

GENERAL SERVICES ADMINISTRATION

Federal Supply Service
Authorized Federal Supply Schedule Price List

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

**FEDERAL SUPPLY SCHEDULE (FSS) FOR
PROFESSIONAL ENGINEERING SERVICES (PES)**

Federal Supply Group: 871, Class: R425



STG, Inc.

11710 Plaza America Drive, Suite 1200
Reston, Virginia 20190

Telephone: (703) 691-2480
FAX: (703) 691-3467
e-mail: pes@stginc.com

Contract Number: GS-10F-0128T

Contract Period: January 31, 2007 through January 30, 2012
Business Size: Certified Small Business in SIC/NAICS codes under 1,500
employees, Large (all other)

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

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I. CUSTOMER INFORMATION

1. Special Item Numbers (SINs)

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

2. Professional Engineering Disciplines (PEDs)

Chemical, Civil, Electrical and Mechanical disciplines

3. Labor Categories and Pricing

Awarded labor categories descriptions for Government Site and Contractor Site are applicable to SINs 871-1 through 871-6, Chemical, Civil, Electrical and Mechanical PEDs. Labor Category descriptions and qualifications begin at Page 19.

Prices for Base and Option periods for both Client Site and Contractor Site performance. All prices are Net. Pricing begin at Page 27

4. Ordering Address and Payment Information

All orders placed under this schedule may be addressed to the following:

Company: STG, Inc.
Address 1: 11710 Plaza America Drive
Address 2: Suite 1200
Address 3: Reston, VA 20190
Telephone No: (703) 691-2480
Facsimile No: (703) 691-3261
Attention: Mr. Tom Gallagher, Vice President, Contracts

All payments placed for order under this order may be addressed to the following:

Company: STG, Inc.
Address 1: 11710 Plaza America Drive
Address 2: Suite 1200
Address 3: Reston, VA 20190
Telephone No: (703) 691-2480
Facsimile No: (703) 691-3261
Attention: Accounts Receivable

STG will accept the Government purchase credit card for payments equal to or less than the micro-purchase threshold for purchases. Government purchase cards will be acceptable for payment above the micro-purchase threshold. Discounts are not applicable

for use of any credit cards. In addition, bank account information for electronic fund transfers will be shown on the invoice.

The following Points of Contact are available for ordering agencies to obtain technical information and/or ordering assistance:

Name	Title	Telephone #	Extension
Thomas Gallagher	Vice President, Contracts	(703) 691-2480	211

5. Statistical Data for Government Ordering Office

DUNS: 78-0414652
 Business Size: Determined by SIC/NAICS code on the individual delivery/task order

6. Type of Contract

At the ordering agency’s determination, task orders issued against will provide for Firm Fixed Price (FFP) with or without performance incentives in accordance with clause I-FSS-60, Performance Incentives, Fixed Price/Labor Hour (FP/LH), Labor Hour (L/H) and/or Time and Material (T&M) orders as stated in FAR Part 16.601.

7. Invoicing and Payments

All payments by the Government shall be made by Government purchase credit card or Electronic Funds Transfer (EFT) IAW FAR clauses 52.232-33, Payment by Electronic Funds Transfer – Central Contractor Registration (May 1999) or clause 52.232-34, Payment by Electronic Funds Transfer (EFT) – Other Than Central Contractor Registration (May 1999).

The contractor, upon completion of the work ordered, shall submit invoices for professional engineering services. The ordering office on individual orders may authorize progress payments if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

For firm-fixed price orders the Government shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts (Alternate I (APR 1984)) at FAR 52.232-7 applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts (FEB 1997) (Alternate II (JAN 1986)) at FAR 52.232-7 applies to labor-hour orders placed under this contract.

8. Discounts

Discounts may be offered on specific orders depending on the Statement of Work (SOW), and other pertinent factors. However, discounts are not applied for Prompt Payments, Aggregates or Quantity Volume.

9. Minimum/Maximum Order Per SIN

The following dollar amounts (U.S. currency) are applicable on a per order basis:

Minimum Order - \$100.00
Maximum Order - \$750,000.00

The maximum order as specified above is the suggested re-negotiation point whereby agencies should seek additional concessions if orders exceed this amount.

10. Geographic Scope of Contract

This contract may be used as sources of supplies or services described herein for domestic and/or overseas delivery.

Definitions—

Domestic delivery is delivery within the 48 contiguous United States and Washington, DC; and to a CONUS port or consolidation point for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous United States, and Washington, DC.

This contract may be used on a non-mandatory basis by the following activities: Executive agencies; other Federal agencies, mixed-ownership Government corporations, and the District of Columbia; Government contractors authorized in writing by a Federal agency pursuant to 48 CFR 51.1; and other activities and organizations authorized by statute or regulation to use GSA as a source of supply. U.S. territories are domestic delivery points for purposes of this contract. (Questions regarding activities authorized to use this schedule should be directed to the Contracting Officer.)

- (1) The Contractor is obligated to accept orders received from activities within the Executive Branch of the Federal Government.
- (2) The Contractor is not obligated to accept orders received from activities outside the Executive Branch of the Federal Government; however, the Contractor is encouraged to accept orders from such Federal activities.

11. Labor Hour Recording, Billing, and Tracking System

The contractor possesses an adequate and auditable labor hour recording and invoicing system, capable of fully supporting labor hour invoices or time and material task orders.

12. Contractor Report of Sales

The Contractor shall report the quarterly dollar value (U.S. Dollars and rounded to the nearest whole dollar) of all sales under this contract by calendar quarter IAW clause 552-238-74 – Contractor’s Report of Sales (Sep 1999).

13. Industrial Funding Fee (IFF)

The hourly rates are inclusive of the Industrial Funding Fee. Contractors are required to collect IFF from their ordering customer and remit payment of .75% to GSA on behalf of the customer on a quarterly basis within the terms and conditions as specified in clause 552-238-76, Industrial Funding Fee.

The IFF Point of Contact is:

Name:	Thomas Gallagher
Title:	Vice President, Contracts
Company:	STG, Inc.
Address:	11710 Plaza America Drive, Suite 1200 Reston, Virginia 20190
Telephone:	(703) 691-2480
Facsimile:	(703) 691-3261
Email Address:	tgallagher@stginc.com

14. Incidental Support Costs

Incidental support costs are available outside of the scope of this contract. The costs will be negotiated separately with the ordering agency in accordance with the guidelines as set forth in the FAR.

15. Other Direct Costs (ODCs), Travel, and Travel Related Expenses

ODCs will be determined on a task-by-task basis. Travel cost will be reimbursed IAW the Joint Travel Regulations (JTR) and/or other regulations as applicable. ODCs, other than travel and travel related expenses, will be burdened with the applicable indirect rate.

16. Security Requirements

In the event security requirements are necessary, the ordering activities may incorporate, in their delivery orders, a security clause in accordance with current laws, regulations, and individual agency policy; however, the burden of administering the security requirements shall be with the ordering agency. If any costs are incurred as a result of the

inclusion of security requirements, such costs will not exceed ten percent (10%) or \$100,000, of the total dollar value of the order, whichever is less.

