assembler*	54.05
CNC Machinist*	67.45
Machinist*	48.51
Quality Control Technician*	44.35
Fabricator*	65.57
Laborer*	33.27

\* Indicates SCA eligible categories

Professional Engineering Schedule  
Contract No.: GS-23F-0114J  
SINs 871-1,2,3,4,5,6  
(Recovery Purchasing) 871-1(RC), 871-2(RC),  
871-3(RC), 871-4(RC), 871-5(RC), 871-6(RC)

The Columbia Group  
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Washington, DC 20003

Point of Contact:  
Telephone:  
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(202) 546-0865  
[tcgcontracts@columbiagroup.com](mailto:tcgcontracts@columbiagroup.com)

Period of Performance: 09 October 2013 to 08 October 2014  
Year 15

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Engineering Consultant A	\$ 216.25
Engineering Consultant B	168.80
Engineering Consultant C	109.45
Subject Matter Expert	179.50
Staff Engineering Specialist A	168.04
Staff Engineering Specialist B	130.26
Staff Engineering Specialist C	103.38
Specialist Engineer/Scientist A	157.62
Specialist Engineer/Scientist B	136.28
Acquisition Logistics Analyst A	146.65
Acquisition Logistics Analyst B	103.71
Senior Engineering/Analyst A	94.42
Senior Engineering/Analyst B	80.10
Senior Engineering/Analyst C	71.53
Senior Engineering/Analyst D	67.22
Systems Engineer/Analyst A	61.50
Systems Engineer/Analyst B	57.21
Systems Engineer/Analyst C	48.64
Project Engineer/Analyst A	46.05
Project Engineer/Analyst B	43.87
Sr. Engineering Technician*	102.78
Engineering Technician*	52.94
Draftsman/Illustrator A*	100.13
Draftsman/Illustrator B*	73.20
Administrative Assistant A*	58.65

## Manufacturing Trades

<b>Labor Category Classifications</b>	<b>Hourly Rate</b>
Fiberglass Worker*	70.10
Welder A*	69.73
Welder B*	48.42
Electronic Assembler*	55.78
CNC Machinist*	69.61
Machinist*	50.07
Quality Control Technician*	45.77
Fabricator*	67.67
Laborer*	34.33

\* Indicates SCA eligible categories