



**Authorized Federal Supply Schedule Price List
for
Professional Engineering Services (PES)
GSA Authorized Federal Supply Schedule Price List**

NAICS: 541330, 541710

SIC: 8711, 8731

Contract Number GS-23F-0163L

Business Size: Small Business

Period of Performance

April 25, 2006, through April 24, 2011

**Prices shown on the price list are NET prices
Basic discounts have been deducted**

MagnaCom, Inc.

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On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through *GSA Advantage!*[™], a menu-driven database system. The INTERNET address for

GSA Advantage![™] is: <http://GSAAdvantage.gov>

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

MagnaCom, Inc.

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Customer Information

1a. Table of awarded Special Item Numbers:

SIN#	Description	Professional Engineering Discipline
		Electrical Engineering
SIN 871-1	Strategic Planning for Technology Programs/Activities	X
SIN 871-2	Concept Development and Requirement Analysis	X
SIN 871-3	System Design, Engineering and Integration	X
SIN 871-4	Test and Evaluation	X
SIN 871-5	Integrated Logistics Support	X
SIN 871-6	Acquisition and Life Cycle Management	X

1b. Price List: Attached

2. Maximum Order: \$750,000
3. Minimum Order: \$ 100

Geographical Coverage (Delivery Area): The 48 contiguous states, the District of Columbia, Alaska, and Hawaii.

Point of Production: Huntsville, Madison County, Alabama

Discount: The prices shown on the price list are NET prices and basic discounts have been deducted.

Quantity Discounts: None

Prompt payment terms: Net 30 Days

- 9a. Government Purchase Cards are accepted up to the micro-purchase threshold.
- 9b. Government Purchase Cards are accepted above the micro-purchase threshold.
10. Foreign Items: N/A
- 11a. Time of Delivery: As specified in individual task/delivery orders.
- 11b. Expedited Delivery: N/A
- 11c. Overnight and 2-day Delivery: N/A
- 11d. Urgent Requirements: N/A
12. FOB Points: Domestic
13. Ordering Address:

MagnaCom, Inc., 615 Discovery Drive, Suite B, Huntsville, Alabama 35806

14. Payment Address:

MagnaCom, Inc., 615 Discovery Drive, Suite B, Huntsville, Alabama 35806

15. Warranty: As specified in individual task/delivery orders.

Export Packing Charges: N/A

Terms and Conditions of Government Purchase Card: None

Terms and Conditions of rental, maintenance, and repair: N/A

Terms and Conditions of installation: N/A

Terms and Conditions of repair parts: N/A

20a. Terms and Conditions for any other services: As specified in individual task/delivery orders. Labor rates shown on the price list are fully-burdened rates.

List of service and distribution points: As specified in individual task/delivery orders.

List of participating dealers: N/A

Preventive maintenance: N/A

Environmental attributes: N/A

Data Universal Number System (DUNS): 09-225-4742

Notification regarding registration in Central Contractor Registration (CCR) database: MagnaCom is registered in the CCR database.

Overview of MagnaCom, Inc.



MagnaCom, Inc. is a high-technology engineering company that provides technical, analytical, and other specialized services to military, Government, and corporate customers. Our core areas of expertise are missile defense systems, system and sensor integration and test, radar systems, modeling and simulation, and real-time software development and assessment. Our customers

include the US Army Aviation and Missile Command, Space and Missile Defense Command, the Naval Surface Warfare Center, Missile Defense Agency, and the US Army Corp of Engineers on a variety of programs and technology disciplines.

- Weapon System Analysis
- Radar, RF Comm Links, and Sensor Systems
- BMC3 / Fire Control
- Model and Simulation Development
- Model and Simulation VV&A
- Environment Simulation and Analysis
- Test Planning and Evaluation
- Post-Test Reconstruction and Visualization
- Real-Time Software Development (Ada, C, C++)
- Custom Real-Time Data Collection/Analytics
- Independent Software Verification and Validation
- Training and Safety

Our Capabilities

MagnaCom provides technical services in the areas of system engineering, radar and RF systems, test, data acquisition /analysis, and software development and evaluation.

We support our customers in the evaluation of system requirements, design and performance, test and evaluation, and verification. We also support development and testing of specialized real-time software and analytical algorithms.



Primary Engineering Discipline

Under the GSA FSS Professional Engineering Services Schedule, MagnaCom, Inc. will provide all resources including personnel, management, supplies, services, materials equipment, facilities, and transportation, necessary to support a wide range of life cycle

engineering requirements in the Primary Engineering Disciplines of electrical engineering.

Our engineers are routinely involved in design optimization, system modeling and simulation, and studies to reduce cost, technical, and scheduled risks. They also perform various studies and analyses to provide efficient examination of alternatives.

