

NORTHROP GRUMMAN

DEFINING THE FUTURE



PES Schedule Catalog

AUTHORIZED FEDERAL SUPPLY SERVICE
SCHEDULE PRICE LIST
FOR
PROFESSIONAL ENGINEERING SERVICES (PES)
SCHEDULE

SPECIAL ITEM NUMBERS (SIN):

- SIN 872-1 Strategic Planning For Technology Programs/Activities
- SIN 872-2 Concept Development And Requirements Analysis
- SIN 872-3 System Design, Engineering And Integration
- SIN 872-4 Test and Evaluation
- SIN 872-5 Integrated Logistics Support
- SIN 872-6 Acquisition and Life Cycle Management

ENGINEERING DISCIPLINES COVERED UNDER EACH SIN (PLEASE SEE PAGES 6-12 FOR GREATER DETAIL)

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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Contract Number GS-23f-0058k

Period Covered By Contract: December 10, 1999 – December 9, 2009
(Two Five-Year Option Periods Available)

Price List Current as of Modification Number PS 11 dated 27 September 2005

Products and ordering information in this Authorized Professional Engineering Services Schedule Price List are also available on the GSA Advantage! System. Agencies can browse GSA Advantage! Home Page via Internet at www.gsa.gov.

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1.0 OVERVIEW OF NGMS SERVICE OFFERINGS

NGMS is a multinational corporation with headquarters in Reston, VA. Our 16,000 employees address a broad spectrum of technology-driven programs and projects, in many markets, for hundreds of clients.

NGMS offers a full range of professional engineering services to all agencies and departments, both defense and civil, of the Federal Government. Under our GSA Professional Engineering Services Schedule, we serve the 48 contiguous states, the District of Columbia, Alaska, Hawaii, the Commonwealth of Puerto Rico, and all U.S. Government installations and/or agencies abroad.

Our PES Services include expertise in modeling and simulation, network engineering, communications, control systems, weapons systems, defense operations, logistics, test and evaluation, aerospace, transportation, medicine, and health, energy and environmental systems, robotics, intelligence, security, sensors and instrumentation, signal processing, critical infrastructure protection, mission planning, systems acquisition, systems analysis, and systems integration. Service offerings are organized into the following Special Item Number (SIN) functional areas:

Special Item Numbers (SIN):

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

The following engineering disciplines are covered under each SIN. (A more detailed explanation of each discipline follows the description of the SINs):

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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.

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

The following engineering disciplines are covered under this SIN

- Chemical Engineering

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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.

Inappropriate use of this SIN is providing professional engineering services not specifically related to concept development and requirements analysis and its associated disciplines.

The following engineering disciplines are covered under this SIN

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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.

Inappropriate use of this SIN is providing professional engineering services not specifically related to concept development and requirements analysis and its associated disciplines.

The following engineering disciplines are covered under this SIN

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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.

Inappropriate use of this SIN is providing professional engineering services not specifically related to testing and evaluating and its associated disciplines.

The following engineering disciplines are covered under this SIN

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

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.

Inappropriate use of this SIN is providing professional engineering services not specifically related to integrated logistics support and its associated disciplines.

The following engineering disciplines are covered under this SIN

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

871-6 ACQUISITION AND LIFE CYCLE MANAGEMENT

Services required under this SIN involve all of the planning, budgetary, contract and systems/program management 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, technology transfer/insertion, training, privatization and outsourcing.

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

The following engineering disciplines are covered under this SIN

- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

2.0 ENGINEERING DISCIPLINE DEFINITIONS

The contractor shall provide all resources including personnel, management, supplies, services, materials, equipment, facilities and transportation necessary to provide a wide range of professional engineering services as specified in each task order. Services specified in a task order may be performed at the contractor’s facilities or the ordering agencies’ facilities.

There are four primary disciplines in the engineering field and hundreds of sub-disciplines or specialties associated with engineering disciplines. Below is a list of primary engineering disciplines with a partial list of sub-disciplines or specialties contemplated under PES. For specialties asterisked below, see paragraph entitled “Services Not Included”, for limitations on the extent to which the specialty is included.

CHEMICAL ENGINEERING:

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

✓ Refining	✓ Petrochemicals	✓ Food
✓ Pharmaceuticals	✓ Textiles	✓ Pulp and Paper
✓ Ceramics	✓ Electronic Components & Chemicals	✓ Biotechnology
	✓ Other Chemical Engineering	✓ Safety engineering
	Specialties not listed in the “Services not Included Paragraph”	

CIVIL ENGINEERING:

Planning, evaluation and constructed infrastructure of facilities and buildings, transportation systems, water, earthworks, and other structures. It includes, but is not limited to, planning, evaluation, and operations of bridges, dams, airports, highways, transportation systems, large buildings, power generating plants, sewage systems, water resources and supply, waste treatment facilities, soil, rock, etc. It also includes the manufacture, production, furnishing, construction, alteration, repair, processing or assembling of vessels, aircraft, or other kinds of personal property, including heating, ventilation and air-conditioning.

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

✓ Structural*	✓ Transportation	▣ Surveying
✓ Water resources	✓ Geotechnical	
✓ Other Civil Engineering Specialties not listed in the “Services not Included Paragraph”		

ELECTRICAL ENGINEERING:

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

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

✓ Aerospace and Electronic Systems	✓ Antennas and Propagation	✓ Broadcast Technology
✓ Circuits and Systems	✓ Communications	✓ Components Packaging, and Manufacturing Technology
✓ Dielectrics and Electrical Insulation	✓ Consumer Electronics	✓ Control Systems
✓ Geoscience & Remote Sensing	✓ Education	✓ Electromagnetic Compatibility
✓ Information Theory	✓ Engineering Management	✓ Engineering in Medicine and Biology
✓ Lasers & Electro-Optics	✓ Industrial Electronics	
	✓ Intelligent Transportation Systems	
✓ Nuclear and Plasma Sciences	✓ Magnetics	✓ Industry Applications
✓ Power Electronics	✓ Neural Networks Council	✓ Instrumentation and Measurement
✓ Reliability	✓ Power Engineering	✓ Microwave Theory and Techniques
✓ Solid-State Circuits	✓ Robotics & Automation	✓ Oceanic Engineering
✓ Vehicular Technology	✓ Systems, Man, and Cybernetics	✓ Professional Communication
✓ Signal Processing on Social Implications of Technology	✓ Ultrasonics, Ferroelectrics, and Frequency Control	✓ Other Electrical Engineering Specialties not listed in the "Services not Included Paragraph"

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.).

✓ ASME Heat Transfer/K16	✓ Advanced Energy Systems	✓ Aerospace Engineering
✓ Applied Mechanics	✓ Bioengineering	
✓ Dynamic Systems and Control	✓ Electrical and Electronic Packaging	✓ Environmental Engineering*

✓ Fluids Engineering	✓ Fluids Power Systems and Technology Systems	✓ Fuels and Combustion Technologies
✓ Heat Transfer	✓ Information Storage and Processing Systems	✓ Internal Combustion Engine
✓ International Gas Turbine	✓ Manufacturing Engineering*	✓ Microchannel flow and heat transfer
✓ Materials	✓ Management	✓ Nuclear Engineering
✓ Noise Control and Acoustics	✓ Materials Handling Engineering*	✓ Petroleum
✓ Ocean Engineering	✓ Non-Destructive Evaluation Engineering	✓ Pressure Vessels and Piping
✓ Plant Engineering and Maintenance	✓ Offshore Mechanics and Arctic Engineering	✓ Safety Engineering and Risk Analysis
✓ Process Industries Solar Energy	✓ Rail Transportation	✓ Technology and Society
✓ Textile Engineering	✓ Power	✓ Solid Waste Processing
✓ Tribology	✓ Other Mechanical Engineering Specialties not listed in the "Services not Included Paragraph"	

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
- 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
- O&M (operation and maintenance)
- Operations Research (Non R&D)
- Permitting and Licensing

- Plan, organize, establish, implement, manage, maintain, upgrade and control of technical systems
- Privatization
- Program and Project management
- Prototype development and first article(s) production
- Radar/Sonar
- Regulatory compliance support
- Reliability and Maintainability Analysis
- Reverse engineering
- Signal processing
- Simulation and modeling
- Site development
- Source data development (forward engineering hardware and software systems)
- Source data validation (existing hardware and software systems)
- Special projects and studies
- 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

***SERVICES NOT INCLUDED:**

1. **Construction and Architect-Engineering services** as set forth in FAR Part 36 (including construction, alteration or repair (including dredging, excavating and painting) of buildings, structures, or other real property).
2. **Computer Engineering and Information Technology.** Clients interested in computer/software engineering and information technology services are directed to use NGMS' Information Technology Services Schedule (contract number GS-35F-4522G)
3. **Environmental Advisory Services** – Please use NGMS' Environmental Advisory Services Schedule (contract number GS-10F-0178J)
 - Environmental Planning Services & Documentation (i.e., environmental impact statements; endangered species, wetlands, watersheds and other natural resource management plans, studies and consultations; archeological, historic and other cultural resources management plans, studies, and consultations; economic, technical, and risk analyses in support of environmental needs)
 - Environmental compliance services (i.e., environmental compliance audits; compliance management planning; pollution prevention surveys;
 - Environmental/occupational training services specific to environmental planning and environmental compliance as discussed above (i.e., conventional course development and presentation; customized courses to meet specific needs; computer-based interactive course development)
 - Waste management services (i.e., data collection, data development, analyses of comments, regulatory and economic analyses, feasibility analyses, hazard assessments, exposure assessments, and risk analyses. Examples include, but are not limited to development of waste characterization studies and recommendations for management strategy including identification of recycling options. Assessments might include studies relating to collection and transfer of waste, source reduction, and evaluation of energy/fuel options. Services could include data collection, data development, analyses of comments, regulatory and economic analyses, feasibility analyses, hazard assessments, exposure assessments and risk analyses.

- Hazardous materials management advisory services (i.e., furnishing of Material Safety Data Sheets (MSDS) by compact disc, on-line via Internet, mail or facsimile (FAX); reporting and compliance software, hazardous materials tracking software and other related software/services).
 - Telephone advisory services (i.e., telephone assistance with hazardous material spills, poisons, MSDS, and other related services).
4. **Foundations and Landscaping Engineering.**
 5. **Heating, Ventilation and Air-Conditioning (HVAC)** related to buildings, structures, or other real property set forth for Construction and Architect-Engineering services governed by FAR Part 36. Please note that HVAC related to the manufacture, production, furnishing, construction, alteration, repair, processing or assembling of vessels, aircraft, or other kinds of personal property IS included and solicited within the scope of PES.
 6. **Research and Development** as set forth in FAR Part 35.
 7. **Products/materials already solicited under other Federal Supply Service (FSS) Schedule** contracts (e.g., information technology, paper, chemicals, pharmaceuticals, laboratory instruments, etc.). However, PES contractors may team across FSS Schedules to provide a total solution to agency requirements.

3.0 OVERVIEW OF NGMS PRICES

The common thread throughout all NGMS organizations and programs is the outstanding quality of our personnel. Our staff provides both breadth and depth of professional engineering services technical capabilities. In delivering our PES service offerings, we will tap into an extremely wide range of skill sets – 126 separate labor categories have been identified. Table 3-1 presents the qualifications associated with each labor category. Table 3-2 thru Table 3-6 presents the NGMS Contractor Site and the Government Site hourly and daily rates for each labor category.

Rates shown are valid for performance on a contract year basis, changing on December 10 yearly. The current contract runs through December 9, 2009.

Education/Experience substitution policy is outlined below:

Degree	Degree & Experience Substitution	Related Experience Substitution
Associate's	2 years	2 years
Bachelor's	Associate's + 2 years	4 years
Master's	Bachelor's + 2 years	6 years
Doctorate	Master's + 4 years	10 years

Training:

NGMS' approach to training begins at the project or program level with identified training requirements. To meet those requirements, there currently is available to employees a library of 204 computer-based training courses. In addition, resident training courses provided by external vendors are offered on a recurring basis to meet existing or new training requirements identified by projects and programs.