17. Economic Price Adjustment

Price adjustments clause 552.216-70, Economic Price Adjustment – FSS Multiple Award Schedule Contractors (Sep 1999) is not applicable.

18. Subcontracting

Subcontractors may be included on delivery/task orders under the contract labor categories and rates or under open market. The ordering activity may require that the Contractor receive, from the ordering activity’s Contracting Officer, written consent prior to placement of subcontractor(s) on any delivery/task orders.

19. Contractor Team Arrangements

Federal Supply Schedule (FSS) Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to customer agency requirements. The policy and procedures outlined will provide more flexibility and allow innovative acquisition methods when using the Federal Supply Schedules. Participation in contractor team arrangements is limited to FSS contractors, IAW the terms and conditions of the applicable schedule contracts.

20. F.O.B. Destination

F.O.B. shall be in accordance with FAR clause 52.247-34, F.O.B. Destination (Nov 1991).

21. Blanket Purchase Agreements (BPAs)

Blanket Purchase Agreements (BPAs) can reduce costs and save time because individual orders and invoices are not required for each procurement but can be documented on a consolidated basis. The Contractor agrees to enter into BPAs with ordering activities provided that:

- The period of time covered by such agreements shall not exceed the period of the contract including option year period(s).
- Orders placed under such agreements shall be issued IAW all applicable regulations and the terms of the contract.
- BPAs may be established to obtain the maximum discount (lowest net price) available in those schedule contracts containing volume or quantity discounts arrangements.

22. Organizational Conflict of Interest

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational Conflict of Interest” exists when the nature of the work to be performed under a proposed Government contract, without some restriction on activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the Government, ordering offices may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

23. Point(s) of Production (City, County, and State or Foreign Country)

None.

II. ORDERING PROCEDURES FOR SERVICES REQUIRING A STATEMENT OF WORK

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).

GSA has determined that the prices for services contained in the contractor's price list 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.

(a) 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 the 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.
- (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 proposal 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

- (i) Based upon an initial evaluation of catalogs and price lists, 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).
- (ii) The request should be provided to three (3) contractors if the proposed order is estimated to exceed the micro-purchase threshold, but not exceed the maximum order threshold. For proposed orders exceeding the maximum order threshold, the request should be provided to additional contractors that offer services that will meet the agency's needs. 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.)

- (b) 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 multiple BPAs are established, the authorized users must follow the procedures in (a)(2)(ii) above and then place the order with the Schedule contractor 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.)
- (c) 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.
 - (d) 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.)
 - (e) 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.

III. DESCRIPTIONS OF SERVICES

SIN 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.

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 this SIN is providing professional engineering services not specifically related to strategic planning for technology programs/activities and associated disciplines.

SIN 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.

Architect-Engineering 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 or 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 this SIN is providing professional engineering services not specifically related to concept development and requirements analysis and associated disciplines.

SIN 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.

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 or 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 this SIN is providing professional engineering services not specifically related to system design, engineering and integration and associated disciplines.

SIN 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.

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 or 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 this SIN is providing professional engineering services not specifically related to testing and evaluating and associated disciplines.

SIN 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.

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 or 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 this SIN is providing professional engineering services not specifically related to integrated logistics support and associated disciplines.

SIN 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.

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 or 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 this SIN is professional engineering services not specifically related to acquisition and life cycle management and associated disciplines.

IV. PRIMARY ENGINEERING DISCIPLINES (PEDS)

1 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. It includes, but is not limited to, planning, evaluating 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 PED, there are several specialties within the scope of this work; a partial listing follows:

- | | | |
|-------------------|--|----------------------|
| ✓ Refining | ✓ Petrochemicals | ✓ Food |
| ✓ Pharmaceuticals | ✓ Textiles | ✓ Pulp and Paper |
| ✓ Ceramics | ✓ Electronic Components
& Chemicals | ✓ Biotechnology |
| | | ✓ Safety engineering |

2. 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 PED, there are several specialties within the scope of this work; a partial listing follows:

- | | | |
|----------------|--|----------------------------|
| ✓ Geotechnical | ✓ Surveying | ✓ Construction Management* |
| | NOTE: Surveying as it relates to real property is not appropriate nor is it solicited under this schedule. | |

Construction Management Services:

Construction Management Services is a professional services discipline applied to the planning, design, and construction process of capital improvement projects. As provider of professional services to customer agencies, the Construction Manager organizes the effort, develops the management plan, monitors the participants' progress against the plan and identifies action to be taken in the event of deviance from the plan, and identifies actions to be taken in the event of deviance from the plan. The Construction

Manager can be a firm, a team of firms, or an individual. Construction Managers apply and integrate comprehensive project controls to manage the critical issues of time, cost scope, and quality.

Customer agencies shall utilize construction managers as its principal agent to advise on or manage the process over the project regardless of the project delivery method used. The Construction Manager assumes the position of professional adviser or extension of staff to the customer agency. The Construction Manager frequently helps the customer agency identify which delivery method is the best for the project. The construction management approach utilizes a firm (or team of firms) with construction, design and management expertise to temporarily expand the customer agency's capabilities so that the customer agency can successfully accomplish its program or project. The Construction Manager also provides expert advice in support of the customer agency's decisions in the implementation of the project.

The following are some of the tasks to be covered under Construction Management services:

- Recommend most effective use of funds
- Continuous schedule enforcement
- Ensure design complies with budget
- Match construction spending to funds availability
- Enhance control of the scope of work
- Optimal project/program scheduling options
- Best use of individual project team members' expertise
- Maximum avoidance of delays, changes and claims
- Optimal flexibility in contracting/procurement options
- Application and integration of comprehensive project controls
- Design quality assurance throughout the design process
- Consideration of material, systems and process alternatives
- Code compliance review

- * 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.

3. 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 PED, there are several specialties within the scope of this work; a partial listing follows:

- ✓ Aerospace and Electronic Systems
- ✓ Circuits and Systems
- ✓ Computer*
- ✓ Dielectrics and Electrical Insulation
- ✓ Remote Sensing
- ✓ Information Theory
- ✓ Lasers & Electro-Optics
- ✓ Nuclear and Plasma Sciences
- ✓ Power Electronics
- ✓ Reliability
- ✓ Solid-State Circuits
- ✓ Vehicular Technology
- ✓ Signal Processing on Social Implications of Technology
- ✓ Antennas and Propagation
- ✓ Communications
- ✓ Consumer Electronics
- ✓ Education
- ✓ Engineering Management
- ✓ Industrial Electronics
- ✓ Intelligent Transportation Systems
- ✓ Magnetics
- ✓ Neural Networks Council
- ✓ Robotics & Automation
- ✓ Systems, Man, and Cybernetics
- ✓ Ultrasonics, Ferroelectrics, and Frequency Control
- ✓ Broadcast Technology
- ✓ Components Packaging, and Manufacturing Technology
- ✓ Control Systems
- ✓ Electromagnetic Compatibility
- ✓ Industry Applications
- ✓ Instrumentation and Measurement
- ✓ Microwave Theory and Techniques
- ✓ Oceanic Engineering
- ✓ Professional Communication