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; telecommunications; 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
- Circuits and Systems
- Communications
- Computer
- Control Systems
- Dielectrics and Electrical Insulation
- Education
- Electromagnetic Compatibility
- Engineering Management
- Geoscience and Remote Sensing
- Industry Applications
- Information Theory
- Instrumentation & Measurement
- Lasers and electro-Optics
- Magnetism
- Microwave Theory & Techniques
- Neural Networks Council
- Nuclear and Plasma Sciences
- Professional Communication
- Reliability
- Robotics and Automation
- Signal Processing on Social Implications of Technology
- Solid State Circuits
- Systems, Man, & Cybernetics
- Vehicular Technology

Scope of Services

871-1 Strategic Planning for Technology Programs/Activity

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.

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.

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.

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 to 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.

871-5 Integrated Logistics Support

Services required under this SIN involve 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.

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, and 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, technology transfer/insertion, training, privatization and outsourcing.

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Program Manager 4	A Masters or Doctorate degree in Engineering, Science, or Management from an accredited college or university and 16 years applicable experience, or Bachelor's Degree in Engineering, Science, or Management from an accredited college or university and 18 years applicable experience.	16	<p>The Program Manager shall direct, plan, organize, control, and manage the project/program to ensure that all contractual obligations are fulfilled in an efficient and timely manner. The Program Manager must be able to:</p> <p>Manage multiple concurrent analysis and development tasks for increasingly sophisticated projects and programs.</p> <p>Provide supervision/management of the activities and staff of a research or technical business unit.</p> <p>Serve as contractor's point of contact with the Contracting Officer and the Contracting Officers Representative.</p> <p>Formulate and enforce work standards, develop schedules, review work discrepancies, and communicate policies, purposes, and goals to subordinates.</p> <p>Identify and recommend objectives and scope of technical projects and communicate goals, scope, approach, and schedules to assigned personnel. Establish budgets, forecasts manpower, equipment and supply needs.</p> <p>Manage and control funds and resources. Monitor the project budget at the top-level, staff the program/project with appropriate personnel, and ensure the schedule and deliverables are in compliance with contract and/or task order requirements.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Program Manager 3	A Masters or Doctorate degree in Engineering, Science, or Management from an accredited college or university and 14 years applicable experience, or Bachelor's Degree in Engineering, Science, or Management from an accredited college or university and 16 years applicable experience.	14	<p>The Program Manager shall direct, plan, organize, control, and manage the project/program to ensure that all contractual obligations are fulfilled in an efficient and timely manner. The Program Manager must be able to:</p> <p>Manage multiple concurrent analysis and development tasks for sophisticated projects and programs.</p> <p>Provide supervision/management of the activities and staff of a research or technical business unit.</p> <p>Serve as contractor's point of contact with the Contracting Officer and the Contracting Officers Representative.</p> <p>Formulate and enforce work standards, develop schedules, review work discrepancies, and communicate policies, purposes, and goals to subordinates.</p> <p>Identify and recommend objectives and scope of technical projects and communicate goals, scope, approach, and schedules to assigned personnel. Establish budgets, forecasts manpower, equipment and supply needs.</p> <p>Manage and control funds and resources. Monitor the project budget at the top-level, staff the program/project with appropriate personnel, and ensure the schedule and deliverables are in compliance with contract and/or task order requirements.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Program Manager 2	A Masters or Doctorate degree in Engineering, Science, or Management from an accredited college or university and 12 years applicable experience, or Bachelor's Degree in Engineering, Science, or Management from an accredited college or university and 14 years applicable experience.	12	<p>The Program Manager shall direct, plan, organize, control and management the project/program to ensure that all contractual obligations are fulfilled in an efficient and timely manner. The Program Manager must be able to:</p> <p>Manage analysis and development tasks in structured projects and programs.</p> <p>Serve as contractor's point of contact with the Contracting Officer and the Contracting Officers Representative.</p> <p>Formulate and enforce work standards, develop schedules, review work discrepancies, and communicate policies, purposes, and goals to subordinates.</p> <p>Identified and recommends objectives and scope of technical projects and communicates goals, scope, approach, and schedules to assigned personnel. Establishes budgets, forecasts manpower, equipment, and supply needs.</p> <p>Manage and control funds and resources. Monitor the project budget at the top level, staff the program/project with qualified personnel, and ensure the schedule and deliverables are in compliance with contract and/or task order requirements.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Program Manager 1	A Masters or Doctorate degree in Engineering, Science, or Management from an accredited college or university and 10 years applicable experience, or Bachelor's Degree in Engineering, Science, or Management from an accredited college of university and 12 years applicable experience.	10	<p>The Program Manager shall direct, plan, organize, control, and manage the project/program to ensure that all contractual obligations are fulfilled in an efficient and timely manner. The Program Manager must be able to:</p> <p>Manage analysis and development tasks in structured projects and programs.</p> <p>Serve as contractor's point of contact with the Contracting Officer and the Contracting Officers Representative.</p> <p>Formulate and enforce work standards, develop schedules, review work discrepancies, and communicate policies, purpose, and goals to subordinates.</p> <p>Manage and control funds and resources. Staff the program/project with appropriate personnel, and ensure the schedule and deliverables are in compliance with contract and/or task order requirements.</p>
Principal Investigator	A Masters or Doctorate degree in Engineering, Science, or related discipline from an accredited college or university and 20 years applicable experience, or Bachelor's Degree in Engineering, Science, or Management from an accredited college or university and 22 years applicable experience, or High school diploma and 26 years applicable experience in a related technical discipline.	20	<p>Provides specialized skills in space, defense science, or engineering applications. Performs specialized design, analysis, or evaluations.</p> <p>Generation of specific system designs or evaluation of specialized system specifications.</p> <p>Supports test planning for a specialized design area, science discipline, sensor, or environmental condition.</p> <p>Oversees specialized test conduct, test devices, data collection equipment and sensors.</p> <p>Directs the planning and execution of complex, highly specialized studies involving advanced hardware, software, and space, defense, or environmental systems.</p> <p>Oversees reviews and leads analysis of specialized test or analytical results.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist VII	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 12 years of applicable experience or a Bachelors degree in Engineering, Science, or related field and 14 years applicable experience.	