Table 3-1. Qualifications Associated with Each Labor Category

NGMS' PES Labor Category Qualifications		
	Labor Category	Description
1	Senior Manager	Requires a Bachelor's degree in computer science, engineering, mathematics, business, management, or equivalent with 20 years experience, of which a minimum of 10 years must be specialized in managing projects, contracts, funds and resources.
2	Project Manager	Requires a Bachelor's degree in computer science, engineering, mathematics, business, management, or equivalent with 15 years experience, of which a minimum of 6 years must be specialized in managing projects, contracts, funds and resources.
3	Support Program Director	Requires a Bachelor's degree and 13 years of progressively more responsible experience in systems support and management. Manages and directs the daily tasks required to perform ongoing support and operations/maintenance activities. Interfaces with government management personnel, contract managers, and customer agency representatives. Develops and enforces work standards, assigns contractor schedules, reviews work quality, communicates goals, objectives, and policies of the organization to subordinates. Provides leadership for the project team, coordinates with the functional organizations—HR, finance, contracts and pricing—and supervises senior managers within the project organization. Manages multiple, large task orders ensuring conformance to task specifications and contract provisions. Directs, oversees, and controls a team of multidisciplinary personnel to accomplish the overall management of the contract.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
4	Deputy Support Program Director	Requires a Bachelor's degree and 9 years of progressively more responsible experience in systems support and management. Manages and directs the daily tasks required to perform ongoing support and operations/maintenance activities. Interfaces with government management personnel, contract managers, and customer agency representatives. Assists with developing and enforcing work standards, assigning contractor schedules, reviewing work quality, communicating goals, objectives and policies of the organization to subordinates. Supports the leadership of the project team, coordinates with the functional organizations–HR, finance, contracts and pricing–and supervises senior managers within the project organization. Manages single, large task orders or multiple small task orders ensuring conformance to task specifications and contract provisions. Provides expertise to conduct investigations and studies, and presents recommendations and solutions related to short-and long-range program planning requirements. Classifies and summarizes data for preparation and submission of reports on a recurring basis. Can serve as the Support Program Director in the absence of the Program Director.
5	Support Program Manager	Requires a Bachelor's degree and 6 years of progressively more responsible experience in systems support and management. Manages one or more small task orders in the following areas: performance of the assigned task or task area including cost, schedule, and technical performance. Provides leadership to the task team. Manages and directs the daily tasks required to perform ongoing support and operations/maintenance activities. Interfaces with the customer for a task area, and manages the overall task. Directs, oversees, and controls a team of multidisciplinary personnel to accomplish engineering activities of the separate task areas.
6	Technical Program Manager	Requires a Bachelor's degree and 10 years experience (or equivalent combination of education and experience). Relevant experience includes, but is not limited to, experience in managing projects, contracts, funds, and resources. Duties may include contract management, large project management, and interface with the customer.
7	Technical Manager	Requires a Bachelor's degree and 7 years experience (or equivalent combination of education and experience). Relevant experience includes, but is not limited to, progressive hardware/software development experience and management of contracts. Duties may include managing technical areas of projects and serving as the focal point for questions about projects.
8	Strategic Planner	Requires a Bachelor's degree with 15 years experience of which a minimum of 6 years must be specialized in strategic planning, process re-engineering, functional requirements development, or organizational redesign.
9	Senior Quality Assurance Specialist	Requires a Bachelors degree and 6 years of experience of which a minimum of 4 years of experience must involve the development, inspection, or certification of quality assurance standards, requirements, and procedures for engineering systems or processes.
10	Quality Assurance Specialist	Requires a Bachelors degree and 2 years of experience of which a minimum of 1 year of experience must involve the development, inspection, or certification of quality assurance standards, requirements, and procedures for engineering systems or processes.
11	Systems Technologist I	Requires a Bachelor's degree in engineering, physics, mathematics, computer science or related technical discipline and 17 years of experience of which a minimum of 10 years must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment.
12	Systems Technologist II	Requires a Bachelor's degree in engineering, physics, mathematics, computer science or related technical discipline and 12 years of experience of which a minimum of 7 years must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment.
13	Systems Technologist III	Requires a Bachelor's degree in engineering, physics, mathematics, computer science or related technical discipline and 9 years of experience of which a minimum of 4 years must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment.
14	Systems Technologist IV	Requires a Bachelor's degree in engineering, physics, mathematics, computer science or related technical discipline and 6 years of experience of which a minimum of 2 years must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
15	Systems Technologist V	Requires a Bachelor's degree in engineering, physics, mathematics, computer science or related technical discipline and 4 years of experience of which a minimum of 1 year must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment.
16	Senior Functional Analyst	Requires a Bachelor's degree with 15 years experience of which a minimum of 6 years must be specialized in systems design and analysis, functional requirements analysis, or modeling.
17	Functional Analyst	Requires a Bachelor's degree with 10 years experience of which a minimum of 4 years must be specialized in systems design and analysis, functional requirements analysis, or modeling.
18	Associate Functional Analyst	Requires a Bachelor's degree with 3 years experience of which a minimum of 1 year must be specialized in systems design and analysis, functional requirements analysis, or modeling.
19	Technical Analyst I	Requires a Master's degree and 10 years experience. Relevant experience includes, but is not limited to, extensive knowledge of analytical techniques, experience in gathering data to solve complex technical problems (e.g., requirements definition, operations research, modeling), and team leader responsibilities. Duties may include analysis of complex problems, definition of functional requirements, operations research, modeling, process analysis and design, developing and providing training materials, and providing daily supervision.
20	Technical Analyst II	Requires a Bachelor's degree and 10 years experience. Relevant experience includes, but is not limited to, substantial knowledge of analytical techniques, experience in gathering data to solve complex technical problems (e.g., requirements definition, operations research, modeling), and team leader responsibilities. Duties may include analysis of complex problems, definition of functional requirements, operations research, modeling, process analysis and design, developing and providing training materials, and providing daily supervision.
21	Technical Analyst III	Requires a Bachelor's degree and 5 years experience. Relevant experience includes, but is not limited to, knowledge of analytical techniques, experience in gathering data to solve complex technical problems (e.g., requirements definition, operations research, modeling), and team leader responsibilities. Duties may include analysis of complex problems, definition of functional requirements, operations research, modeling, process analysis and design, developing and providing training materials, and providing daily supervision.
22	Technical Analyst IV	Requires a Bachelor's degree and 2 years experience. Relevant experience includes, but is not limited to, knowledge of analytical techniques and experience in gathering data to solve complex technical problems (e.g., requirements definition, operations research, modeling). Duties may include analysis of complex problems, definition of functional requirements and developing and providing training materials.
23	Technical Support Analyst	Requires a Bachelor's degree and experience with the analysis of technical problems and definition of requirements. Works under the guidance of a more senior leader or manager.
24	Senior Hardware Systems Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 10 years experience of which a minimum of 4 years must be specialized in the design, integration, and installation of hardware systems.
25	Hardware Systems Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 5 years experience of which a minimum of 2 years must be specialized in the design, integration, and installation of hardware systems.
26	Junior Hardware Systems Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with training in the design, integration, and installation of hardware systems.
27	Senior Systems Engineer/Architect	Requires a Bachelor's degree and 15 years experience (or equivalent combination of education and experience). Relevant experience includes, but is not limited to, supervisory experience, expert knowledge of system analysis and design methodologies and tools, and experience with large and complex systems. Duties may include performing, leading, and coordinating the analysis and design of system architectures to include software, hardware, and communications and system development, integration, and migration.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
28	Systems Engineer/Architect	Requires a Bachelor's degree and 7 years experience (or equivalent combination of education and experience). Relevant experience includes, but is not limited to, knowledge of system analysis and design methodologies and tools, and experience with large and complex systems. Duties may include performing and sometimes leading architecture analysis and design; system development, integration, and migration.
29	Principal Hardware Architect	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 15 years experience of which a minimum of 6 years must be specialized in the architectural design and systems integration of hardware systems including requirements analysis, site surveys, and hardware installation.
30	Principal Software Architect	Requires a Bachelor's degree in computer science, engineering, mathematics or equivalent with 15 years experience of which a minimum of 6 years must be specialized in software requirements analysis, design analysis, programming, integration, documentation, and test and evaluation.
31	Senior Software Developer	Requires a Bachelor's degree in computer science, engineering, mathematics or equivalent with 10 years experience of which a minimum of 4 years must be specialized in software requirements analysis, design analysis, programming, integration, documentation, or test and evaluation.
32	Software Developer	Requires a Bachelor's degree in computer science, engineering, mathematics or equivalent with 5 years experience of which a minimum of 2 years must be specialized in software requirements analysis, design analysis, programming, integration, documentation, or test and evaluation.
33	Junior Software Developer	Requires a Bachelor's degree in computer science, engineering, mathematics or equivalent with training in software requirements analysis, design analysis, programming, integration, documentation, or test and evaluation.
34	Senior Database Developer	Requires a Bachelor's degree with 10 years experience of which a minimum of 4 years must be specialized in database development and administration.
35	Database Developer	Requires a Bachelor's degree with 5 years experience of which a minimum of 2 years must be specialized in database development administration.
36	Junior Database Developer	Requires a Bachelor's degree with training in database development and administration.
37	Principal Communications Architect	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 15 years experience of which a minimum of 6 years must be specialized in the architectural design and systems integration of advanced data or voice communication systems.
38	Senior Communications Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 10 years experience of which a minimum of 4 years must be specialized in the design, integration, or operation of advanced data or voice communication systems.
39	Communications Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with 5 years experience of which a minimum of 2 years must be specialized in the design, integration, or operation of advanced data or voice communication systems.
40	Junior Communications Engineer	Requires a Bachelor's degree in engineering, physics, computer science, or equivalent with training in the design, integration, or operation of advanced data or voice communication systems.
41	Senior Mathematician	Requires a Bachelor's degree in mathematics or related technical discipline and 8 years of experience of which a minimum of 5 years must involve the mathematical analysis, modeling, or statistical treatment of data sets or analytic representations of engineering or management systems.
42	Mathematician	Requires a Bachelor's degree in mathematics or related technical discipline and 3 years of experience of which a minimum of 2 years must involve the mathematical analysis, modeling, or statistical treatment of data sets or analytic representations of engineering or management systems.
43	Junior Mathematician	Requires a Bachelor's degree in mathematics or related technical discipline and familiarity with the mathematical analysis, modeling, or statistical treatment of data sets or analytic representations of engineering or management systems.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
44	Senior Naval Architect	Requires a Bachelor of Science degree in Naval Architecture, Marine Engineering, Ocean Engineering or equivalent and 15 years of experience of which a minimum of 8 years must involve design and analysis of the hydrodynamic aspects of ship design with specific expertise in the areas of propulsion, maneuvering or seakeeping.
45	Naval Architect	Requires a Bachelor of Science degree in Naval Architecture, Marine Engineering, Ocean Engineering or equivalent and 7 years of experience of which a minimum of 4 years must involve design and analysis of the hydrodynamic aspects of ship design with specific expertise in the areas of propulsion, maneuvering or seakeeping.
46	Junior Naval Architect	Requires a Bachelor of Science degree in Naval Architecture, Marine Engineering, Ocean Engineering or equivalent and knowledge of ships and related operational systems.
47	Principal Information Technologist	Requires a Bachelor's degree in computer science, engineering, mathematics, or equivalent with 12 years experience of which a minimum of 5 years must be specialized in the architectural design and systems integration of advanced information technology systems.
48	Senior Information Technologist	Requires a Bachelor's degree in computer science, engineering, mathematics, or equivalent with 7 years experience of which a minimum of 3 years must be specialized in the design, integration, or operation of advanced information technology systems.
49	Information Technologist	Requires a Bachelor's degree in computer science, engineering, mathematics, or equivalent with 3 years experience of which a minimum of 1 year must be specialized in the design, integration, or operation of advanced information technology systems.
50	Junior Information Technologist	Requires a Bachelor's degree in computer science, engineering, mathematics, or equivalent with training in the design, integration, or operation of advanced information technology systems.
51	Senior Economic Analyst	Requires a Bachelor's degree in finance, accounting, business or equivalent with 10 years experience of which a minimum of 4 years must be specialized in financial analysis of government or commercial programs.
52	Economic Analyst	Requires a Bachelor's degree in finance, accounting, business or equivalent with 5 years experience of which a minimum of 2 years must be specialized in financial analysis of government or commercial programs.
53	Junior Economic Analyst	Requires a Bachelor's degree in finance, accounting, business or equivalent.
54	Senior Training Manager	Requires a Bachelor's degree in management, training, education or equivalent with 15 years experience of which a minimum of 6 years must be specialized in managing the design, development, and delivery of training products and services.
55	Senior Instructor	Requires a Bachelor's degree in education, training or equivalent with 10 years experience of which a minimum of 4 years must be specialized in the delivery of training instruction and services.
56	Instructor	Requires a Bachelor's degree in education, training or equivalent with 3 years experience of which a minimum of 1 year must be specialized in the delivery of training instruction and services.
57	Senior Technical Writer	Requires an Associate's degree and 8 years experience in the preparation of written instructions, procedures, reports, minutes, hardware/software descriptions, and other technical documentation in accordance with applicable regulations and new releases of technical material. Experienced in applying word processing techniques to technical or scientific subject matter.
58	Technical Writer	Requires an Associate's degree. Capable of preparing written instructions, procedures, reports, minutes, hardware/software descriptions, and other technical documentation in accordance with applicable regulations and new releases of technical material. Experienced in applying word processing techniques to technical or scientific subject matter.
59	Senior Documentation Specialist	Requires an Associate's degree and 5 years of experience of which a minimum of 2 years of experience must involve the development, production, or configuration control of engineering or management reports and publications.
60	Documentation Specialist	Requires an Associate's degree and familiarity with the development, production, or configuration control of engineering or management reports and publications.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
61	Category Deleted	N/A
62	Category Deleted	N/A
63	Principal Business Specialist	Requires a Bachelor's degree and 17 years of experience in performing business operations analysis, program control, or contract administration for government or commercial programs.
64	Senior Business Specialist	Requires a Bachelor's degree and 12 years of experience in performing business operations analysis, program control, or contract administration for government or commercial programs.
65	Business Specialist	Requires a Bachelor's degree and 6 years of experience in performing business operations analysis, program control, or contract administration for government or commercial programs.
66	Business Support Specialist	Requires a Bachelor's degree and at least 6 months of experience or training in operations analysis, program control, or contract administration.
67	Senior Project Control Analyst	Requires a Bachelor's degree and 4 years of experience applying the theories, principles, and practices of financial management, including time value analysis, cash flow analysis, and cost/benefit analysis. Prepares the financial forecasts and other financial reporting. Establishes good business practices and ensures compliance with policies and procedures. Conducts investigations and studies, and presents recommendations and solutions related to program administration and planning requirements. Develops and submits reports on a recurring basis. Familiar with the Government appropriation process. Experienced in conducting quantitative analysis using operations research tools, economics, and other quantitative techniques.
68	Project Control Analyst	Requires an Associate's degree and 3 years of direct or related experience applying the theories, principles and practices of financial management, including time value analysis, cash flow analysis, and cost/benefit analysis. Assists in and/or prepares the financial forecasts and other project control reporting. Assists and/or establishes good business practices and ensures compliance with policies and procedures. Assists with conducting investigations and studies, and presents recommendations and solutions related to program planning requirements. Assists with preparation and submission of reports on a recurring basis. Familiar with the Government appropriation process. Assists with conducting quantitative analysis using operations research tools, economics, and other quantitative techniques.
69	Associate Project Control Analyst	Requires a high school diploma and 2 years of direct or related experience performing one or more of the following tasks: Produces data to develop financial forecasts and other financial reporting. Assists with preparation of financial forecasts and other financial reporting. Assists with conducting investigations related to program planning requirements. Assists with preparation and submission of reports on a recurring basis.
70	Senior Administrative Specialist	Requires an Associate's degree and 8 years of experience in providing administrative and management support functions.
71	Administrative Specialist	Requires an Associate's degree and 3 years of experience in providing administrative and management support functions.