4. **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 PED, 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 | ✓ Fuels and Combustion Technologies | ✓ Heat Transfer |
| ✓ Systems | ✓ Manufacturing Engineering * | ✓ International Gas Turbine |
| ✓ Materials | ✓ Internal Combustion Engineering | ✓ Microchannel flow and heat transfer |
| ✓ Management | ✓ Materials Handling Engineering* | ✓ Noise Control and Acoustics |
| ✓ Nuclear Engineering | ✓ Textile Engineering | ✓ Design/Specification-associated personal property |
| ✓ Offshore Mechanics and Arctic Engineering | ✓ Non-Destructive Evaluation Engineering | ✓ Ocean Engineering |
| ✓ Power | ✓ Pressure Vessels and Piping | ✓ Process Industries |
| ✓ Rail Transportation | | ✓ Solar Energy |
| ✓ Technology and Society | | ✓ Safety Engineering and Risk Analysis |

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
- D&D (decontamination and decommissioning)
- Demonstration and Validation
- Design/Specifications of engineering nature not associated with real property
- Documentation and Information Dissemination
- Economic/Business case analysis
- Economic impact evaluations
- Education/training
- Environmental control for electrical units (e.g., cooling units)
- Forensic engineering
- 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
- Migration Strategy
- National Academy of Sciences studies
- Operations Research (Non R&D)
- 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
- Reliability and Maintainability Analysis
- Reverse engineering
- Signal processing
- Simulation and modeling
- Source data development (forward engineering hardware and software systems)
- Source data validation (existing hardware and software systems)
- Special projects and studies
- 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

Personnel categories for professional engineering services anticipated include, but are not limited to:

- Administrative
- Consultants
- Documentation specialists
- Economists
- Engineering and technical analysts
- Engineering software developers and analysts
- Engineers
- Information specialists
- Logistics engineers and technical specialists
- Material management engineers and technical specialists
- Operations research specialists

- Project/program analysts/leaders/managers
- Scientists
- Statisticians/mathematicians
- Support
- Technicians
- Trainers
- Writers

V. OUTSOURCING OR PRIVATIZATION OF PROFESSIONAL SERVICES

Task orders may be issued for complete outsourcing or privatization of a single task or any portion of an agency's operations within the scope of the contract. Under this type of an order, the contractor could be expected to provide a wide range of functions including administrative, management and technical. The contractor would be responsible for overall operations including developing a management structure to properly provide the full range of required services; planning, management, direction and supervision of the work activities involved and the personnel performing them; any facilities and/or equipment provided by the government, including the management of facilities and equipment in accordance with the provisions and/or regulations specified in the task order. The individual ordering agency will be responsible for assuring that pertinent governmental guidelines (e.g., OMB Circular A-76) are followed in deciding to use the outsourcing or privatization portion of this schedule.

VI. LABOR CATEGORY DESCRIPTIONS

Notes:

1. For all categories, the term "Degree" may apply to any certificate or diploma earned at an establishment of higher learning. These may include, but are not limited to, Vocational Educational Institutes, Colleges and/or Universities, both publicly and/or privately funded (physical or Online/Virtual).
2. For all categories, a Masters degree may be substituted for 2 years of experience.
3. For all categories, a Doctoral degree may be substituted for an additional 2 years of experience.
4. For all categories, 2 additional years of directly related job experience may be substituted for each year of college.

1. Technical Manager Group

Technical Manager

General Experience: Experience as a technical manager that supports one or more of the phases of engineering that extend from initial strategic technology planning through life cycle management and related engineering services including, but not limited to: Program Management, Project Management, Task Management, Cost Management, Site Management, Project Control, Life Cycle Management, Quality Assurance, Configuration Management, Testing, Documentation, Contract Management, Project Administration, Business Management, Subcontract Management, Budget, Program Analyst, Controller. Duties typically involve responsibility for formulating and enforcing work standards; operating results, in terms of costs, methods, and personnel; project schedules; output products accuracy; performance, and completeness; supervising contractor personnel; and communicating policies, purposes, and goals of the organization to subordinates for such efforts as Engineering Programs, Scientific Studies and Analysis, Logistics Programs or Systems Acquisitions or related programs consistent with Industry and Government practices.

Specialized Experience: (Applicable to Principal, Senior, and Technical Manager levels only.) Professional experience as a technical manager on very complex programs. Possesses experience in planning, organizing, monitoring, controlling, and directing the technical, administrative, financial, contractual, and personnel actions required in the performance of a contract. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. Principal Technical Manager must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Technical Manager				
TECH-010	Technical Lead I		6	
TECH-020	Technical Lead II		8	
TECH-030	Technical Lead III		10	
TECH-110	Technical Manager I	D	3	
TECH-120	Technical Manager II	D	4	
TECH-130	Technical Manager III	D	5-7	
TECH-140	Technical Manager IV	D	8-10	
TECH-210	Senior Technical Manager I	D	5-7	2
TECH-220	Senior Technical Manager II	D	8	2
TECH-230	Senior Technical Manager III	D	9	3
TECH-240	Senior Technical Manager IV	D	10-12	4
TECH-250	Senior Technical Manager V	D	12-15	4
TECH-310	Principal Technical Manager I	D	15-20	6
TECH-320	Principal Technical Manager II	D	20+	8
TECH-410	Task Manager	D	3-5	3
TECH-420	Project Manager	D	5-7	3
TECH-430	Program Manager	D	10-12	4

2. Subject Matter Expert (SME) Group

SME

General Experience: Experience as a professional subject matter expert in one or more of the following disciplines of Chemical, Civil, Electrical, or Mechanical Engineering or sub-disciplines related to them including, but not limited to the following examples: General, Reliability, Maintainability, Safety, Human Factors, Environmental, Logistics, Electrical, Mechanical, Systems, Electronics, Optical, Thermal, Software, Computer, Computer Systems, Aerospace, Instrument/Spacecraft, Geoscience, Calibration/Instrument, Manufacturing, Test (Non-Destructive and Destructive), Specification, Materials, Design, Bio-Engineering, Structural, Materiel/Munitions, Transportation, Geotechnical, Communications, Information Theory, Lasers & Electro Optics, Remote Sensing, Industrial, Engineering Management, EMSEC, Applied Mechanics, Business Management and Processes. Duties typically involve developing of programs and implementing creative and innovative solutions to the customers problems; researching and analyzing customer requirements; applying expert knowledge to determine the accuracy and reasonableness of data; documenting and summarizing results and developing and recommending solutions. Makes high-level decisions and recommendations that may impact the technology strategy and related activities of the organization. Negotiates critical issues with top-level manager of other organizations and agencies. Demonstrates a high degree of creativity and foresight.