12	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains increasingly complex engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Oversees study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p> <p>Tasks may consist of complex requirements with varying degrees of difficulty considering the skills and years of experience required for this level.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist VI	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 10 years of applicable experience or a Bachelors degree in Engineering, Science, or related field and 12 years applicable experience.	10	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains increasingly complex engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Oversees study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p> <p>Tasks may consist of complex requirements with varying degrees of difficulty considering the skills and years of experience required for this level.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist V	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 8 years of applicable experience or a Bachelors degree in Engineering, Science, or related field and 10 years applicable experience.	8	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains complex engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Oversees study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p> <p>Tasks may consist of complex requirements with varying degrees of difficulty considering the skills and years of experience required for this level.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist IV	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 6 years of applicable experience or Bachelors degree in Engineering, Science, or related field and 8 years applicable experience.	6	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Oversees study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p> <p>Tasks may consist of complex requirements with varying degrees of difficulty considering the skills and years of experience required for this level.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist III	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 4 years of applicable experience or Bachelors degree in Engineering, Science, or related field and 6 years applicable experience.	4	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Oversees study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist II	Masters or Doctorates degree in Engineering, Science, or related field from an accredited institution and 2 years of applicable experience or Bachelors degree in Engineering, Science, or related field and 4 years applicable experience or a High School diploma and 12 years of related engineering or scientific experience.	2	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Schedules, coordinates, executes detailed technical tasks/activities</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Assists in study/test set-up and design, evaluates final results, determines adequacy of study results for final presentation and reports, and makes final recommendations on system compliance to requirements.</p>
Engineer / Scientist I	Bachelors degree in Engineering, Science, or related field and 2 years applicable experience or a High School diploma and 8 years of related engineering or scientific experience.	2	<p>Provides engineering or scientific support, commensurate with years of experience, for space or defense science and engineering programs.</p> <p>Plans, designs, implements, and maintains engineering or scientific projects</p> <p>Performs system performance predictions and design trade-offs using analytical methods, simulations, and system test results.</p> <p>Responsible for analysis reporting, scheduling, resource management, integration, and consistency of results.</p> <p>Supports study/test set-up and design, and assists in evaluating final results</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Engineer / Scientist 0	Bachelors degree in Engineering, Science, or related field and 0 years applicable experience of a High School diploma and 5 years of related engineering or scientific experience.	0	<p>Entry level capable of performing routine engineering or scientific work under supervision.</p> <p>Supports engineering or scientific tasks</p> <p>Tasks vary in complexity and depend on level of supervision required and the skill level of individuals.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Programmer / Analyst V	Master's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 10 years applicable experience in assigned technical discipline, or Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 12 years applicable experience in assigned technical discipline, or High school diploma and 16 years applicable experience in assigned technical discipline	10	<p>Performs work involved in one or more of the phases of developing software used in products or services provided to external customers. Capable of individually developing complex applications and/or working with operating system software.</p> <p>Performs computer systems analysis, design, programming, documentation, and implementation of complex applications.</p> <p>Directs and participates in all phases of hardware and software development with emphasis on planning, analysis, testing, integrating, and implementing.</p> <p>Is fully knowledgeable in applying the principles and methods necessary in the design and development of complex computer systems.</p> <p>Develops and prepares technical reports and related documentation associated with design efforts. Prepares and presents briefings and reviews as required.</p> <p>Creates and documents the framework for object oriented application development including class libraries, source and version control, coding conventions, and procedures for code review.</p> <p>May serve as task leader in the development of system development efforts. Provides supervision / management of the activities and staff of a research or technical business unit. Responsible for overall unit performance within budgetary and schedule guidelines. Identifies and recommends objectives and scope of technical projects and communications goals, scope, approach, and schedules to assigned personnel. Establishes budgets, forecasts manpower, equipment, and supply needs.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Programmer / Analyst IV	Master's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 8 years applicable experience in assigned technical discipline, or Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 10 years applicable experience in assigned technical discipline, or High school diploma and 14 years applicable experience in assigned technical discipline	8	<p>Performs work involved in one or more of the phases of developing software used in products or working with operating systems software.</p> <p>Participates in the analysis, design, programming, documentation, and implementation of complex applications.</p> <p>Participates in all phases of hardware and software development with emphasis on planning, analysis, testing, integrating, and implementing.</p> <p>Has extensive knowledge in applying the principles and methods necessary in the design and development of complex computer systems. Develops and prepares technical reports and related documentation associated with design efforts.</p> <p>Creates and documents the framework for object oriented application development including class libraries, source and version control, coding conventions, and procedures for code review.</p> <p>Provides technical task leadership / supervision for assigned tasks by coordinating the efforts of assigned technical staff.</p> <p>Organizes task workloads within budget and schedule guidelines.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Programmer / Analyst III	Master's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 6 years applicable experience in assigned technical discipline, or Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 8 years applicable experience in assigned technical discipline, or High school diploma and 12 years applicable experience in assigned technical discipline	6	<p>Performs work involved in one or more of the phases of developing software used in products or working with operating systems software.</p> <p>Participates in the analysis, design, programming, documentation, and implementation of complex applications.</p> <p>Participates in all phases of hardware and software development with emphasis on planning, analysis, testing, integrating, and implementing.</p> <p>Has a working knowledge in applying the principles and methods necessary in the design and development of structured computer systems.</p> <p>Develops and prepares technical reports and related documentation associated with design efforts.</p>