72	Junior Administrative Specialist	Requires an Associate's degree and familiarity with normal administrative and management support practices.
73	Senior Clerical Specialist	Requires a high school degree and 6 years of experience in providing administrative or office support functions.
74	Clerical Specialist	Requires a high school degree and 3 years of experience in providing administrative or office support functions.
75	Junior Clerical Specialist	Requires a high school degree and familiarity with normal administrative and office support practices.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
76	Senior Development Program Director	Requires a Bachelor's degree and 12 years of progressively more responsible experience in directing and managing system development. Duties may include technical leadership, planning and implementation, risk management, contracts management, procurement, and cost control. Develops and enforces work standards, reviews work quality, provides quality assurance and configuration management, assigns contractor schedules, and communicates goals, objectives, and policies of the organization to subordinates. Oversees financial management and administrative activities, such as budgeting, financial reporting, and manpower and resource planning. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems relating to management problems or contractual issues that require reports and recommended solutions. Supervises and directs staff on a daily basis. Experience in project development life cycle, from inception to deployment, with an ability to provide guidance and direction in the tasks is required.
77	Development Program Director	Requires a Bachelor's degree and 9 years of progressively more responsible experience in directing and managing system development. Duties may include technical leadership, planning and implementation, risk management, contracts management, procurement, and cost control. Develops and enforces work standards, reviews work quality, provides quality assurance and configuration management, assigns contractor schedules, and communicates goals, objectives, and policies of the organization to subordinates. Oversees financial management and administrative activities, such as budgeting, financial reporting, and manpower and resource planning. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems relating to management problems or contractual issues that require reports and recommended solutions. Supervises and directs staff on a daily basis. Experience in project development life cycle, from inception to deployment, with an ability to provide guidance and direction in is required.
78	Development Program Manager	Requires a Bachelor's degree and 6 years of progressively more responsible experience in directing and managing system development. Develops and enforces work standards, provides quality assurance and configuration management, reviews work quality, assigns contractor schedules, and communicates goals, objectives, and policies of the organization to subordinates. Oversees financial management and administrative activities, such as budgeting, financial reporting, and manpower and resource planning. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems relating to management problems or contractual issues that require reports and recommended solutions. Supervises and directs staff on a daily basis. Experience in some project development life cycle phases from inception to deployment, with an ability to provide guidance and direction in these tasks areas is required.
79	Deputy Development Program Manager	Requires a Bachelor's degree and 2 years of experience in directing and managing system development. Develops and enforces work standards, provides quality assurance and configuration management, reviews work quality, assigns contractor schedules, and communicates goals, objectives, and policies of the organization to subordinates. Oversees all financial management and administration activities, such as budgeting, financial reporting, and manpower and resource planning. Performs complex evaluations of existing procedures, processes, techniques, models, and/or systems relating to management problems or contractual issues that require reports and recommended solutions. Supervises and directs staff on a daily basis. Experience in some project development life cycle phases from inception to deployment, with an ability to provide guidance and direction in these tasks areas is required.
80	Principal Technologist	Requires a Bachelor's degree in engineering, physics, science, or related technical discipline and 20 years of experience of which a minimum of 10 years must involve the analysis, development or deployment of advanced technologies within a multidisciplinary systems environment. In addition, requires at least 5 years of experience in managing technology programs.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
81	Senior Systems Development Engineer	Requires a Bachelor's degree and 7 years experience applying an organization-wide set of disciplines for the planning, analysis, design, and construction of systems on a system-wide basis or across a major sector of the enterprise. Provides expertise in one or more engineering disciplines such as: electronic engineering, communications engineering, information engineering, network engineering, security, interoperability analysis, system standards, military operations (ground, sea, and air), program analysis, requirements analysis, program planning, cost analysis.
82	Systems Development Engineer	Requires a Bachelor's degree and 5 years experience applying an organization-wide set of disciplines for the planning, analysis, design, and construction of systems on a system-wide basis or across a major sector of the enterprise. Proficient in one or more engineering disciplines such as: electronic engineering, communications engineering, information engineering, network engineering security, interoperability analysis, system standards, military operations (ground, sea, and air), program analysis, requirements analysis, program planning, cost analysis.
83	Associate Systems Development Engineer	Requires a Bachelor's degree and 1 year of experience supporting systems development and integration efforts. Understands the disciplines for planning, analysis, design, and construction of systems on a system-wide basis or across a major sector of the enterprise. Knowledgeable or academically-trained in one or more engineering disciplines such as: electronic engineering, communications engineering, information engineering, network engineering security, interoperability analysis, system standards, military operations (ground, sea, and air), program analysis, requirements analysis, program planning, cost analysis.
84	Senior Engineer/Scientist	A minimum of a Bachelor's degree in engineering, mathematics, physics, chemistry, materials, textiles, production management, finance, computer science, biology, or a related degree and 8 years of relevant experience is required or a Master's degree in one of the appropriate fields of study and 4 years of relevant experience or a Ph.D. in one of the appropriate fields of study and 2 years of relevant experience. Individual must demonstrate an ability to develop technical specifications based on stated user requirements for highly complex systems and be capable of providing technical direction and guidance to lower level technical personnel. The background of a Senior Engineer/Scientist must encompass a relevant technology area. Experience must include technical involvement in the design, development, and/or production of related systems or technologies. Also, experience must include technical performance of theoretical studies including activities such as analyzing existing system design, performing simulations, and recommending improvements.
85	Engineer/Scientist	A minimum of a Master's degree in engineering, mathematics, physics, chemistry, materials, textiles, production management, finance, computer science, biology, or a related degree and a minimum of 2 years of experience or a minimum of a Bachelor's degree in one of the appropriate fields of study and 5 years of relevant experience is required. Experience must show an ability to work effectively in one or more of the relevant technology areas.
86	Mid Engineer/Scientist	A minimum of a Bachelor's degree in engineering, mathematics, statistics, chemistry, materials, textiles, physics, production management, finance, computer science, biology, or related degree with at least 2 years of experience. Experience must demonstrate an ability to perform technical studies and analysis on highly complex systems to discover concepts, techniques, and applications that will advance the state-of-the-art and contribute to the development of effective designs.
87	Senior Engineering Technician	Requires a minimum of 10 years of experience in the development, assembly, integration, test or operation of engineering equipment and systems.
88	Engineering Technician	Requires a minimum of 5 years of experience in the development, assembly, integration, test or operation of engineering equipment and systems.
89	Junior Engineering Technician	Requires a minimum of 2 years of experience in the development, assembly, integration, test or operation of engineering equipment and systems.
90	Senior Logistics Analyst	Requires a Bachelor's degree and 7 years of experience of which a minimum of 4 years must involve the analysis, development, or operation of systems and procedures dealing with the procurement, maintenance, transportation, or distribution of personnel or material resources.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
91	Logistics Analyst	Requires a Bachelor's degree and 4 years of experience of which a minimum of 2 years must involve the analysis, development, or operation of systems and procedures dealing with the procurement, maintenance, transportation, or distribution of personnel or material resources.
92	Junior Logistics Analyst	Requires a Bachelor's degree and training or experience in the analysis, development, or operation of systems and procedures dealing with the procurement, maintenance, transportation, or distribution of personnel or material resources.
93	Senior Acquisition Specialist	Requires a Bachelor's degree and 7 years of experience of which a minimum of 4 years must involve the analysis, development, or administration of acquisition strategies, plans, or procedures.
94	Acquisition Specialist	Requires a Bachelor's degree and 4 years of experience of which a minimum of 2 years must involve the analysis, development, or administration of acquisition strategies, plans, or procedures.
95	Junior Acquisition Specialist	Requires a Bachelor's degree and training or experience in the analysis, development, or administration of acquisition strategies, plans, or procedures.
96	Engineering Support Analyst I	Requires a Bachelor's degree and 15 years of experience of which a minimum of 10 years of experience must involve analysis of either chemical, civil, electrical or mechanical engineering systems or data. Must have detailed experience with one or more phases of the systems engineering life cycle and thorough knowledge of all phases of the systems engineering life cycle.
97	Engineering Support Analyst II	Requires a Bachelor's degree and 10 years of experience of which a minimum of 6 years of experience must involve analysis of either chemical, civil, electrical or mechanical engineering systems or data. Must have detailed experience with and thorough knowledge of one or more phases of the systems engineering life cycle.
98	Engineering Support Analyst III	Requires a Bachelor's degree and 6 years of experience of which a minimum of 3 years of experience must involve analysis of either chemical, civil, electrical or mechanical engineering systems or data. Must have detailed experience with and thorough knowledge of one or more phases of the systems engineering life cycle.
99	Engineering Support Analyst IV	Requires a Bachelor's degree and 3 years of experience of which a minimum of 1 year of experience must involve analysis of either chemical, civil, electrical or mechanical engineering systems or data. Must have experience with and knowledge of one or more phases of the systems engineering life cycle.
100	Engineering Support Analyst V	Requires a Bachelor's degree and either training or experience in the analysis of either chemical, civil, electrical or mechanical engineering systems or data.
101	Senior Management Analyst	Requires a Bachelor's degree and 10 years of experience of which a minimum of 6 years of experience must involve military/Government/business organizational and/or financial analysis or business process reengineering. Must be familiar with A-76 or other competitive sourcing and privatization methodologies.
102	Management Analyst II	Requires a Bachelor's degree and 6 years of experience of which a minimum of 3 years of experience must involve military/Government/business organizational and/or financial analysis or business process reengineering. Must be familiar with A-76 or other competitive sourcing and privatization methodologies.
103	Management Analyst I	Requires a Bachelor's degree and 3 years of experience of which a minimum of 1 year of experience must involve military/Government/business organizational and/or financial analysis or business process reengineering. Must be familiar with A-76 or other competitive sourcing and privatization methodologies.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
104	Space Program Director	Requires a Bachelors degree and twenty years of progressively more responsible experience in engineering and space program management. Typical areas of expertise may include spacecraft subsystems, satellite payloads, ground stations, satellite design, manufacturing, integration, test, launch, and on-orbit operations. Duties may include technical leadership, planning and implementation, risk management, contract management, procurement and cost control. Develops and enforces work standards, reviews work quality, assigns contractor schedules, and communicates program goals, objectives, and policies to subordinates. Oversees financial management and administrative activities such as budgeting, reporting, and resource planning. Performs complex evaluations of existing procedures, processes, techniques, and models relating to programmatic issues and recommends solutions
105	Space Program Senior Manager	Requires a Bachelors degree and fifteen years of progressively more responsible experience in engineering and space program management. Typical areas of expertise may include spacecraft subsystems, satellite payloads, ground stations, satellite design, manufacturing, integration, test, launch, and on-orbit operations. Duties may include technical leadership, planning and implementation, risk management, contract management, procurement and cost control. Develops and enforces work standards, reviews work quality, assigns contractor schedules, and communicates program goals, objectives, and policies to subordinates. Oversees financial management and administrative activities such as budgeting, reporting, and resource planning. Performs complex evaluations of existing procedures, processes, techniques, and models relating to programmatic issues and recommends solutions.
106	Space Program Manager	Requires a Bachelors degree and ten years of progressively more responsible experience in engineering and space program management. Typical areas of expertise may include spacecraft subsystems, satellite payloads, ground stations, satellite design, manufacturing, integration, test, launch, and on-orbit operations. Duties may include technical leadership, planning and implementation, risk management, contract management, procurement and cost control. Develops and enforces work standards, reviews work quality, assigns contractor schedules, and communicates program goals, objectives, and policies to subordinates. Oversees financial management and administrative activities such as budgeting, reporting, and resource planning. Performs complex evaluations of existing procedures, processes, techniques, and models relating to programmatic issues and recommends solutions.
107	Space Program Lead Engineer	Requires a Bachelors degree and seven years experience in space program engineering disciplines. These are senior engineering and scientific personnel whose duties and responsibilities require creativity and engineering judgment in solving unusual and complex engineering problems, determining program objectives and requirements, and developing standards and guides for diverse engineering and scientific activities.
108	Space Program Engineer/Scientist	Requires a Bachelors degree and five years experience in space program engineering disciplines. These are engineering and scientific personnel whose duties and responsibilities require applications of intensive and diversified knowledge of engineering principles and practices, and developing new or improved techniques and procedures.
109	Space Program Engineer	Requires a Bachelors degree and three years experience in space program engineering disciplines. These are engineering and personnel whose duties and responsibilities require comprehensive knowledge of engineering principles to support complex research and engineering assignments.
110	Space Program Administration	Executive Assistants and professional personnel engaged primarily in activities related to Space Program administration, project control, contract management, and business management. Requires a Bachelor's degree and five years experience in Space Program administration.
111	Space Program Technician	Non-exempt technical job classifications involving technical support of laboratory design, development and test activities, production planning, scheduling, and electronic assembly. Specific classifications include Laboratory Analyst, Electrical or Mechanical Technician, and Research Assistant. Requires a High School diploma and three years experience with research and analysis in a laboratory environment.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
112	Space Program Hardware Fabrication	Non-exempt technical job classifications involving the performance of electrical assembly, mechanical assembly, coil winding, printed circuitry, silk screening, electroplating, thermo bond, encapsulation, machining, sheet metal fabrication, model building, welding, and inspection. Requires a High School diploma and three years experience in space program hardware fabrication.
113	Intel Director	Requires a Bachelors degree and eighteen (18) years of progressively more responsible experience in intelligence program management. Typical areas of expertise may include intelligence systems design and integration, systems integration, mission management, satellite payloads, ground stations, satellite communications, communications Integration and dissemination and intelligence systems operations and maintenance. Duties may include technical leadership, planning and implementation, risk management, contract management, procurement and cost control. Develops and enforces work standards, reviews work quality, assigns contractor schedules, and communicates program goals, objectives and policies to subordinates. Oversees financial management and administrative activities such as budgeting, reporting, and resource planning. Performs complex evaluations of existing procedures, processes, techniques, and models relating to programmatic issues and recommends solutions.
114	Senior Intel Engineer	Requires a Bachelors degree and eleven (11) years experience in intelligence systems engineering disciplines. These are cleared senior engineering and scientific personnel whose duties and responsibilities require creativity and engineering judgment in solving unusual and complex engineering problems, determining program objectives and requirements, performing systems engineering and integration, and developing standards and guides for diverse engineering and scientific activities
115	Intel Engineer	Requires a Bachelors degree and six (6) years experience in intelligence systems engineering disciplines. These are cleared engineering and personnel whose duties and responsibilities require performing systems engineering and integration, and comprehensive knowledge of intelligence systems engineering principles to support complex research and engineering assignments.
116	Associate Intel Engineer	Requires a Bachelors degree and one (1) year experience in intelligence systems engineering disciplines. These are cleared engineering and personnel whose duties and responsibilities require performing systems engineering and integration, knowledge of intelligence systems engineering principles to support research and engineering assignments
117	Senior Intel Administrator (Exempt)	Requires a Bachelors degree and eleven (11) years experience in intelligence systems business, finance, contracts and/or security. Provides expertise to properly maintain Intelligence Systems business and financial applications, schedules and budgets, contracts management, maintain personnel and physical security data bases, process security clearance information, supervise visitor control and visitor access. Coordinates classified and unclassified resources, to include personnel, contracts and hardware/software. Performs/oversees classified and unclassified business and financial activity, contracts activity, as well as security procedures. Ensures compliance with electronic and physical security procedures and standards.
118	Intel Administrator (Exempt)	Requires a Bachelors degree and six (6) years experience in intelligence systems operations and maintenance. Provides expertise to properly maintain Intelligence Systems business and financial applications, schedules and budgets, contracts management, maintain personnel and physical security data bases, process security clearance information, supervise visitor control and visitor access. Coordinates classified and unclassified resources, to include personnel, contracts and hardware/software. Performs/oversees classified and unclassified business and financial activity, contracts activity as well as security procedures. Ensures compliance with electronic and physical security procedures and standards.