Specialized Experience: Professional experience as subject matter expert on very complex programs in one or more of the disciplines or sub-disciplines related to them as described in the General Experience section above. Provides state-of-the-art advice for

concept planning/development, design, integration, test and evaluation and system lifecycle support. Applies expert knowledge of technologies related to their field of expertise; provides technical guidance and management to project leaders and program managers. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. SME must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Subject Matter Expert (SME)				
SME-110	Subject Matter Expert	D	0-4	1
SME-120	Subject Matter Expert	D	4-6	2
SME-210	Senior Subject Matter Expert	D	6	3
SME-220	Senior Subject Matter Expert	D	8	3
SME-230	Senior Subject Matter Expert	D	10	3
SME-310	Principal Subject Matter Expert	D	10	6
SME-320	Principal Subject Matter Expert	D	12	7
SME-330	Principal Subject Matter Expert	D	14	11
SME-410	SME/Consultant I	D	8-10	5
SME-420	SME/Consultant II	D	10-12	8
SME-430	SME/Consultant III	D	15+	12

3. Engineer Group

Engineer

General Experience: Experience as an engineer in one or more of the following disciplines of Chemical, Civil, Electrical, or Mechanical Engineering or sub-disciplines related to them including, but not limited to the following examples: General, Reliability, Maintainability, Safety, Human Factors, Environmental, Logistics, Electrical, Mechanical, Systems, Electronics, Optical, Thermal, Software, Computer, Computer Systems, Aerospace, Instrument/Spacecraft, Geoscience, Instrument/Calibration, Manufacturing, Test (Non-Destructive and Destructive), Specification, Materials, Design, Bio-Engineering, Structural, Materiel/Munitions, Transportation, Geotechnical, Communications, Information Theory, Lasers & Electro Optics, Remote Sensing, Industrial, Engineering Management, EMSEC, Applied Mechanics. Duties typically involve performing engineering services that may include but are not limited to the following: engineering studies and analyses; technology planning; systems architecture development; requirements development; concept development; systems design; system development and integration; test and evaluation; systems operation; construction; control of systems and components; integrated logistics support; modeling and simulation; configuration management; and systems acquisition and life cycle management in compliance with current Industry and Government practices.

Specialized Experience: (Applicable to Principal, Senior, and Engineer levels only.) Professional experience as an engineer on complex programs. If serving as a task leader, must have supervisory experience. Works independently; applies expert knowledge of

state-of-the-art technologies; provides technical guidance and management to project leaders and program managers. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. Principal Engineer must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Engineer				
ENG-010	Engineering Technician I		6-8	
ENG-020	Engineering Technician II		8+	
ENG-030	Engineering Technician III	D	3-4	
ENG-040	Engineering Technician IV	D	4-5	
ENG-050	Engineering Technician V	D	5-7	
ENG-060	Sr. Engineering Technician	D	10-12	
ENG-090	Supervisory Engineering Technician	D	15+	
ENG-110	Engineer I	D	6-7	
ENG-120	Engineer II	D	8-10	
ENG-130	Engineer III	D	11-15	
ENG-140	Engineer IV	D	0-2	1
ENG-150	Engineer V	D	4-6	2
ENG-160	Engineer VI	D	5-7	
ENG-210	Senior Engineer I	D	6	3
ENG-220	Senior Engineer II	D	8	4
ENG-230	Senior Engineer III	D	10	5
ENG-240	Senior Engineer IV	D	10+	
ENG-310	Principal Engineer I	D	10	6
ENG-320	Principal Engineer II	D	12	7
ENG-410	Junior Engineering Analyst	D	0-3	
ENG-420	Engineering Analyst	D	5-7	
ENG-430	Senior Engineering Analyst	D	7-10	4
ENG-450	Principal Engineering Analyst	D	10-12	6

4. Science Group

Scientist

General Experience: Experience as a Scientist or Mathematician in a science or mathematics discipline that supports one or more of the phases of engineering that extend from initial strategic technology planning through life cycle management and related engineering services including, but not limited to: Higher Mathematics, Aerospace Engineering, Astro Physics, Atmospheric, Biology, Chemistry, Electrical Engineering, Earth Sciences, Geology, Hydrology, Mechanical Engineering, Operations Research, Physics, Petroleum Engineering, Information Engineering, Computing Technologies, Communication Technologies, Automation, Telecommunications, Modeling and Simulation, Algorithm Development, Statistical Analysis, in compliance with current Industry and Government practices.

Specialized Experience: (Applicable to Principal, Senior, and Scientist levels only.) Professional experience within their field of specialization. If serving as a task leader, must have supervisory experience. Works independently; applies expert knowledge of state-of-the-art technologies; provides technical guidance and management to project leaders and program managers. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. Principal Scientist must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Science				
SCI-010	Junior Scientist I	D	0-2	1
SCI-020	Junior Scientist II	D	2-4	2
SCI-110	Scientist I	D	4+	3
SCI-120	Scientist II	D	6+	4
SCI-210	Senior Scientist I	D	6	5
SCI-220	Senior Scientist II	D	8	6
SCI-230	Senior Scientist II	D	10	7
SCI-310	Principal Scientist I	D	10-12	6
SCI-320	Principal Scientist II	D	12-14	8
SCI-330	Principal Scientist III	D	15+	8

5. Logistics Group

Logistician

General Experience: Experience as a logistician that supports one or more of the phases of engineering that extend from initial strategic technology planning through life cycle management and related engineering services including, but not limited to: Supply, Fielding, NETT, INET, Training, Transportation, Warehousing, Distribution, Operations Research, Logistics, Administration, Program Control, Logistics Concepts, Provisioning, Budgeting, Depot Systems, Management Planning, MANPRINT, CE Equipment, Military Programs Management, Maintenance, Configuration Management, Quality Assurance, Testing, IV&V, Instructor, Material Management, Production Coordination, and Fabrication. Must analyze, recommend approaches, and plan for the delivery of the necessary logistics elements in compliance with Industry and Government practices.

Specialized Experience: (Applicable to Principal, Senior, and Logistician levels only.) Professional experience as lead logistician on very complex programs. Works independently; applies expert knowledge to reduce cost and level-of-effort; provides technical guidance to project leaders and program managers. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. Principal Logistician must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
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Logistics				
LOG-010	Junior Logistician II	D	0-2	
LOG-110	Logistician I	D	3-4	
LOG-120	Logistician II	D	5-7	
LOG-130	Logistician III	D	8-10	
LOG-210	Senior Logistician I	D	11-13	
LOG-220	Senior Logistician II	D	13-15	
LOG-310	Principal Logistician I	D	10+	2
LOG-320	Principal Logistician II	D	15+	4

6. Programmer/Analyst Group

Programmer/Analyst

General Experience: Experience as a programmer/analyst that supports one or more of the phases of engineering that extend from initial strategic technology planning through life cycle management and related engineering services including, but not limited to: Data Management, Data Warehousing, Data Modeling, Data Administration, Automated Data Processing, CAD/CAM, Imaging, Graphics, Computer Operations, System Administration, Software Engineering, Programming (including the design, development, code, test, and debug of software), Documentation, Networking, Data Transfer, Data Archiving and Retrieval, Data Organization, Routing, Business, Budget, Program, Research, Operations Research, Systems, Cost, Quality Assurance, Business Processes, Imagery, IV&V, Science, Technician, or other engineering related technical/functional analysis field in compliance with current Industry and Government practices.