Programmer / Analyst II	Master's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 4 years applicable experience in assigned technical discipline, or Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 6 years applicable experience in assigned technical discipline, or High school diploma and 10 years applicable experience in assigned technical discipline	4	<p>Performs work involved in one or more of the phases of developing software used in products or services provided to external customers. Capable of developing applications or working with operating systems software.</p> <p>Participates in the analysis, design, programming, documentation, and implementation of complex applications.</p> <p>Participates in all phases of hardware and software development with emphasis on planning, analysis, testing, integrating, and implementing.</p> <p>Is knowledgeable in applying the principles and methods necessary in the design and development of structured computer systems.</p> <p>Assists in the preparation of technical reports and related documentation associated with design efforts.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Programmer / Analyst I	Master's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 1 year applicable experience, or Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 3 years applicable experience in assigned technical discipline, or High school diploma and 8 years applicable experience in assigned technical discipline	1	<p>Performs work involved in one or more of the phases of developing software used in products or services provided to external customers. May develop applications or work with operating systems software.</p> <p>Under supervision, performs assigned tasks in the analysis, design, programming, documentation, and implementation of software applications.</p> <p>Is knowledgeable in applying the principles and methods necessary in the design and development of software products.</p> <p>Assists in the preparation to technical reports and related documentation associated with design efforts.</p>
Programmer / Analyst 0	Bachelor's Degree in Engineering, Computer Science or related discipline from an accredited college or university and 0 years applicable experience or High school diploma and 2 years applicable experience in assigned technical discipline.	0	<p>Performs work involved in one or more of the phases of developing software used in products or services provided to external customers.</p> <p>Under supervision, performs assigned tasks in the analysis, design, programming, documentation, and implementation of computer applications.</p> <p>Is knowledgeable in applying the principles and methods necessary in the development of software products.</p> <p>Assists in the preparation of technical reports and related documentation associated with design efforts.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Technician VI	High School diploma and 18 years applicable technical experience in the assigned discipline with a minimum of 10 years in the specific technical area assigned	18	<p>Provides technical support to field engineers, technicians, technical support representatives and customers. Capable of diagnosing, troubleshooting, repairing, and debugging advanced technical system problems.</p> <p>Provides support for a wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve advanced engineering problems.</p> <p>Assists management in writing the justification and implementation procedures for hardware and software components to ensure compatibility and compliance with existing systems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Provides in-house user training and assistance as required.</p> <p>Performs as the lead Technician on complex tasks as appropriate.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Technician V	High school diploma and 15 years applicable experience in assigned technical discipline	15	<p>Provides technical support to field engineers, technicians, technical support representatives and customers. Capable of diagnosing, troubleshooting, repairing, and debugging advanced technical system problems.</p> <p>Provides support for a wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve advanced engineering problems.</p> <p>Assists management in writing the justification and implementation procedures for hardware and software components to ensure compatibility and compliance with existing systems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Provides in-house user training and assistance as required.</p> <p>Performs as the lead Technician on complex tasks as appropriate.</p>
Technician IV	High school diploma and 12 years applicable experience in assigned technical discipline	12	<p>Provides technical support to field engineers, technicians, technical support representatives and customers. Capable of diagnosing, troubleshooting, repairing, and debugging advanced engineering problems.</p> <p>Provides support for a wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve advanced engineering problems.</p> <p>Assists management in writing the justification and implementation procedures for hardware and software components to ensure compatibility and compliance with existing systems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Provides in-house user training and assistance as required.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Technician III	High school diploma and 9 years applicable experience in assigned technical discipline	9	<p>Provides technical support to field engineers, technicians, technical support representatives and customers. Capable of diagnosing, troubleshooting, repairing, and debugging advanced engineering problems.</p> <p>Provides support for a wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve advanced engineering problems.</p> <p>Assists management in writing the justification and implementation procedures for hardware and software components to ensure compatibility and compliance with existing systems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Provides in-house user training and assistance as required.</p>
Technician II	High school diploma and 5 years applicable experience in assigned technical discipline	5	<p>Provides technical support to field engineers, technicians, technical support representatives and customers. Capable of diagnosing, troubleshooting, repairing, and debugging advanced engineering problems.</p> <p>Provides support for a wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve advanced engineering problems.</p> <p>Assists management in writing the justification and implementation procedures for hardware and software components to ensure compatibility and compliance with existing systems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Provides in-house user training and assistance as required.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Technician I	High school diploma and 1 year applicable experience in assigned technical discipline	1	<p>Under direct supervision, provides technical support to customers via on-site assistance, telephone, fax, or email. Capable of diagnosing, troubleshooting, repairing, and debugging simple engineering problems. Escalates complex problems to higher-level technical personnel.</p> <p>Provides support for wide range of hardware and software applications including diagnosing, isolating, and developing test procedures to resolve technical problems.</p> <p>Assists and supports engineers in developing system configurations and modifications.</p> <p>Assists in providing in-house user training and assistance as required.</p>
Technician 0	High school diploma and 0 years applicable experience in assigned technical discipline	0	<p>This is an entry-level position. Under direct supervision, provides technical support to customers via on-site assistance, telephone, fax, or email.</p> <p>Provides support for specified hardware and software applications including diagnosing and isolating technical problems.</p> <p>Assists and supports technicians and engineers as directed.</p> <p>Assists in providing in-house user training and assistance as required.</p>