NGMS' PES Labor Category Qualifications (Continued)

	Labor Category	Description
119	Associate Intel Administrator (Exempt)	Requires a Bachelors degree and one (1) year experience in intelligence systems operations and maintenance. Provides expertise to properly maintain Intelligence Systems business and financial applications, schedules and budgets, contracts management, maintain personnel and physical security databases, process security clearance information, supervise visitor control and visitor access. Performs classified and unclassified business and financial activity, contracts activity as well as security procedures. Ensures compliance with electronic and physical security procedures and standards.
120	Intel Administrator (Non-Exempt)	Executive Assistants and professional personnel engaged primarily in activities related to Intelligence Systems Administration, project control, contract management, and business management. Requires a High School diploma.
121	Facility Support Specialist	Provides facility operations management, security support and related services. May include public interface. Requires a High School diploma or equivalent.
122	Facility Support Specialist II	Provides facility operations management, security support and related services. May include public interface and security enforcement. Requires a High School diploma or equivalent and 2 years additional experience
123	General Support Specialist I	Provides general administrative support services in an office setting with repetitive tasks, which may include data collection, administration, public interface, records management and reporting. Works under close supervision and requires detailed verbal and written instructions. Requires a High School diploma or equivalent.
124	General Support Specialist II	Provides entry-level technical support services with repetitive tasks, which may include data collection, administration, public interface, records management and reporting. Works under close supervision and requires detailed verbal and written instructions. Requires a High School diploma or equivalent.
125	General Support Specialist III	Provides technical support services with repetitive tasks, which may include data collection, administration, public interface, records management and reporting. Assists more senior staff members as part of their duties. Works under supervision. Requires a High School diploma or equivalent.
126	General Support Specialist IV	Provides technical support services with varied, but standardized tasks, which may include data collection, administration, public interface, records management and reporting. Retains limited autonomy to select appropriate tools to work assignments. Requires a High School diploma or equivalent and 2 years additional experience.