Specialized Experience: (Applicable to Principal, Senior, and Programmer/Analyst levels only.) Professional experience as a lead programmer/analyst on very complex programs. Works independently; identifies potential problems and solutions through programming; systems and data analysis in their field of expertise; uses programming and analysis processes as approaches for improving organization performance and services needed to implement new or revised business or functional processes. Provides high level functional and system analysis on complex studies, which require a high level knowledge of their field of expertise for effective problem resolution. Reviews and approves the design and preparation of technical documentation and reports. Participates in all phases of study development, with emphasis on the planning, analysis, documentation, and presentation phases of the analysis cycle. Regularly serves as an advisor to all levels of staff on problems of unusual complexity. Principal Programmer/Analyst must be authority within their field of expertise and possess extensive knowledge of related fields.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Programmer/Analyst				
PA-010	Junior Programmer/Analyst I	D	0-1	
PA-020	Junior Programmer/Analyst II	D	2-3	

PA-110	Programmer/Analyst I	D	4-5	
PA-120	Programmer/Analyst II	D	5-6	
PA-130	Programmer/Analyst III	D	7-8	
PA-140	Programmer/Analyst IV	D	9-10	
PA-210	Senior Programmer/Analyst I	D	11-12	
PA-220	Senior Programmer/Analyst II	D	12-13	
PA-230	Senior Programmer/Analyst III	D	14+	
PA-310	Principal Programmer/Analyst I	D	12-13	2
PA-320	Principal Programmer/Analyst II	D	15-18	3
PA-410	Jr. Management Analyst	D	0-3	
PA-420	Management Analyst	D	5-7	
PA-430	Sr. Management Analyst	D	10-12	
PA-450	Principal Management Analyst	D	15+	

7. Support Group

Support Staff

General Experience: Experience in one or more of the following sub-disciplines, including but not limited to: Project Control Specialist, Accountant, Contract Administration, Subcontract Administration, Human Resources, Technical Editing and Writing, Graphics, Data Entry and Support, and Administrative Services, in compliance with current Industry and Government practices.

Specialized Experience: (Applicable to Support Staff Levels SUP 120 to 150). Professional experience in one or more of the sub-disciplines listed above. Works independently. Provides support and advice within their area of expertise, applies knowledge of technologies utilized within their sub-discipline; provides technical guidance and support to project leaders and program managers. May serve in a team leader or supervisory capacity.

8. Administrative Support

Administration Staff

General Experience: Experience in one or more of the following sub-disciplines, including but not limited to: Administrative Assistant, Technical Secretary, Data Entry and Support, Administrative Services or other administrative position or Clerical, in compliance with Industry and Government practices.

Specialized Experience: (Applicable to Administrative Support Levels SUP-020 and SUP-030.) Professional experience utilizing PCs, or other word processing equipment and programs. Works independently.

9. Technical Writing Support

General Experience: Experience in one or more of the following sub-disciplines, including but not limited to: Technical Writer, Technical Presentation designer or writing position, in compliance with Industry and Government practices.

Specialized Experience: Writes a variety of technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. May be responsible for coordinating the display of graphics and the production of the document.

10. Graphics Design/Support:

General Experience: Experience in one or more of the following sub-disciplines, including but not limited to: Graphics Designer, AutoCad Operator, Computer Aided Design Specialist or other Graphics Designing position, in compliance with Industry and Government practices.

Specialized Experience: Knowledge of current graphic design software to produce graphic art and visual materials for promotions, advertisements, films, packaging, and informative and instructional material through a variety of media outlets such as websites and CD-ROMs. Generates and manipulates graphic images, animations, sound, text and video into consolidated and seamless multimedia programs. Must remain abreast of technological advances in the field and be able to identify areas of use in the organization.

Labor Category Group Number	Labor Category Title	Degree	Years General	Years Specific
Support				
SUP-010	Administrative Support I		0-2	
SUP-020	Administrative Support II		3-4	
SUP-030	Administrative Support III		5-6	
SUP-040	Production/Administrative Support	D	10+	
SUP-110	Support Staff I	D	0-2	
SUP-120	Support Staff II	D	3-4	
SUP-130	Support Staff III	D	4-6	
SUP-140	Support Staff IV	D	5-7	
SUP-150	Support Staff V	D	8-10	
TCW-100	Technical Writer	D	4-6	
TCW-130	Senior Technical Writer	D	10+	
CLR-100	Clerical I		0-2	
CLR-120	Clerical II		3-5	
CGS-100	JuniorCADD/Graphics Specialist		0-2	
CGS-200	CADD/Graphics Specialist		2-4	
CGS-300	SeniorCADD/Graphics Specialist		2-4	

VII PRICING

Government Site

Labor Category Number	Labor Category Title	Base Period Year 1 Rates	Year 2 Rates	Year 3 Rates	Year 4 Rates	Year 5 Rates
TECHNICAL MANAGER						
TECH-010	Technical Lead I	\$34.44	\$35.47	\$36.53	\$37.63	\$38.76
TECH-020	Technical Lead II	\$37.78	\$38.91	\$40.08	\$41.28	\$42.52
TECH-030	Technical Lead III	\$42.65	\$43.93	\$45.25	\$46.61	\$48.01
TECH-110	Technical Manager I	\$47.88	\$49.32	\$50.80	\$52.32	\$53.89
TECH-120	Technical Manager II	\$52.63	\$54.21	\$55.84	\$57.52	\$59.25
TECH-130	Technical Manager III	\$59.29	\$61.07	\$62.90	\$64.79	\$66.73
TECH-140	Technical Manager IV	\$63.48	\$65.38	\$67.34	\$69.36	\$71.44
TECH-210	Senior Technical Manager I	\$76.86	\$79.17	\$81.55	\$84.00	\$86.52
TECH-220	Senior Technical Manager II	\$90.24	\$92.95	\$95.74	\$98.61	\$101.57
TECH-230	Senior Technical Manager III	\$102.04	\$105.10	\$108.25	\$111.50	\$114.85
TECH-240	Senior Technical Manager IV	\$113.84	\$117.26	\$120.78	\$124.40	\$128.13
TECH-250	Senior Technical Manager V	\$123.31	\$127.01	\$130.82	\$134.74	\$138.78
TECH-310	Principal Technical Manager I	\$132.73	\$136.71	\$140.81	\$145.03	\$149.38
TECH-320	Principal Technical Manager II	\$175.10	\$180.35	\$185.76	\$191.33	\$197.07
TECH-410	Task Manager	\$97.65	\$100.58	\$103.60	\$106.71	\$109.91
TECH-420	Project Manager	\$120.24	\$123.85	\$127.57	\$131.40	\$135.34
TECH-430	Program Manager	\$146.50	\$150.90	\$155.43	\$160.09	\$164.89
SUBJECT MATTER EXPERT (SME)						
SME-110	Subject Matter Expert I	\$82.00	\$84.46	\$86.99	\$89.60	\$92.29
SME-120	Subject Matter Expert II	\$89.04	\$91.71	\$94.46	\$97.29	\$100.21
SME-130	Subject Matter Expert III	\$97.07	\$99.98	\$102.98	\$106.07	\$109.25
SME-210	Senior Subject Matter Expert I	\$107.40	\$110.62	\$113.94	\$117.36	\$120.88
SME-220	Senior Subject Matter Expert II	\$116.69	\$120.19	\$123.80	\$127.51	\$131.34
SME-230	Senior Subject Matter Expert III	\$129.53	\$133.42	\$137.42	\$141.54	\$145.79
SME-310	Principal Subject Matter Expert I	\$142.63	\$146.91	\$151.32	\$155.86	\$160.54
SME-320	Principal Subject Matter Expert II	\$150.66	\$155.18	\$159.84	\$164.64	\$169.58
SME-410	SME/Consultant Level I	\$143.35	\$147.65	\$152.08	\$156.64	\$161.34
SME-420	SME/Consultant Level II	\$165.82	\$170.79	\$175.91	\$181.19	\$186.63
SME-430	SME/Consultant Level III	\$181.21	\$186.65	\$192.25	\$198.02	\$203.96
ENGINEER						
ENG-010	Engineering Technician I	\$36.22	\$37.31	\$38.43	\$39.58	\$40.77
ENG-020	Engineering Technician II	\$42.65	\$43.93	\$45.25	\$46.61	\$48.01
ENG-030	Engineering Technician III	\$47.88	\$49.32	\$50.80	\$52.32	\$53.89
ENG-040	Engineering Technician IV	\$52.63	\$54.21	\$55.84	\$57.52	\$59.25
ENG-050	Engineering Technician V	\$59.04	\$60.81	\$62.63	\$64.51	\$66.45