PES Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Program Analyst	Bachelor's Degree in Business or related discipline and 5 years applicable experience	5	<p>Analyses program activities such as acquisition program planning, maintains the current status of contract resources, provides financial management for contracts, performs cost analyses, and other tasks related to assigned contracts. Additionally:</p> <p>Maintains cost and performance status for each contract task.</p> <p>Prepares and distributes Cost and Performance reports and Status Reports.</p> <p>Maintains contracted and expended personnel hours on time and material contracts.</p> <p>Ensures invoices for work accomplished are prepared and submitted.</p>

PES Incidental Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Senior Technical Writer	Master's Degree in English or related discipline from an accredited college or university and 2 years of applicable experience or Bachelor's Degree in English of related discipline from an accredited college or university and 5 years applicable experience.	2	<p>Performs structuring, editing and/or rewriting of complex technical reports and documents for approval of author.</p> <p>Determines consistency and clarity of style within technical reports.</p> <p>Works without direct daily supervision and is in regular contact with technical staff personnel to clarify meaning, format, and style of their work.</p> <p>Coordinates the work of other contributors and integrates all input including graphics to complete final document preparation.</p>
Technical Writer	Bachelor's Degree in English of related discipline from an accredited college or university and 1 year applicable experience.	1	<p>Performs structuring, editing and/or rewriting of technical reports and documents for approval of author.</p> <p>Determines consistency and clarity of style within technical reports.</p> <p>Usually works without direct daily supervision and is in regular contact with technical staff personnel to clarify meaning, format, and style of their work.</p>

PES Incidental Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Graphics Specialist III	Associates degree or a certificate in graphic design with experience in artwork preparation, photography, and printing processes and 4 years applicable experience, or High School diploma and 8 years applicable experience.	4	<p>Prepares graphic illustrations for various projects and publications. Completes assignments from concept phase through production for a wide variety of graphics projects. Coordinates and prepare graphic design illustrations for review and approval.</p> <p>Develops and maintains documentation and graphics for applicable manuals, guides, briefings, specifications, and other project related documentation.</p> <p>Must have a working knowledge of electronic publishing and graphics software, have the capability to import text, graphics, and images, and be familiar with document scanning</p> <p>Responsible for independently planning, designing, and developing graphics for technical documentation and producing high quality documents ready for publication.</p>
Graphics Specialist II	Associates degree or a certificate in graphic design with experience in artwork preparation, photography, and printing processes and 2 years applicable experience or High School diploma and 5 years applicable experience.	2	<p>Prepares graphic illustrations for various projects and publications. Completes assignments from concept phase through production for a wide variety of graphics projects. Coordinates and prepare graphic design illustrations for review and approval.</p> <p>Develops and maintains documentation and graphics for applicable manuals, guides, briefings, specifications, and other project related documentation.</p> <p>Must have a working knowledge of electronic publishing and graphics software, have the capability to import text, graphics, and images, and be familiar with document scanning</p> <p>Under supervision, assists in the planning, designing, and developing graphics for technical documentation and producing high quality documents ready for publication.</p>