Table 3-2. The NGMS Contractor Site and the Government Site Hourly Rates for Each Labor Category (Option 1 Year 6)

SUMMARY OF FULLY-BURDENED RATES BY CONTRACT PERIOD ALL LABOR CATEGORIES ARE APPLICABLE TO ALL FOUR PRIMARY ENGINEERING DISCIPLINES AND TO ALL SIX SINS

OPTION 1 YEAR 6 (SEPTEMBER 27, 2005 – DECEMBER 9, 2005)

No.	Labor Category	Contractor Site	Government Site
1	Senior Manager	\$188.24	\$148.66
2	Project Manager	\$149.46	\$ 123.52
3	Support Program Director	\$157.65	\$120.43
4	Deputy Support Program Director	\$135.02	\$99.55
5	Support Program Manager	\$125.32	\$89.27
6	Technical Program Manager	\$145.35	\$117.12
7	Technical Manager	\$118.58	\$95.27
8	Strategic Planner	\$148.24	\$121.66
9	Senior Quality Assurance Specialist	\$87.93	\$66.31
10	Quality Assurance Specialist	\$76.07	\$63.09
11	Systems Technologist I	\$163.75	\$136.35
12	Systems Technologist II	\$135.67	\$112.70
13	Systems Technologist III	\$111.61	\$89.44
14	Systems Technologist IV	\$94.18	\$76.13
15	Systems Technologist V	\$82.19	\$66.04
16	Senior Functional Analyst	\$126.16	\$103.37
17	Functional Analyst	\$98.86	\$79.64
18	Associate Functional Analyst	\$74.20	\$ 60.50
19	Technical Analyst I	\$151.06	\$126.65
20	Technical Analyst II	\$126.66	\$106.91
21	Technical Analyst III	\$98.77	\$82.50
22	Technical Analyst IV	\$69.72	\$58.10
23	Technical Support Analyst	\$55.85	\$42.10
24	Senior Hardware Systems Engineer	\$98.86	\$79.64
25	Hardware Systems Engineer	\$79.89	\$64.96
26	Junior Hardware Systems Engineer	\$55.85	N/A
27	Senior Systems Engineer/Architect	\$123.63	\$99.80
28	Systems Engineer/Architect	\$ 82.82	\$66.85
29	Principal Hardware Architect	\$119.35	\$94.97
30	Principal Software Architect	\$134.11	\$105.90
31	Senior Software Developer	\$105.01	\$84.65
32	Software Developer	\$81.04	\$65.77
33	Junior Software Developer	\$60.98	\$51.56
34	Senior Database Developer	\$101.98	\$79.64
35	Database Developer	\$77.60	\$ 63.75
36	Junior Database Developer	\$60.98	\$51.56
37	Principal Communications Architect	\$126.16	\$101.69
38	Senior Communications Engineer	\$105.01	\$85.13
39	Communications Engineer	\$81.04	\$65.77
40	Junior Communications Engineer	\$60.98	\$51.01
41	Senior Mathematician	\$105.74	\$81.78
42	Mathematician	\$81.62	\$64.83

No.	Labor Category	Contractor Site	Government Site
43	Junior Mathematician	\$58.42	\$44.33
44	Senior Naval Architect	\$ 140.92	\$106.74
45	Naval Architect	\$110.88	\$85.13
46	Junior Naval Architect	\$ 68.02	\$52.68
47	Principal Information Technologist	\$114.54	\$88.96
48	Senior Information Technologist	\$98.08	\$78.94
49	Information Technologist	\$73.83	\$61.54
50	Junior Information Technologist	\$ 60.34	\$ 51.01
51	Senior Economic Analyst	\$98.86	\$79.64
52	Economic Analyst	\$73.83	\$61.54
53	Junior Economic Analyst	\$55.85	N/A
54	Senior Training Manager	\$ 126.16	\$101.69
55	Senior Instructor	\$ 98.86	\$79.64
56	Instructor	\$66.10	\$52.68
57	Senior Technical Writer	\$ 93.74	N/A
58	Technical Writer	\$65.71	N/A
59	Senior Documentation Specialist	\$78.17	\$64.02
60	Documentation Specialist	\$56.48	\$38.68
61	CATEGORY DELETED	N/A	N/A
62	CATEGORY DELETED	N/A	N/A
63	Principal Business Specialist	\$129.15	\$105.39
64	Senior Business Specialist	\$99.57	\$81.88
65	Business Specialist	\$81.85	\$68.34
66	Business Support Specialist	\$ 57.10	\$45.11
67	Senior Project Control Analyst	\$81.12	\$61.76
68	Project Control Analyst	\$70.34	\$47.62
69	Assoc. Project Control Analyst	\$48.56	N/A
70	Senior Administrative Specialist	\$51.40	\$47.39
71	Administrative Specialist	\$ 51.94	\$44.15
72	Junior Administrative Specialist	\$38.36	\$33.15
73	Senior Clerical Specialist	\$51.94	\$44.15
74	Clerical Specialist	\$45.54	\$40.89
75	Junior Clerical Specialist	\$35.07	\$27.92
76	Senior Development Program Director	\$208.95	\$158.25
77	Development Program Director	\$187.49	\$144.61
78	Development Program Manager	\$162.00	\$118.74
79	Deputy Development Program Manager	\$123.73	\$91.03
80	Principal Technologist	\$220.96	\$164.63
81	Senior Systems Development Engineer	\$162.00	\$122.57
82	Systems Development Engineer	\$140.93	\$105.52
83	Assoc. Systems Development Engineer	\$123.73	\$91.03
84	Senior Engineer/Scientist	\$139.80	\$110.17
85	Engineer/Scientist	\$114.78	\$90.45
86	Mid Engineer/Scientist	\$71.61	\$56.43
87	Senior Engineering Technician	\$74.87	\$57.88
88	Engineering Technician	\$41.43	\$42.86
89	Junior Engineering Technician	\$38.37	\$31.61
90	Senior Logistics Analyst	\$89.63	\$71.31
91	Logistics Analyst	\$78.85	\$61.23

No.	Labor Category	Contractor Site	Government Site
92	Junior Logistics Analyst	\$45.94	\$34.11
93	Senior Acquisition Specialist	\$ 92.24	\$73.65
94	Acquisition Specialist	\$77.05	\$59.42
95	Junior Acquisition Specialist	\$ 50.78	\$37.33
96	Engineering Support Analyst I	\$92.24	\$73.65
97	Engineering Support Analyst II	\$77.80	\$60.45
98	Engineering Support Analyst III	\$65.44	\$49.42
99	Engineering Support Analyst IV	\$57.61	\$42.12
100	Engineering Support Analyst V	\$48.92	\$36.09
101	Senior Management Analyst	N/A	\$59.91
102	Management Analyst II	N/A	\$43.18
103	Management Analyst I	N/A	\$39.60
104	Space Program Director	\$ 281.60	\$178.40
105	Space Program Senior Management	\$253.68	\$153.60
106	Space Program Management	\$220.60	\$133.56
107	Space Program Lead Engineer	\$171.29	\$105.04
108	Space Program Engineer/Scientist	\$148.82	\$91.28
109	Space Program Engineer	\$121.40	\$76.91
110	Space Program Administration	\$144.01	\$87.19
111	Space Program Technician	\$ 92.65	\$56.97
112	Space Program Hardware Fabrication	\$92.65	\$58.69
113	Intel Director	\$270.02	\$199.91
114	Sr. Intel Engineer	\$241.71	\$178.94
115	Intel Engineer	\$192.62	\$144.50
116	Assoc Intel Engineer	\$137.22	\$101.60
117	Sr. Intel Admin (Ex)	\$203.61	\$150.73
118	Intel Admin (Ex)	\$162.25	\$120.13
119	Assoc Intel Admin (Ex)	\$113.20	\$84.92
120	Intel Admin (Non-Ex)	\$83.24	\$ 61.63
121	Facility Support Specialist I	\$ 41.80	\$30.08
122	Facility Support Specialist II	\$61.38	\$41.75
123	General Support Specialist I	\$35.41	\$27.17
124	General Support Specialist II	\$41.80	\$30.08
125	General Support Specialist III	\$50.41	\$36.35
126	General Support Specialist IV	\$61.38	\$41.75

Table 3-3. The NGMS Contractor Site and the Government Site Hourly Rates for Each Labor Category (Option 1 Year 7)

OPTION 1 YEAR 7 (DECEMBER 10, 2005 – DECEMBER 9, 2006)

No.	Labor Category	Contractor Site	Government Site
1	Senior Manager	\$193.89	\$153.12
2	Project Manager	\$153.94	\$127.23
3	Support Program Director	\$162.38	\$124.04
4	Deputy Support Program Director	\$139.07	\$ 102.54
5	Support Program Manager	\$129.08	\$ 91.95
6	Technical Program Manager	\$149.71	\$120.63
7	Technical Manager	\$122.14	\$ 98.13
8	Strategic Planner	\$152.69	\$125.31
9	Senior Quality Assurance Specialist	\$90.57	\$68.30
10	Quality Assurance Specialist	\$78.35	\$ 64.98
11	Systems Technologist I	\$168.66	\$140.44
12	Systems Technologist II	\$139.74	\$116.08
13	Systems Technologist III	\$114.96	\$ 92.12
14	Systems Technologist IV	\$ 97.01	\$ 78.41
15	Systems Technologist V	\$84.66	\$68.02
16	Senior Functional Analyst	\$129.94	\$106.47
17	Functional Analyst	\$101.83	\$82.03
18	Associate Functional Analyst	\$ 76.43	\$ 62.32
19	Technical Analyst I	\$155.59	\$130.45
20	Technical Analyst II	\$130.46	\$110.12
21	Technical Analyst III	\$101.73	\$ 84.98
22	Technical Analyst IV	\$ 71.81	\$ 59.84
23	Technical Support Analyst	\$ 57.53	\$43.36
24	Senior Hardware Systems Engineer	\$101.83	\$ 82.03
25	Hardware Systems Engineer	\$ 82.29	\$ 66.91
26	Junior Hardware Systems Engineer	\$ 57.53	\$ 0.00
27	Senior Systems Engineer/Architect	\$127.34	\$102.79
28	Systems Engineer/Architect	\$ 85.30	\$68.86
29	Principal Hardware Architect	\$122.93	\$ 97.82
30	Principal Software Architect	\$138.13	\$109.08
31	Senior Software Developer	\$108.16	\$ 87.19
32	Software Developer	\$ 83.47	\$ 67.74
33	Junior Software Developer	\$62.81	\$53.11
34	Senior Database Developer	\$105.04	\$ 82.03
35	Database Developer	\$ 79.93	\$ 65.66
36	Junior Database Developer	\$ 62.81	\$ 53.11
37	Principal Communications Architect	\$129.94	\$104.74
38	Senior Communications Engineer	\$108.16	\$ 87.68
39	Communications Engineer	\$ 83.47	\$67.74
40	Junior Communications Engineer	\$ 62.81	\$52.54

No.	Labor Category	Contractor Site	Government Site
41	Senior Mathematician	\$108.91	\$84.23
42	Mathematician	\$84.07	\$66.77
43	Junior Mathematician	\$ 60.17	\$45.66
44	Senior Naval Architect	\$145.15	\$109.94
45	Naval Architect	\$114.21	\$87.68
46	Junior Naval Architect	\$ 70.06	\$ 54.26
47	Principal Information Technologist	\$117.98	\$ 91.63
48	Senior Information Technologist	\$101.02	\$ 81.31
49	Information Technologist	\$ 76.04	\$ 63.39
50	Junior Information Technologist	\$ 62.15	\$52.54
51	Senior Economic Analyst	\$101.83	\$ 82.03
52	Economic Analyst	\$76.04	\$63.39
53	Junior Economic Analyst	\$ 57.53	N/A
54	Senior Training Manager	\$129.94	\$104.74
55	Senior Instructor	\$101.83	\$82.03
56	Instructor	\$ 68.08	\$54.26
57	Senior Technical Writer	\$96.55	N/A
58	Technical Writer	\$ 67.68	N/A
59	Senior Documentation Specialist	\$ 80.52	\$65.94
60	Documentation Specialist	\$58.17	\$39.84
61	CATEGORY DELETED	N/A	N/A
62	CATEGORY DELETED	N/A	N/A
63	Principal Business Specialist	\$133.02	\$108.55
64	Senior Business Specialist	\$102.56	\$84.34
65	Business Specialist	\$84.31	\$70.39
66	Business Support Specialist	\$58.81	\$46.46
67	Senior Project Control Analyst	\$ 83.55	\$ 63.61
68	Project Control Analyst	\$72.45	\$49.05
69	Assoc. Project Control Analyst	\$ 50.02	N/A
70	Senior Administrative Specialist	\$52.94	\$48.81
71	Administrative Specialist	\$ 53.50	\$45.47
72	Junior Administrative Specialist	\$ 39.51	\$34.14
73	Senior Clerical Specialist	\$53.50	\$45.47
74	Clerical Specialist	\$46.91	\$42.12
75	Junior Clerical Specialist	\$36.12	\$28.76
76	Senior Development Program Director	\$215.22	\$163.00
77	Development Program Director	\$193.11	\$148.95
78	Development Program Manager	\$166.86	\$122.30
79	Deputy Development Program Manager	\$127.44	\$ 93.76
80	Principal Technologist	\$227.59	\$169.57
81	Senior Systems Development Engineer	\$166.86	\$126.25
82	Systems Development Engineer	\$145.16	\$108.69
83	Assoc. Systems Development Engineer	\$127.44	\$93.76
84	Senior Engineer/Scientist	\$143.99	\$113.48