Labor Category Number	Labor Category Title	Base Period Year 1 Rates	Year 2 Rates	Year 3 Rates	Year 4 Rates	Year 5 Rates
ENG-060	Sr. Engineering Technician	\$69.03	\$71.10	\$73.23	\$75.43	\$77.69
ENG-090	Supervisory Engineering Technician	\$78.95	\$81.32	\$83.76	\$86.27	\$88.86
ENG-110	Engineer I	\$59.29	\$61.07	\$62.90	\$64.79	\$66.73
ENG-120	Engineer II	\$63.48	\$65.38	\$67.34	\$69.36	\$71.44
ENG-130	Engineer III	\$73.59	\$75.80	\$78.07	\$80.41	\$82.82
ENG-140	Engineer IV	\$82.00	\$84.46	\$86.99	\$89.60	\$92.29
ENG-150	Engineer V	\$89.04	\$91.71	\$94.46	\$97.29	\$100.21
ENG-160	Engineer VI	\$97.07	\$99.98	\$102.98	\$106.07	\$109.25
ENG-210	Senior Engineer I	\$107.40	\$110.62	\$113.94	\$117.36	\$120.88
ENG-220	Senior Engineer II	\$116.69	\$120.19	\$123.80	\$127.51	\$131.34
ENG-230	Senior Engineer III	\$123.76	\$127.47	\$131.29	\$135.23	\$139.29
ENG-240	Senior Engineer IV	\$129.53	\$133.42	\$137.42	\$141.54	\$145.79
ENG-310	Principal Engineer I	\$142.63	\$146.91	\$151.32	\$155.86	\$160.54
ENG-320	Principal Engineer II	\$150.62	\$155.14	\$159.79	\$164.58	\$169.52
ENG-410	Jr. Engineering Analyst	\$55.25	\$56.91	\$58.62	\$60.38	\$62.19
ENG-420	Engineering Analyst	\$69.58	\$71.67	\$73.82	\$76.03	\$78.31
ENG-430	Sr. Engineering Analyst	\$82.44	\$84.91	\$87.46	\$90.08	\$92.78
ENG-450	Principal Engineering Analyst	\$95.91	\$98.79	\$101.75	\$104.80	\$107.94
SCIENCE						
SCI-010	Junior Scientist I	\$58.41	\$60.16	\$61.96	\$63.82	\$65.73
SCI-020	Junior Scientist II	\$82.00	\$84.46	\$86.99	\$89.60	\$92.29
SCI-110	Scientist I	\$86.84	\$89.45	\$92.13	\$94.89	\$97.74
SCI-120	Scientist II	\$91.29	\$94.03	\$96.85	\$99.76	\$102.75
SCI-210	Senior Scientist I	\$93.75	\$96.56	\$99.46	\$102.44	\$105.51
SCI-220	Senior Scientist II	\$96.76	\$99.66	\$102.65	\$105.73	\$108.90
SCI-230	Senior Scientist III	\$102.02	\$105.08	\$108.23	\$111.48	\$114.82
SCI-310	Principal Scientist I	\$119.50	\$123.09	\$126.78	\$130.58	\$134.50
SCI-320	Principal Scientist II	\$126.27	\$130.06	\$133.96	\$137.98	\$142.12
SCI-330	Principal Scientist III	\$142.63	\$146.91	\$151.32	\$155.86	\$160.54
LOGISTICS						
LOG-010	Junior Logistician II	\$38.50	\$39.66	\$40.85	\$42.08	\$43.34
LOG-110	Logistician I	\$47.88	\$49.32	\$50.80	\$52.32	\$53.89
LOG-120	Logistician II	\$59.29	\$61.07	\$62.90	\$64.79	\$66.73
LOG-130	Logistician III	\$63.48	\$65.38	\$67.34	\$69.36	\$71.44
LOG-210	Senior Logistician I	\$73.59	\$75.80	\$78.07	\$80.41	\$82.82
LOG-220	Senior Logistician II	\$85.66	\$88.23	\$90.88	\$93.61	\$96.42
LOG-310	Principal Logistician I	\$99.28	\$102.26	\$105.33	\$108.49	\$111.74
LOG-320	Principal Logistician II	\$106.96	\$110.17	\$113.48	\$116.88	\$120.39
PROGRAMMER/ANALYST						
PA-010	Junior Programmer/Analyst I	\$38.50	\$39.66	\$40.85	\$42.08	\$43.34