PES Incidental Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Graphics Specialist I	Associates degree or a certificate in graphic design with experience in artwork preparation, photograph, and printing processes and 0 years experience, or High School diploma and 2 years applicable experience.	0	<p>This is an entry-level position. Under supervision, prepares graphic illustrations for various projects and publications. Completes assignments from concept phase through production for specific graphic projects.</p> <p>Develops and maintains graphics for applicable manuals, guides, briefings, specifications, and other project related documentation.</p> <p>Should have a basic knowledge of electronic publishing and graphics software, the capability to import text, graphics, and images, and be familiar with document scanning procedures.</p>
Administrative Support III	Associates degree in Business or related discipline from an accredited college or university and 8 years applicable experience, or High School diploma and 12 years applicable experience	8	<p>Performs general administrative duties in support of contract requirements.</p> <p>Responsible for preparing and maintaining documentation for contract required briefings, reviews, and reports.</p> <p>Prepares designed reports for management and customers. Coordinates and tracks the status of contract requirements.</p> <p>Responsible for independently planning, designing, and developing administrative documentation using a personal computer and producing high quality documents ready for distribution.</p> <p>Oversees execution of simultaneous tasks. Responsible for administrative document review prior to technical reviews.</p>

PES Incidental Labor Category Descriptions

Labor Category	Education, Training, etc.	Years Exp.	Description
Administrative Support II	Associates degree in Business or related discipline from an accredited college or university and 4 years experience, or High School diploma and 8 years applicable experience	4	<p>Performs general administrative and clerical duties in support of contract requirements.</p> <p>Responsible for preparing and maintaining documentation for contract required briefings, reviews, and reports.</p> <p>Prepares designed reports for management and customers. Responds to inquiries and provides information in accordance with contract requirements.</p> <p>Responsible for independently planning and developing administrative documentation using a personal computer and producing high quality documents ready for distribution.</p>
Administrative Support I	Associates degree in Business or related discipline from an accredited college or university and 0 years experience, or High school diploma and 2 years applicable experience	0	<p>Performs general administrative and clerical duties in support of contract requirements.</p> <p>Assists in preparing and maintaining documentation for contract required briefings, reviews, and reports.</p> <p>Under supervision, prepares designed reports for management and customers and responds to inquiries.</p> <p>Responsible for developing administrative documentation using a personal computer and producing high quality documents ready for distribution.</p>

Authorized Federal Supply Schedule Price List

Effective Dates	4/25/06-4/24/07	4/25/06-4/24/07	4/25/07-4/24/08	4/25/07-4/24/08	4/25/08-4/24/09	4/25/08-4/24/09	4/25/09-4/24/10	4/25/09-4/24/10	4/25/10-4/24/11	4/25/10-4/24/11
PES Labor Category	Contractor Facility Rate	Customer Facility Rate								
Program Manager 4	\$148.75	\$135.45	\$154.40	\$140.60	\$160.26	\$145.94	\$166.35	\$151.48	\$172.68	\$157.24
Program Manager 3	\$134.02	\$122.03	\$139.11	\$126.66	\$144.39	\$131.48	\$149.88	\$136.47	\$155.58	\$141.66
Program Manager 2	\$110.26	\$100.40	\$114.45	\$104.21	\$118.80	\$108.17	\$123.31	\$112.28	\$128.00	\$116.55
Program Manager 1	\$91.59	\$83.40	\$95.07	\$86.57	\$98.69	\$89.86	\$102.44	\$93.28	\$106.33	\$96.82
Principal Investigator	\$132.21	\$120.40	\$137.23	\$124.97	\$142.45	\$129.72	\$147.86	\$134.65	\$153.48	\$139.77
Engineer / Scientist VII	\$125.05	N/A	\$129.80	N/A	\$134.73	N/A	\$139.85	N/A	\$145.17	N/A
Engineer / Scientist VI	\$116.62	\$106.20	\$121.05	\$110.23	\$125.65	\$114.42	\$130.43	\$118.77	\$135.38	\$123.28
Engineer / Scientist V	\$99.45	\$90.56	\$103.23	\$94.00	\$107.15	\$97.57	\$111.22	\$101.28	\$115.45	\$105.12
Engineer / Scientist IV	\$89.86	\$81.84	\$93.27	\$84.95	\$96.82	\$88.17	\$100.50	\$91.52	\$104.32	\$95.00
Engineer / Scientist III	\$71.17	\$64.81	\$73.87	\$67.28	\$76.68	\$69.83	\$79.59	\$72.49	\$82.61	\$75.24