No.	Labor Category	Contractor Site	Government Site
85	Engineer/Scientist	\$118.22	\$93.16
86	Mid Engineer/Scientist	\$ 73.76	\$58.12
87	Senior Engineering Technician	\$ 77.12	\$ 59.62
88	Engineering Technician	\$42.67	\$44.15
89	Junior Engineering Technician	\$ 39.52	\$32.56
90	Senior Logistics Analyst	\$92.32	\$ 73.45
91	Logistics Analyst	\$81.22	\$63.07
92	Junior Logistics Analyst	\$47.32	\$35.13
93	Senior Acquisition Specialist	\$ 95.01	\$75.86
94	Acquisition Specialist	\$ 79.36	\$61.20
95	Junior Acquisition Specialist	\$ 52.30	\$38.45
96	Engineering Support Analyst I	\$ 95.01	\$75.86
97	Engineering Support Analyst II	\$ 80.13	\$62.26
98	Engineering Support Analyst III	\$ 67.40	\$ 50.90
99	Engineering Support Analyst IV	\$ 59.34	\$43.38
100	Engineering Support Analyst V	\$ 50.39	\$37.17
101	Senior Management Analyst	N/A	\$ 61.71
102	Management Analyst II	N/A	\$44.48
103	Management Analyst I	N/A	\$40.79
104	Space Program Director	\$290.05	\$183.75
105	Space Program Senior Management	\$261.29	\$158.20
106	Space Program Management	\$227.22	\$137.56
107	Space Program Lead Engineer	\$176.43	\$108.19
108	Space Program Engineer/Scientist	\$153.28	\$94.02
109	Space Program Engineer	\$125.04	\$79.22
110	Space Program Administration	\$148.33	\$89.81
111	Space Program Technician	\$ 95.43	\$58.68
112	Space Program Hardware Fabrication	\$95.43	\$ 60.45
113	Intel Director	\$278.12	\$ 205.91
114	Sr. Intel Engineer	\$248.96	\$184.31
115	Intel Engineer	\$198.40	\$ 148.84
116	Assoc. Intel Engineer	\$141.34	\$104.65
117	Sr. Intel Admin (Ex)	\$209.72	\$155.25
118	Intel Admin (Ex)	\$167.12	\$123.73
119	Assoc. Intel Admin (Ex)	\$116.60	\$ 87.47
120	Intel Admin (Non-Ex)	\$85.74	\$ 63.48
121	Facility Support Specialist I	\$ 43.05	\$30.98
122	Facility Support Specialist II	\$ 63.22	\$43.00
123	General Support Specialist I	\$ 36.47	\$ 27.99
124	General Support Specialist II	\$43.05	\$30.98
125	General Support Specialist III	\$51.92	\$ 37.44
126	General Support Specialist IV	\$ 63.22	\$ 43.00

Table 3-4. The NGMS Contractor Site and the Government Site Hourly Rates for Each Labor Category (Option 1 Year 8)

OPTION 1 YEAR 8 (DECEMBER 10, 2006 – DECEMBER 9, 2007)

No.	Labor Category	Contractor Site	Government Site
1	Senior Manager	\$ 199.70	\$157.71
2	Project Manager	\$ 158.56	\$131.04
3	Support Program Director	\$167.25	\$127.76
4	Deputy Support Program Director	\$143.24	\$105.61
5	Support Program Manager	\$132.95	\$94.71
6	Technical Program Manager	\$154.20	\$124.25
7	Technical Manager	\$125.80	\$ 101.07
8	Strategic Planner	\$157.27	\$ 129.07
9	Senior Quality Assurance Specialist	\$ 93.28	\$ 70.35
10	Quality Assurance Specialist	\$80.70	\$ 66.93
11	Systems Technologist I	\$173.72	\$144.65
12	Systems Technologist II	\$143.93	\$119.56
13	Systems Technologist III	\$ 118.41	\$94.89
14	Systems Technologist IV	\$ 99.92	\$ 80.77
15	Systems Technologist V	\$87.20	\$70.06
16	Senior Functional Analyst	\$133.84	\$ 109.67
17	Functional Analyst	\$104.88	\$84.49
18	Associate Functional Analyst	\$ 78.72	\$ 64.18
19	Technical Analyst I	\$ 160.26	\$ 134.36
20	Technical Analyst II	\$134.37	\$113.42
21	Technical Analyst III	\$ 104.79	\$87.52
22	Technical Analyst IV	\$ 73.97	\$ 61.64
23	Technical Support Analyst	\$59.25	\$ 44.66
24	Senior Hardware Systems Engineer	\$104.88	\$84.49
25	Hardware Systems Engineer	\$ 84.76	\$ 68.92
26	Junior Hardware Systems Engineer	\$59.25	N/A
27	Senior Systems Engineer/Architect	\$131.16	\$ 105.88
28	Systems Engineer/Architect	\$ 87.86	\$70.92
29	Principal Hardware Architect	\$ 126.62	\$100.75
30	Principal Software Architect	\$142.28	\$ 112.35
31	Senior Software Developer	\$ 111.41	\$89.81
32	Software Developer	\$85.98	\$ 69.78
33	Junior Software Developer	\$64.69	\$ 54.70
34	Senior Database Developer	\$108.19	\$84.49
35	Database Developer	\$82.33	\$67.63
36	Junior Database Developer	\$ 64.69	\$ 54.70
37	Principal Communications Architect	\$133.84	\$ 107.88
38	Senior Communications Engineer	\$111.41	\$ 90.31
39	Communications Engineer	\$85.98	\$ 69.78
40	Junior Communications Engineer	\$ 64.69	\$ 54.12

No.	Labor Category	Contractor Site	Government Site
41	Senior Mathematician	\$ 112.18	\$86.76
42	Mathematician	\$86.59	\$ 68.78
43	Junior Mathematician	\$61.98	\$ 47.03
44	Senior Naval Architect	\$149.50	\$ 113.24
45	Naval Architect	\$117.63	\$ 90.31
46	Junior Naval Architect	\$ 72.16	\$55.89
47	Principal Information Technologist	\$121.52	\$ 94.38
48	Senior Information Technologist	\$ 104.05	\$ 83.75
49	Information Technologist	\$ 78.33	\$ 65.29
50	Junior Information Technologist	\$ 64.01	\$ 54.12
51	Senior Economic Analyst	\$104.88	\$ 84.49
52	Economic Analyst	\$78.33	\$ 65.29
53	Junior Economic Analyst	\$59.25	N/A
54	Senior Training Manager	\$ 133.84	\$ 107.88
55	Senior Instructor	\$ 104.88	\$ 84.49
56	Instructor	\$ 70.13	\$ 55.89
57	Senior Technical Writer	\$99.45	N/A
58	Technical Writer	\$69.71	N/A
59	Senior Documentation Specialist	\$82.93	\$ 67.92
60	Documentation Specialist	\$59.92	\$ 41.04
61	CATEGORY DELETED	N/A	N/A
62	CATEGORY DELETED	N/A	N/A
63	Principal Business Specialist	\$ 137.02	\$111.81
64	Senior Business Specialist	\$105.63	\$86.87
65	Business Specialist	\$ 86.83	\$ 72.50
66	Business Support Specialist	\$ 60.58	\$ 47.86
67	Senior Project Control Analyst	\$ 86.06	\$ 65.52
68	Project Control Analyst	\$74.62	\$ 50.52
69	Assoc. Project Control Analyst	\$51.52	N/A
70	Senior Administrative Specialist	\$ 54.53	\$ 50.28
71	Administrative Specialist	\$ 55.10	\$ 46.84
72	Junior Administrative Specialist	\$40.70	\$ 35.17
73	Senior Clerical Specialist	\$55.10	\$ 46.84
74	Clerical Specialist	\$48.31	\$ 43.38
75	Junior Clerical Specialist	\$ 37.21	\$ 29.62
76	Senior Development Program Director	\$221.68	\$167.89
77	Development Program Director	\$ 198.91	\$153.42
78	Development Program Manager	\$171.87	\$125.97
79	Deputy Development Program Manager	\$ 131.27	\$ 96.57
80	Principal Technologist	\$234.42	\$ 174.66
81	Senior Systems Development Engineer	\$171.87	\$ 130.03
82	Systems Development Engineer	\$ 149.51	\$ 111.95
83	Assoc. Systems Development Engineer	\$ 131.27	\$ 96.57
84	Senior Engineer/Scientist	\$148.31	\$ 116.88

No.	Labor Category	Contractor Site	Government Site
85	Engineer/Scientist	\$121.77	\$95.96
86	Mid Engineer/Scientist	\$75.97	\$ 59.87
87	Senior Engineering Technician	\$ 79.43	\$ 61.40
88	Engineering Technician	\$43.95	\$45.47
89	Junior Engineering Technician	\$40.71	\$33.54
90	Senior Logistics Analyst	\$ 95.09	\$ 75.65
91	Logistics Analyst	\$83.65	\$ 64.96
92	Junior Logistics Analyst	\$48.74	\$ 36.19
93	Senior Acquisition Specialist	\$ 97.86	\$78.14
94	Acquisition Specialist	\$81.74	\$63.04
95	Junior Acquisition Specialist	\$53.87	\$ 39.60
96	Engineering Support Analyst I	\$ 97.86	\$ 78.14
97	Engineering Support Analyst II	\$82.54	\$ 64.13
98	Engineering Support Analyst III	\$ 69.43	\$52.43
99	Engineering Support Analyst IV	\$ 61.12	\$44.69
100	Engineering Support Analyst V	\$ 51.90	\$ 38.29
101	Senior Management Analyst	N/A	\$63.56
102	Management Analyst II	N/A	\$ 45.81
103	Management Analyst I	N/A	\$ 42.01
104	Space Program Director	\$ 298.75	\$189.26
105	Space Program Senior Management	\$ 269.13	\$ 162.95
106	Space Program Management	\$ 234.03	\$ 141.69
107	Space Program Lead Engineer	\$ 181.72	\$ 111.43
108	Space Program Engineer/Scientist	\$157.88	\$ 96.84
109	Space Program Engineer	\$128.79	\$ 81.59
110	Space Program Administration	\$152.78	\$ 92.50
111	Space Program Technician	\$98.29	\$ 60.44
112	Space Program Hardware Fabrication	\$ 98.29	\$ 62.26
113	Intel Director	\$ 286.46	\$212.08
114	Sr. Intel Engineer	\$ 256.43	\$189.84
115	Intel Engineer	\$ 204.35	\$ 153.30
116	Assoc. Intel Engineer	\$ 145.58	\$ 107.79
117	Sr. Intel Admin (Ex)	\$216.01	\$159.91
118	Intel Admin (Ex)	\$172.13	\$127.45
119	Assoc. Intel Admin (Ex)	\$120.09	\$ 90.09
120	Intel Admin (Non-Ex)	\$ 88.31	\$ 65.38
121	Facility Support Specialist I	\$44.35	\$ 31.91
122	Facility Support Specialist II	\$ 65.12	\$44.29
123	General Support Specialist I	\$37.57	\$28.82
124	General Support Specialist II	\$ 44.35	\$ 31.91
125	General Support Specialist III	\$ 53.48	\$38.56
126	General Support Specialist IV	\$65.12	\$ 44.29

Table 3-5. The NGMS Contractor Site and the Government Site Hourly Rates for Each Labor Category (Option 1 Year 9)

OPTION 1 YEAR 9 (DECEMBER 10, 2007 – DECEMBER 9, 2008)