Labor Category Number	Labor Category Title	Base Period Year 1 Rates	Year 2 Rates	Year 3 Rates	Year 4 Rates	Year 5 Rates
PA-020	Junior Programmer/Analyst II	\$47.88	\$49.32	\$50.80	\$52.32	\$53.89
PA-110	Programmer/Analyst I	\$52.66	\$54.24	\$55.87	\$57.55	\$59.28
PA-120	Programmer/Analyst II	\$59.29	\$61.07	\$62.90	\$64.79	\$66.73
PA-130	Programmer/Analyst III	\$66.24	\$68.23	\$70.28	\$72.39	\$74.56
PA-140	Programmer/Analyst IV	\$73.14	\$75.33	\$77.59	\$79.92	\$82.32
PA-210	Senior Programmer/Analyst I	\$81.90	\$84.36	\$86.89	\$89.50	\$92.19
PA-220	Senior Programmer/Analyst II	\$90.92	\$93.65	\$96.46	\$99.35	\$102.33
PA-230	Senior Programmer/Analyst III	\$100.45	\$103.46	\$106.56	\$109.76	\$113.05
PA-310	Principal Programmer/Analyst I	\$118.06	\$121.60	\$125.25	\$129.01	\$132.88
PA-320	Principal Programmer/Analyst II	\$138.56	\$142.72	\$147.00	\$151.41	\$155.95
PA-410	Jr. Management Analyst	\$45.44	\$46.80	\$48.20	\$49.65	\$51.14
PA-420	Management Analyst	\$57.06	\$58.77	\$60.53	\$62.35	\$64.22
PA-430	Sr. Management Analyst	\$71.62	\$73.77	\$75.98	\$78.26	\$80.61
PA-450	Principal Management Analyst	\$83.76	\$86.27	\$88.86	\$91.53	\$94.28
SUPPORT						
SUP-010	Administrative Support I	\$23.77	\$24.48	\$25.21	\$25.97	\$26.75
SUP-020	Administrative Support II	\$28.52	\$29.38	\$30.26	\$31.17	\$32.11
SUP-030	Administrative Support III	\$35.77	\$36.84	\$37.95	\$39.09	\$40.26
SUP-040	Production/Administration Specialist	\$52.00	\$53.56	\$55.17	\$56.83	\$58.53
SUP-110	Support Staff I	\$38.50	\$39.66	\$40.85	\$42.08	\$43.34
SUP-120	Support Staff II	\$47.88	\$49.32	\$50.80	\$52.32	\$53.89
SUP-130	Support Staff III	\$50.31	\$51.82	\$53.37	\$54.97	\$56.62
SUP-140	Support Staff IV	\$59.29	\$61.07	\$62.90	\$64.79	\$66.73
SUP-150	Support Staff V	\$63.48	\$65.38	\$67.34	\$69.36	\$71.44
TCW-100	Technical Writer	\$56.92	\$58.63	\$60.39	\$62.20	\$64.07
TCW-130	Sr. Technical Writer	\$68.82	\$70.88	\$73.01	\$75.20	\$77.46
CLR-100	Clerical I	\$24.61	\$25.35	\$26.11	\$26.89	\$27.70
CLR-200	Clerical II	\$31.75	\$32.70	\$33.68	\$34.69	\$35.73
CGS-100	Jr. CADD/Graphics Specialist	\$23.77	\$24.48	\$25.21	\$25.97	\$26.75
CGS-200	CADD/Graphics Specialist	\$28.52	\$29.38	\$30.26	\$31.17	\$32.11
CGS-300	Sr. CADD/Graphics Specialist	\$35.77	\$36.84	\$37.95	\$39.09	\$40.26

Contractor Site

Labor Category Number	Labor Category Title	Base Period Year 1 Rates	Year 2 Rates	Year 3 Rates	Year 4 Rates	Year 5 Rates
TECHNICAL MANAGER						
TECH-010	Technical Lead I	\$39.86	\$41.05	\$42.28	\$43.55	\$44.86
TECH-020	Technical Lead II	\$43.73	\$45.05	\$46.40	\$47.79	\$49.22
TECH-030	Technical Lead III	\$49.36	\$50.84	\$52.37	\$53.94	\$55.56
TECH-110	Technical Manager I	\$53.19	\$54.79	\$56.43	\$58.12	\$59.86
TECH-120	Technical Manager II	\$60.91	\$62.74	\$64.62	\$66.56	\$68.56
TECH-130	Technical Manager III	\$68.63	\$70.69	\$72.81	\$74.99	\$77.24
TECH-140	Technical Manager IV	\$73.46	\$75.66	\$77.93	\$80.27	\$82.68
TECH-210	Senior Technical Manager I	\$88.96	\$91.63	\$94.38	\$97.21	\$100.13
TECH-220	Senior Technical Manager II	\$104.42	\$107.55	\$110.78	\$114.10	\$117.52
TECH-230	Senior Technical Manager III	\$118.09	\$121.63	\$125.28	\$129.04	\$132.91
TECH-240	Senior Technical Manager IV	\$131.76	\$135.71	\$139.78	\$143.97	\$148.29
TECH-250	Senior Technical Manager V	\$142.71	\$146.99	\$151.40	\$155.94	\$160.62
TECH-310	Principal Technical Manager I	\$153.62	\$158.23	\$162.98	\$167.87	\$172.91
TECH-320	Principal Technical Manager II	\$202.64	\$208.72	\$214.98	\$221.43	\$228.07
TECH-410	Task Manager	\$113.01	\$116.40	\$119.89	\$123.49	\$127.19
TECH-420	Project Manager	\$139.17	\$143.35	\$147.65	\$152.08	\$156.64
TECH-430	Program Manager	\$169.56	\$174.65	\$179.89	\$185.29	\$190.85
SUBJECT MATTER EXPERT (SME)						
SME-110	Subject Matter Expert I	\$94.90	\$97.75	\$100.68	\$103.70	\$106.81
SME-120	Subject Matter Expert II	\$103.07	\$106.16	\$109.34	\$112.62	\$116.00
SME-130	Subject Matter Expert III	\$112.34	\$115.71	\$119.18	\$122.76	\$126.44
SME-210	Senior Subject Matter Expert I	\$124.31	\$128.04	\$131.88	\$135.84	\$139.92
SME-220	Senior Subject Matter Expert II	\$135.06	\$139.11	\$143.28	\$147.58	\$152.01
SME-230	Senior Subject Matter Expert III	\$149.91	\$154.41	\$159.04	\$163.81	\$168.72
SME-310	Principal Subject Matter Expert I	\$165.08	\$170.03	\$175.13	\$180.38	\$185.79
SME-320	Principal Subject Matter Expert II	\$174.37	\$179.60	\$184.99	\$190.54	\$196.26
SME-410	SME/Consultant Level I	\$165.91	\$170.89	\$176.02	\$181.30	\$186.74
SME-420	SME/Consultant Level II	\$191.92	\$197.68	\$203.61	\$209.72	\$216.01
SME-430	SME/Consultant Level III	\$209.74	\$216.03	\$222.51	\$229.19	\$236.07
ENGINEER						
ENG-010	Engineering Technician I	\$41.92	\$43.18	\$44.48	\$45.81	\$47.18
ENG-020	Engineering Technician II	\$49.36	\$50.84	\$52.37	\$53.94	\$55.56
ENG-030	Engineering Technician III	\$53.20	\$54.80	\$56.44	\$58.13	\$59.87
ENG-040	Engineering Technician IV	\$60.92	\$62.75	\$64.63	\$66.57	\$68.57
ENG-050	Engineering Technician V	\$68.34	\$70.39	\$72.50	\$74.68	\$76.92
ENG-060	Senior Engineering Technician	\$79.91	\$82.31	\$84.78	\$87.32	\$89.94
ENG-090	Supervisory Engineering Technician	\$91.37	\$94.11	\$96.93	\$99.84	\$102.84