Authorized Federal Supply Schedule Price List

Effective Dates	4/25/06-4/24/07	4/25/06-4/24/07	4/25/07-4/24/08	4/25/07-4/24/08	4/25/08-4/24/09	4/25/08-4/24/09	4/25/09-4/24/10	4/25/09-4/24/10	4/25/10-4/24/11	4/25/10-4/24/11
PES Labor Category	Contractor Facility Rate	Customer Facility Rate								
Engineer / Scientist II	\$64.53	\$58.75	\$66.98	\$60.98	\$69.53	\$63.30	\$72.17	\$65.71	\$74.91	\$68.20
Engineer / Scientist I	\$52.43	\$47.74	\$54.42	\$49.55	\$56.49	\$51.43	\$58.64	\$53.39	\$60.86	\$55.42
Engineer / Scientist 0	\$41.94	\$38.19	\$43.53	\$39.64	\$45.18	\$41.15	\$46.90	\$42.71	\$48.68	\$44.33
Programmer / Analyst V	\$106.57	\$97.04	\$110.62	\$100.73	\$114.82	\$104.56	\$119.19	\$108.53	\$123.72	\$112.66
Programmer / Analyst IV	\$94.94	\$86.44	\$98.54	\$89.73	\$102.29	\$93.14	\$106.17	\$96.68	\$110.21	\$100.35
Programmer / Analyst III	\$86.81	\$79.05	\$90.11	\$82.06	\$93.53	\$85.18	\$97.08	\$88.41	\$100.77	\$91.77
Programmer / Analyst II	\$70.54	\$64.24	\$73.22	\$66.68	\$76.01	\$69.22	\$78.89	\$71.85	\$81.89	\$74.58
Programmer / Analyst I	\$55.22	\$50.28	\$57.32	\$52.19	\$59.50	\$54.17	\$61.76	\$56.23	\$64.11	\$58.37
Programmer / Analyst 0	\$46.95	\$42.76	\$48.73	\$44.38	\$50.58	\$46.07	\$52.51	\$47.82	\$54.50	\$49.63
Technician VI	\$78.14	\$71.15	\$81.11	\$73.86	\$84.19	\$76.67	\$87.39	\$79.58	\$90.71	\$82.60
Technician V	\$59.93	\$54.59	\$62.21	\$56.66	\$64.58	\$58.82	\$67.03	\$61.05	\$69.58	\$63.37
Technician IV	\$55.74	\$50.75	\$57.86	\$52.68	\$60.06	\$54.68	\$62.34	\$56.76	\$64.71	\$58.91

Authorized Federal Supply Schedule Price List

Effective Dates	4/25/06-4/24/07	4/25/06-4/24/07	4/25/07-4/24/08	4/25/07-4/24/08	4/25/08-4/24/09	4/25/08-4/24/09	4/25/09-4/24/10	4/25/09-4/24/10	4/25/10-4/24/11	4/25/10-4/24/11
PES Labor Category	Contractor Facility Rate	Customer Facility Rate								
Technician III	\$44.72	\$40.72	\$46.42	\$42.27	\$48.18	\$43.87	\$50.01	\$45.54	\$51.91	\$47.27
Technician II	\$40.06	\$36.48	\$41.58	\$37.86	\$43.16	\$39.30	\$44.80	\$40.79	\$46.50	\$42.34
Technician I	\$27.09	\$24.66	\$28.12	\$25.60	\$29.19	\$26.57	\$30.30	\$27.58	\$31.45	\$28.63
Technician 0	\$24.49	\$22.31	\$25.42	\$23.15	\$26.38	\$24.03	\$27.39	\$24.95	\$28.43	\$25.90
Program Analyst	\$53.39	\$48.62	\$55.42	\$50.47	\$57.53	\$52.39	\$59.72	\$54.38	\$61.99	\$56.44
Senior Technical Writer	\$60.38	\$54.98	\$62.67	\$57.07	\$65.06	\$59.24	\$67.53	\$61.49	\$70.09	\$63.83
Technical Writer	\$47.26	\$43.04	\$49.06	\$44.67	\$50.92	\$46.37	\$52.86	\$48.13	\$54.86	\$49.96
Graphics Specialist III	\$51.09	\$46.52	\$53.03	\$48.29	\$55.05	\$50.13	\$57.14	\$52.03	\$59.31	\$54.01
Graphics Specialist II	\$35.06	\$31.93	\$36.40	\$33.14	\$37.78	\$34.40	\$39.21	\$35.71	\$40.70	\$37.07
Graphics Specialist I	\$34.02	\$30.96	\$35.31	\$32.14	\$36.65	\$33.36	\$38.04	\$34.63	\$39.49	\$35.95
Administrative Support III	\$42.31	\$38.53	\$43.92	\$39.99	\$45.59	\$41.51	\$47.32	\$43.09	\$49.12	\$44.73