No.	Labor Category	Contractor Site	Government Site
1	Senior Manager	\$205.89	\$ 162.60
2	Project Manager	\$163.48	\$ 135.10
3	Support Program Director	\$ 172.44	\$131.72
4	Deputy Support Program Director	\$ 147.68	\$ 108.89
5	Support Program Manager	\$ 137.07	\$ 97.64
6	Technical Program Manager	\$ 158.98	\$ 128.10
7	Technical Manager	\$ 129.70	\$ 104.21
8	Strategic Planner	\$ 162.14	\$133.07
9	Senior Quality Assurance Specialist	\$ 96.18	\$ 72.53
10	Quality Assurance Specialist	\$ 83.20	\$ 69.01
11	Systems Technologist I	\$ 179.11	\$ 149.14
12	Systems Technologist II	\$ 148.39	\$ 123.27
13	Systems Technologist III	\$ 122.08	\$97.83
14	Systems Technologist IV	\$ 103.01	\$ 83.27
15	Systems Technologist V	\$89.90	\$ 72.23
16	Senior Functional Analyst	\$137.99	\$113.06
17	Functional Analyst	\$108.13	\$87.11
18	Associate Functional Analyst	\$ 81.16	\$ 66.17
19	Technical Analyst I	\$165.23	\$138.53
20	Technical Analyst II	\$ 138.54	\$116.94
21	Technical Analyst III	\$ 108.03	\$90.24
22	Technical Analyst IV	\$ 76.26	\$ 63.55
23	Technical Support Analyst	\$ 61.09	\$ 46.05
24	Senior Hardware Systems Engineer	\$ 108.13	\$87.11
25	Hardware Systems Engineer	\$ 87.38	\$ 71.05
26	Junior Hardware Systems Engineer	\$ 61.09	N/A
27	Senior Systems Engineer/Architect	\$ 135.22	\$ 109.16
28	Systems Engineer/Architect	\$ 90.59	\$ 73.12
29	Principal Hardware Architect	\$ 130.54	\$103.88
30	Principal Software Architect	\$146.69	\$ 115.83
31	Senior Software Developer	\$ 114.86	\$92.59
32	Software Developer	\$ 88.64	\$ 71.94
33	Junior Software Developer	\$66.70	\$ 56.40
34	Senior Database Developer	\$ 111.54	\$ 87.11
35	Database Developer	\$ 84.88	\$69.73
36	Junior Database Developer	\$ 66.70	\$ 56.40
37	Principal Communications Architect	\$137.99	\$ 111.23
38	Senior Communications Engineer	\$ 114.86	\$93.11
39	Communications Engineer	\$ 88.64	\$71.94
40	Junior Communications Engineer	\$ 66.70	\$55.79

No.	Labor Category	Contractor Site	Government Site
41	Senior Mathematician	\$ 115.66	\$ 89.45
42	Mathematician	\$ 89.27	\$ 70.91
43	Junior Mathematician	\$63.90	\$ 48.49
44	Senior Naval Architect	\$ 154.14	\$116.75
45	Naval Architect	\$ 121.28	\$ 93.11
46	Junior Naval Architect	\$ 74.40	\$57.62
47	Principal Information Technologist	\$ 125.28	\$97.30
48	Senior Information Technologist	\$ 107.28	\$ 86.34
49	Information Technologist	\$ 80.75	\$ 67.31
50	Junior Information Technologist	\$ 66.00	\$55.79
51	Senior Economic Analyst	\$ 108.13	\$ 87.11
52	Economic Analyst	\$80.75	\$ 67.31
53	Junior Economic Analyst	\$61.09	N/A
54	Senior Training Manager	\$137.99	\$ 111.23
55	Senior Instructor	\$108.13	\$ 87.11
56	Instructor	\$72.30	\$ 57.62
57	Senior Technical Writer	\$102.53	N/A
58	Technical Writer	\$71.87	N/A
59	Senior Documentation Specialist	\$ 85.50	\$ 70.02
60	Documentation Specialist	\$ 61.78	\$ 42.31
61	CATEGORY DELETED	N/A	N/A
62	CATEGORY DELETED	N/A	N/A
63	Principal Business Specialist	\$ 141.26	\$ 115.27
64	Senior Business Specialist	\$108.91	\$ 89.56
65	Business Specialist	\$ 89.53	\$ 74.75
66	Business Support Specialist	\$ 62.46	\$ 49.34
67	Senior Project Control Analyst	\$ 88.73	\$ 67.55
68	Project Control Analyst	\$ 76.94	\$ 52.09
69	Assoc. Project Control Analyst	\$ 53.11	N/A
70	Senior Administrative Specialist	\$ 56.22	\$ 51.83
71	Administrative Specialist	\$56.81	\$ 48.29
72	Junior Administrative Specialist	\$41.96	\$ 36.26
73	Senior Clerical Specialist	\$ 56.81	\$ 48.29
74	Clerical Specialist	\$49.81	\$ 44.72
75	Junior Clerical Specialist	\$38.36	\$30.54
76	Senior Development Program Director	\$ 228.55	\$ 173.09
77	Development Program Director	\$ 205.07	\$158.17
78	Development Program Manager	\$ 177.19	\$ 129.88
79	Deputy Development Program Manager	\$ 135.33	\$99.57
80	Principal Technologist	\$241.68	\$180.07
81	Senior Systems Development Engineer	\$177.19	\$134.07
82	Systems Development Engineer	\$ 154.15	\$115.42
83	Assoc. Systems Development Engineer	\$135.33	\$ 99.57
84	Senior Engineer/Scientist	\$ 152.91	\$ 120.50

No.	Labor Category	Contractor Site	Government Site
85	Engineer/Scientist	\$ 125.54	\$98.93
86	Mid Engineer/Scientist	\$ 78.33	\$ 61.72
87	Senior Engineering Technician	\$ 81.89	\$ 63.31
88	Engineering Technician	\$ 45.32	\$ 46.88
89	Junior Engineering Technician	\$ 41.97	\$ 34.57
90	Senior Logistics Analyst	\$ 98.04	\$ 78.00
91	Logistics Analyst	\$ 86.25	\$66.97
92	Junior Logistics Analyst	\$50.25	\$ 37.31
93	Senior Acquisition Specialist	\$100.89	\$80.56
94	Acquisition Specialist	\$84.28	\$ 64.99
95	Junior Acquisition Specialist	\$55.54	\$ 40.83
96	Engineering Support Analyst I	\$ 100.89	\$80.56
97	Engineering Support Analyst II	\$85.10	\$66.12
98	Engineering Support Analyst III	\$ 71.58	\$54.05
99	Engineering Support Analyst IV	\$ 63.01	\$46.07
100	Engineering Support Analyst V	\$ 53.51	\$ 39.47
101	Senior Management Analyst	N/A	\$ 65.53
102	Management Analyst II	N/A	\$ 47.23
103	Management Analyst I	N/A	\$ 43.31
104	Space Program Director	\$ 308.01	\$ 195.13
105	Space Program Senior Management	\$ 277.48	\$168.00
106	Space Program Management	\$241.29	\$146.08
107	Space Program Lead Engineer	\$ 187.35	\$ 114.89
108	Space Program Engineer/Scientist	\$ 162.78	\$99.84
109	Space Program Engineer	\$132.79	\$ 84.12
110	Space Program Administration	\$157.52	\$ 95.37
111	Space Program Technician	\$ 101.34	\$62.31
112	Space Program Hardware Fabrication	\$ 101.34	\$ 64.19
113	Intel Director	\$ 295.34	\$ 218.66
114	Sr. Intel Engineer	\$ 264.38	\$ 195.72
115	Intel Engineer	\$ 210.69	\$ 158.05
116	Assoc. Intel Engineer	\$150.09	\$ 111.13
117	Sr. Intel Admin (Ex)	\$222.71	\$ 164.87
118	Intel Admin (Ex)	\$ 177.47	\$ 131.40
119	Assoc. Intel Admin (Ex)	\$ 123.82	\$ 92.88
120	Intel Admin (Non-Ex)	\$ 91.05	\$ 67.41
121	Facility Support Specialist I	\$ 45.72	\$ 32.90
122	Facility Support Specialist II	\$ 67.14	\$ 45.67
123	General Support Specialist I	\$ 38.73	\$ 29.72
124	General Support Specialist II	\$45.72	\$ 32.90
125	General Support Specialist III	\$ 55.14	\$ 39.76
126	General Support Specialist IV	\$67.14	\$ 45.67

Table 3-6. The NGMS Contractor Site and the Government Site Hourly Rates for Each Labor Category (Option 1 Year 10)

OPTION 1 YEAR 10 (DECEMBER 10, 2008 – DECEMBER 9, 2009)

No.	Labor Category	Contractor Site	Government Site
1	Senior Manager	\$212.28	\$ 167.64
2	Project Manager	\$ 168.55	\$ 139.29
3	Support Program Director	\$ 177.78	\$135.81
4	Deputy Support Program Director	\$ 152.26	\$112.26
5	Support Program Manager	\$ 141.32	\$100.67
6	Technical Program Manager	\$ 163.91	\$132.08
7	Technical Manager	\$133.72	\$107.44
8	Strategic Planner	\$ 167.17	\$137.20
9	Senior Quality Assurance Specialist	\$ 99.16	\$ 74.78
10	Quality Assurance Specialist	\$ 85.78	\$ 71.15
11	Systems Technologist I	\$184.66	\$ 153.76
12	Systems Technologist II	\$ 152.99	\$ 127.09
13	Systems Technologist III	\$125.86	\$ 100.86
14	Systems Technologist IV	\$ 106.21	\$85.85
15	Systems Technologist V	\$ 92.69	\$ 74.47
16	Senior Functional Analyst	\$ 142.27	\$ 116.57
17	Functional Analyst	\$111.48	\$ 89.81
18	Associate Functional Analyst	\$ 83.67	\$ 68.23
19	Technical Analyst I	\$ 170.35	\$ 142.82
20	Technical Analyst II	\$142.83	\$ 120.56
21	Technical Analyst III	\$ 111.38	\$ 93.03
22	Technical Analyst IV	\$ 78.62	\$ 65.52
23	Technical Support Analyst	\$ 62.98	\$47.48
24	Senior Hardware Systems Engineer	\$ 111.48	\$ 89.81
25	Hardware Systems Engineer	\$ 90.09	\$ 73.26
26	Junior Hardware Systems Engineer	\$ 62.98	N/A
27	Senior Systems Engineer/Architect	\$ 139.42	\$112.54
28	Systems Engineer/Architect	\$93.40	\$75.39
29	Principal Hardware Architect	\$ 134.59	\$ 107.10
30	Principal Software Architect	\$151.24	\$ 119.42
31	Senior Software Developer	\$ 118.42	\$95.46
32	Software Developer	\$ 91.39	\$74.17
33	Junior Software Developer	\$ 68.77	\$58.14
34	Senior Database Developer	\$115.00	\$ 89.81
35	Database Developer	\$ 87.51	\$71.89
36	Junior Database Developer	\$ 68.77	\$58.14
37	Principal Communications Architect	\$142.27	\$ 114.68
38	Senior Communications Engineer	\$ 118.42	\$96.00
39	Communications Engineer	\$91.39	\$ 74.17
40	Junior Communications Engineer	\$68.77	\$ 57.52