ENG-110	Engineer I	\$68.64	\$70.70	\$72.82	\$75.00	\$77.25
ENG-120	Engineer II	\$73.47	\$75.67	\$77.94	\$80.28	\$82.69
ENG-130	Engineer III	\$85.18	\$87.73	\$90.36	\$93.07	\$95.86
ENG-140	Engineer IV	\$94.90	\$97.75	\$100.68	\$103.70	\$106.81
ENG-150	Engineer V	\$103.07	\$106.16	\$109.34	\$112.62	\$116.00
ENG-160	Engineer VI	\$112.34	\$115.71	\$119.18	\$122.76	\$126.44
ENG-210	Senior Engineer I	\$124.31	\$128.04	\$131.88	\$135.84	\$139.92
ENG-220	Senior Engineer II	\$135.06	\$139.11	\$143.28	\$147.58	\$152.01
ENG-230	Senior Engineer III	\$144.04	\$148.36	\$152.81	\$157.39	\$162.11
ENG-240	Senior Engineer IV	\$149.91	\$154.41	\$159.04	\$163.81	\$168.72
ENG-310	Principal Engineer I	\$165.08	\$170.03	\$175.13	\$180.38	\$185.79
ENG-320	Principal Engineer II	\$174.32	\$179.55	\$184.94	\$190.49	\$196.20
ENG-410	Junior Engineering Analyst	\$63.95	\$65.86	\$67.84	\$69.88	\$71.98
ENG-420	Engineering Analyst	\$80.53	\$82.94	\$85.43	\$87.99	\$90.63
ENG-430	Senior Engineering Analyst	\$95.42	\$98.28	\$101.23	\$104.27	\$107.40
ENG-450	Principal Engineering Analyst	\$111.00	\$114.33	\$117.76	\$121.29	\$124.93
SCIENCE						
SCI-010	Junior Scientist I	\$67.61	\$69.64	\$71.73	\$73.88	\$76.10
SCI-020	Junior Scientist II	\$94.90	\$97.75	\$100.68	\$103.70	\$106.81
SCI-110	Scientist I	\$100.51	\$103.53	\$106.64	\$109.84	\$113.14
SCI-120	Scientist II	\$105.66	\$108.83	\$112.09	\$115.45	\$118.91
SCI-210	Senior Scientist I	\$108.52	\$111.78	\$115.13	\$118.58	\$122.14
SCI-220	Senior Scientist II	\$112.00	\$115.36	\$118.82	\$122.38	\$126.05
SCI-230	Senior Scientist III	\$118.08	\$121.62	\$125.27	\$129.03	\$132.90
SCI-310	Principal Scientist I	\$138.31	\$142.46	\$146.73	\$151.13	\$155.66
SCI-320	Principal Scientist II	\$146.16	\$150.55	\$155.07	\$159.72	\$164.51
SCI-330	Principal Scientist III	\$165.08	\$170.03	\$175.13	\$180.38	\$185.79
LOGISTICS						
LOG-010	Junior Logistician	\$44.56	\$45.90	\$47.28	\$48.70	\$50.16
LOG-110	Logistician I	\$53.20	\$54.80	\$56.44	\$58.13	\$59.87
LOG-120	Logistician II	\$68.64	\$70.70	\$72.82	\$75.00	\$77.25
LOG-130	Logistician III	\$73.47	\$75.67	\$77.94	\$80.28	\$82.69
LOG-210	Senior Logistician I	\$85.18	\$87.73	\$90.36	\$93.07	\$95.86
LOG-220	Senior Logistician II	\$99.14	\$102.12	\$105.18	\$108.34	\$111.59
LOG-310	Principal Logistician I	\$114.81	\$118.25	\$121.80	\$125.45	\$129.21
LOG-320	Principal Logistician II	\$123.80	\$127.52	\$131.35	\$135.29	\$139.35
PROGRAMMER/ANALYST						
PA-010	Junior Programmer/Analyst I	\$44.56	\$45.90	\$47.28	\$48.70	\$50.16
PA-020	Junior Programmer/Analyst II	\$53.20	\$54.80	\$56.44	\$58.13	\$59.87
PA-110	Programmer/Analyst I	\$60.96	\$62.79	\$64.67	\$66.61	\$68.61
PA-120	Programmer/Analyst II	\$68.64	\$70.70	\$72.82	\$75.00	\$77.25
PA-130	Programmer/Analyst III	\$76.67	\$78.97	\$81.34	\$83.78	\$86.29
PA-140	Programmer/Analyst IV	\$84.66	\$87.20	\$89.82	\$92.51	\$95.29
PA-210	Senior Programmer/Analyst I	\$94.80	\$97.64	\$100.57	\$103.59	\$106.70

PA-220	Senior Programmer/Analyst II	\$105.23	\$108.39	\$111.64	\$114.99	\$118.44
PA-230	Senior Programmer/Analyst III	\$116.26	\$119.75	\$123.34	\$127.04	\$130.85
PA-310	Principal Programmer/Analyst I	\$136.64	\$140.74	\$144.96	\$149.31	\$153.79
PA-320	Principal Programmer/Analyst II	\$160.36	\$165.17	\$170.13	\$175.23	\$180.49
PA-410	Junior Management Analyst	\$50.49	\$52.00	\$53.56	\$55.17	\$56.83
PA-420	Management Analyst	\$66.03	\$68.01	\$70.05	\$72.15	\$74.31
PA-430	Senior Management Analyst	\$82.90	\$85.39	\$87.95	\$90.59	\$93.31
PA-450	Principal Management Analyst	\$96.95	\$99.86	\$102.86	\$105.95	\$109.13
SUPPORT						
SUP-010	Administrative Support I	\$27.50	\$28.32	\$29.17	\$30.05	\$30.95
SUP-020	Administrative Support II	\$33.00	\$33.99	\$35.01	\$36.06	\$37.14
SUP-030	Administrative Support III	\$41.40	\$42.64	\$43.92	\$45.24	\$46.60
SUP-040	Production/Administration Specialist	\$60.19	\$62.00	\$63.86	\$65.78	\$67.75
SUP-110	Support Staff I	\$44.56	\$45.90	\$47.28	\$48.70	\$50.16
SUP-120	Support Staff II	\$53.20	\$54.80	\$56.44	\$58.13	\$59.87
SUP-130	Support Staff III	\$58.23	\$59.98	\$61.78	\$63.63	\$65.54
SUP-140	Support Staff IV	\$68.64	\$70.70	\$72.82	\$75.00	\$77.25
SUP-150	Support Staff V	\$73.47	\$75.67	\$77.94	\$80.28	\$82.69
TCW-100	Technical Writer	\$65.87	\$67.85	\$69.89	\$71.99	\$74.15
TCW-130	Sr. Technical Writer	\$79.65	\$82.04	\$84.50	\$87.04	\$89.65
CLR-100	Clerical I	\$28.48	\$29.34	\$30.22	\$31.13	\$32.06
CLR-200	Clerical II	\$36.75	\$37.85	\$38.99	\$40.16	\$41.36
CGS-100	Jr. CADD/Graphics Specialist	\$27.50	\$28.33	\$29.18	\$30.06	\$30.96
CGS-200	CADD/Graphics Specialist	\$33.00	\$33.99	\$35.01	\$36.06	\$37.14
CGS-300	Sr. CADD/Graphics Specialist	\$41.40	\$42.64	\$43.92	\$45.24	\$46.60