Authorized Federal Supply Schedule Price List

Effective Dates	4/25/06- 4/24/07	4/25/06- 4/24/07	4/25/07- 4/24/08	4/25/07- 4/24/08	4/25/08- 4/24/09	4/25/08- 4/24/09	4/25/09- 4/24/10	4/25/09- 4/24/10	4/25/10- 4/24/11	4/25/10- 4/24/11
PES Labor Category	Contractor Facility Rate	Customer Facility Rate								
Administrative Support II	\$39.13	\$35.63	\$40.62	\$36.99	\$42.16	\$38.39	\$43.77	\$39.85	\$45.43	\$41.37
Administrative Support I	\$29.58	\$26.95	\$30.71	\$27.97	\$31.87	\$29.03	\$33.09	\$30.14	\$34.34	\$31.28

Ordering Procedures

General

Ordering activities shall use the procedures in Federal Acquisition Regulation (FAR) 8.405-2 when ordering Schedule contract services priced at hourly rates. The applicable services will be identified in Schedule publications and contractors' Schedule pricelist. (**Note:** Ordering activities shall use the procedures in FAR 8.405-1, Ordering Procedures for Supplies, and Services Not Requiring a Statement of Work (SOW), when ordering Schedule contract supplies and fixed-price services for a specific task, where a Statement of Work is not required—e.g., installation, maintenance, and repair.)

When ordering services requiring a Statement of Work, ordering activities shall—

Prepare a Request for Quotation (RFQ) that includes:

A Statement of Work

To the maximum extent practicable, agency requirements shall be performance-based statements.

All SOWs shall include the work to be performed, the location of the work, the period of performance, the deliverable schedule, the applicable performances standards, and any special requirements (e.g., security clearances, travel, and special knowledge).

Evaluation

The ordering activity shall evaluate all responses received using the evaluation criteria provided to the scheduled contractors. The ordering activity is responsible for considering the level of effort and the mix of labor proposed to perform a specific task being ordered, and for determining that the total price is reasonable. Place the order, or establish the BPA, with the schedule contractor that represents the best value (see 8.404(d)). After award, ordering activities should provide timely notification to unsuccessful offerors and unsuccessful offeror requests information on an award that was based on factors other than price alone, a brief explanation of the basis for the award decision shall be provided.

Request for Quotation Procedures:

The ordering activity must provide the Request for Quotation (RFQ), which includes the statement of work and evaluation criteria (e.g., experience and past performance), to schedule contactors that offer services that will meet the agency's needs. The RFQ may be posted to GSA's electronic RFQ system, e-Buy (see 8.402(d)).

- **Orders at, or below, the micro-purchase threshold.** Ordering activities may place orders at, or below, the micro-purchase threshold with any Federal Supply Schedule contractor that can meet the agency's needs. The ordering activity should attempt to distribute orders among contractors.
- **For orders exceeding the micro-purchase threshold, but not exceeding the maximum order threshold.**
 - The ordering activity shall develop a statement of work, in accordance with 8.405-2(b).
 - The ordering activity shall provide the RFQ (including statement of work and evaluation criteria) to at least three schedule contractors that offer services that will meet the agency's needs.
 - The ordering activity should request that contractors submit firm-fixed prices to perform the services identified in the statement of work.
- **For proposed orders exceeding the maximum order threshold or when establishing a BPA.** In addition to meeting the requirements of 8.405-2(c)(2), the ordering activity shall-
 - Priced the RFQ (including the statement of work and evaluation criteria) to additional schedule contractors that offer services that will meet the needs of the ordering activity. When determining the appropriate number of additional schedule contractors, the ordering activity may consider, among other factors, the following:
 - The complexity, scope, and estimated value of the requirement.
 - The market search results.
 - See price reductions.
 - The ordering activity shall provide the RFQ (including the statement of work and the evaluation criteria) to any schedule contractors who request a copy of it.

Blanket Purchase Agreements (BPAs)

The ordering activity shall evaluate all responses received using the evaluation criteria in the RFQ.

In accordance with Federal Acquisition Regulation (FAR) 8.405-3, ordering activities may establish BPAs under and GSA Schedule contract. A GSA Schedule BPA simplifies the filling of recurring needs for supplies or services, while leveraging a customer's buying power by taking advantage of quantity discounts, saving administrative time, and reducing paperwork.

Documentation

The ordering office, at a minimum, should document orders by identifying the contract the service were purchased from, 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.