No.	Labor Category	Contractor Site	Government Site
41	Senior Mathematician	\$119.24	\$92.22
42	Mathematician	\$ 92.04	\$ 73.11
43	Junior Mathematician	\$65.88	\$ 49.99
44	Senior Naval Architect	\$ 158.91	\$ 120.37
45	Naval Architect	\$125.04	\$ 96.00
46	Junior Naval Architect	\$76.71	\$ 59.41
47	Principal Information Technologist	\$ 129.17	\$ 100.32
48	Senior Information Technologist	\$ 110.60	\$ 89.02
49	Information Technologist	\$83.26	\$ 69.40
50	Junior Information Technologist	\$ 68.05	\$ 57.52
51	Senior Economic Analyst	\$ 111.48	\$ 89.81
52	Economic Analyst	\$83.26	\$ 69.40
53	Junior Economic Analyst	\$ 62.98	N/A
54	Senior Training Manager	\$142.27	\$ 114.68
55	Senior Instructor	\$111.48	\$ 89.81
56	Instructor	\$74.54	\$ 59.41
57	Senior Technical Writer	\$105.71	N/A
58	Technical Writer	\$ 74.10	N/A
59	Senior Documentation Specialist	\$ 88.15	\$ 72.20
60	Documentation Specialist	\$ 63.69	\$ 43.62
61	CATEGORY DELETED	N/A	N/A
62	CATEGORY DELETED	N/A	N/A
63	Principal Business Specialist	\$ 145.64	\$ 118.85
64	Senior Business Specialist	\$112.28	\$ 92.34
65	Business Specialist	\$ 92.30	\$77.07
66	Business Support Specialist	\$ 64.39	\$ 50.87
67	Senior Project Control Analyst	\$ 91.48	\$ 69.65
68	Project Control Analyst	\$ 79.32	\$ 53.70
69	Assoc. Project Control Analyst	\$ 54.76	N/A
70	Senior Administrative Specialist	\$57.96	\$53.44
71	Administrative Specialist	\$ 58.57	\$49.79
72	Junior Administrative Specialist	\$ 43.26	\$ 37.38
73	Senior Clerical Specialist	\$ 58.57	\$49.79
74	Clerical Specialist	\$51.36	\$46.11
75	Junior Clerical Specialist	\$39.55	\$31.49
76	Senior Development Program Director	\$ 235.63	\$ 178.46
77	Development Program Director	\$ 211.43	\$ 163.08
78	Development Program Manager	\$ 182.69	\$ 133.90
79	Deputy Development Program Manager	\$139.53	\$102.65
80	Principal Technologist	\$ 249.18	\$ 185.65
81	Senior Systems Development Engineer	\$ 182.69	\$138.22
82	Systems Development Engineer	\$ 158.93	\$118.99
83	Assoc. Systems Development Engineer	\$ 139.53	\$ 102.65
84	Senior Engineer/Scientist	\$ 157.65	\$ 124.24

No.	Labor Category	Contractor Site	Government Site
85	Engineer/Scientist	\$129.44	\$ 102.00
86	Mid Engineer/Scientist	\$ 80.75	\$ 63.64
87	Senior Engineering Technician	\$ 84.43	\$ 65.27
88	Engineering Technician	\$ 46.72	\$ 48.33
89	Junior Engineering Technician	\$ 43.27	\$ 35.65
90	Senior Logistics Analyst	\$ 101.08	\$ 80.42
91	Logistics Analyst	\$ 88.92	\$69.05
92	Junior Logistics Analyst	\$ 51.81	\$ 38.47
93	Senior Acquisition Specialist	\$ 104.02	\$ 83.05
94	Acquisition Specialist	\$ 86.89	\$67.01
95	Junior Acquisition Specialist	\$ 57.26	\$ 42.10
96	Engineering Support Analyst I	\$ 104.02	\$ 83.05
97	Engineering Support Analyst II	\$ 87.73	\$68.17
98	Engineering Support Analyst III	\$ 73.80	\$ 55.73
99	Engineering Support Analyst IV	\$ 64.97	\$47.50
100	Engineering Support Analyst V	\$ 55.17	\$ 40.70
101	Senior Management Analyst	N/A	\$67.56
102	Management Analyst II	N/A	\$ 48.69
103	Management Analyst I	N/A	\$ 44.66
104	Space Program Director	\$317.56	\$201.18
105	Space Program Senior Management	\$ 286.08	\$173.21
106	Space Program Management	\$248.77	\$150.61
107	Space Program Lead Engineer	\$ 193.16	\$118.45
108	Space Program Engineer/Scientist	\$ 167.82	\$102.94
109	Space Program Engineer	\$ 136.90	\$86.73
110	Space Program Administration	\$ 162.40	\$98.33
111	Space Program Technician	\$104.48	\$ 64.24
112	Space Program Hardware Fabrication	\$ 104.48	\$66.18
113	Intel Director	\$ 304.50	\$ 225.44
114	Sr. Intel Engineer	\$ 272.58	\$201.79
115	Intel Engineer	\$ 217.22	\$ 162.95
116	Assoc. Intel Engineer	\$ 154.74	\$114.57
117	Sr. Intel Admin (Ex)	\$ 229.61	\$ 169.98
118	Intel Admin (Ex)	\$ 182.97	\$135.47
119	Assoc. Intel Admin (Ex)	\$127.66	\$95.76
120	Intel Admin (Non-Ex)	\$ 93.87	\$ 69.50
121	Facility Support Specialist I	\$ 47.14	\$ 33.92
122	Facility Support Specialist II	\$69.22	\$47.08
123	General Support Specialist I	\$ 39.93	\$ 30.64
124	General Support Specialist II	\$ 47.14	\$ 33.92
125	General Support Specialist III	\$56.85	\$ 40.99
126	General Support Specialist IV	\$ 69.22	\$ 47.08

4.0 NGMS PRICING SPECIFICS

1. The prices indicated are valid through December 9, 2009.
2. The Government's order shall contain a detailed description of the specific effort and the duration of service.
3. The minimum order value for a Government order is \$300.
4. NGMS' established corporate policy with respect to travel expenses is to charge the Government for actual cost of lodging, not to exceed the Federal Travel Regulations (FTR) lodging per diem amount specified for the destination city plus applicable loadings. Meals and incidental expenses are charged at the FTR per diem rate plus applicable loadings. All requested travel between Government sites will be chargeable. Local travel is not reimbursable (i.e.; normal commuting from home to work site). Other Direct Costs (ODCs) will be billed at cost plus applicable indirect loadings.
5. The Government site rate is appropriate for Government requirements for which NGMS personnel are temporarily supporting the Government where (1) the Government provides all required facilities and equipment at a Government location and (2), the effort is or is anticipated to be performed by persons assigned on a long term (not less than 90 consecutive calendar days) full-time basis. If the Government requires on-site support, NGMS will provide such support provided that facilities made available to NGMS on-site personnel are at least equal to facilities that the Government provides to its own personnel of comparable experience, ability, and position who are performing similar work. These facilities shall include all of the equipment necessary.
6. Service is subject to the availability of qualified personnel. Should personnel performing a particular service become unavailable for continuing performance, NGMS will provide a suitable substitute, if available. Performance will be subject to personal time off, in accordance with NGMS Policy, on a mutually agreeable schedule. Services are subject to the Terms and Conditions of the Contract.
7. No tax, including but not limited to income tax, value-added tax, business tax, withholding tax, turnover tax, or employee tax equalization expense has been incorporated in the rates. If NGMS and/or its employees are subject to any incremental foreign jurisdiction taxes, NGMS shall be entitled to increase its contract value for an equivalent amount.

8. Statistical Data for Government Ordering Office:

Order/Modification Under Federal Schedule

Contractor Establishment Code (DUNS) 083864038

Type of Contractor - C. Large Business

Woman-Owned Small Business – No

Contractor's Taxpayer Identification Number (TIN) – 34-0575430

CAGE Code: 69736

5.0 CUSTOMER INFORMATION**1. Special Item Numbers - See Page 3****2. Maximum Order:**

The maximum dollar value per delivery order will be \$750,000 for all Professional Engineering Services. (See Question 1 under “Commonly Asked Questions”, Page 57)

3. Minimum Order Requirements:

The minimum dollar value of orders to be issued is \$300.

4. Geographic Scope of Contract:

The geographic scope of this Contract is the 48 contiguous states, the District of Columbia, Alaska, Hawaii, the Commonwealth or Puerto Rico, and all U.S. Government installations and/or agencies abroad.

5. Production Points and Statement Concerning Foreign Produced Items:

Fairfax, Virginia, Fairfax County, 22033-4411. No foreign products will be provided at this time. All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

6. Discounts: (All prices listed are shown NET of discount)

6a. Quantity Discounts: None

6b. Dollar Volume: None

6c. Government Educational Institutions: None

6d. Discount for use of Government Commercial Credit Card: None

7. Other Discounts – Not Applicable**8. Prompt Payment Terms: Net 30 Days****9. Government Commercial Credit Cards are accepted.**

9a. Contractors are required to accept the Government purchase card for payments equal to or less than the micro-purchase threshold for oral or written delivery orders.

9b. Government purchase cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

10. Contractor’s Ordering Address:

Northrop Grumman Mission Systems & Information Technology Group

Attention: Brooke A. Cress

12900 Federal Systems Park Drive, Fairfax, Virginia 22033-4411

E-Mail: brooke.a.cress@ngc.com

11. Contractor’s Payment Address:

Payment by check should be sent to:

Northrop Grumman Space & Mission Systems Corp.

C/o JP Morgan Chase Bank, New York

Account Number: 323397395

P.O. Box 27307
New York, NY 10087-7307

Wire Transfer Payment (EFT Remittance)

Northrop Grumman Space & Mission Systems Corp.
Account Number: 323397395
Bank ABA Number: 021000021
P.O. Box 27307
New York, NY 10087-7307

Below are the telephone numbers that can be used by ordering agencies to obtain the technical and/or ordering assistance.

Phone: (703) 803-5729
Fax: (703) 968-2205

- 12. Export Packing Charges:** Not applicable
- 13. Terms and Conditions of Government Credit Card:** In accordance with the Government Commercial Credit Card guidelines.
- 14. Year 2000 Warranty - Commercial Supply Items**

“Year 2000 compliant” means information technology that accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations. Furthermore, Year 2000 compliant information technology, when used in combination with other information technology, shall accurately process date/time data if the other information technology properly exchanges date/time data with it.

The Contractor warrants that each hardware, software, and firmware product delivered under this contract shall be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the product documentation provided by the Contractor, provided that all listed or unlisted products (e.g. hardware, software, firmware) used in combination with such listed product properly exchange date data with it. If the contract requires that specific listed products must perform as a system in accordance with the foregoing warranty, then that warranty shall apply to those listed products as a system. The duration of this warranty and the remedies available to the Government for breach of this warranty shall be as defined in, and subject to, the terms and limitations of the Contractor’s standard commercial warranty or warranties contained in this contract, provided that notwithstanding any provision to the contrary in such commercial warranty or warranties, the remedies available to the Government under this warranty shall include repair or replacement of any listed product whose non-compliance is discovered and made known to the Contractor in writing within ninety (90) days after acceptance. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract with respect to defects other than Year 2000 performance.

- 15. Environmental Attributes – Not Applicable**
- 16. Data Universal Number System (DUNS) Number - 083864038**

17. Notification regarding registration in Central Contractor Registration (CCR) Database

NGMS has several listings on the CCR. For the purposes of this contract, the DUNS number is 083864038 and the CAGE Code is 69736.

18. Foreign Items: Not applicable.**19. Time of Delivery:** Delivery Schedule shall be specified in each Delivery Order/Task Order**20. Expedited Delivery:** Not Applicable**21. Overnight and 2-day delivery:** Not applicable**22. Urgent Requirements:**

The NGMS PES Project Manager and/or contracts point of contact will be immediately available by phone or reachable within two hours by using a pager. Both individuals will be able to start the process at NGMS to receive any urgent task order requirement. Task requirements will be identified, and an assessment will be made as to NGMS' ability to provide rapid response in terms of qualified personnel and other necessary resources. Discussions concerning price and start date will then be held with the customer contracting officer placing the order. For straightforward requirements, this process can be as short as a few hours; more complex requirements may require up to two working days.

23. F.O.B. point: Destination**24. Warranty Provision:**

For the purpose of this contract, commitments, warranties and representations include that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the Government for consequential damages resulting from any defect or deficiencies in accepted items. The Contractor shall comply with all applicable Federal, State and local laws, executive orders, rules and regulations applicable to its performance under this contract.

25. 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 lesser.

6.0 INFORMATION FOR ORDERING OFFICES

SPECIAL NOTICES TO AGENCIES:

SMALL BUSINESS PARTICIPATION

The Small Business Administration (SBA) strongly supports the participation of small business concerns in the Federal Supply Schedules Program. To enhance small business participation, SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micro-purchase threshold, FAR 8.404 requires agencies to consider the catalogs/price lists of at least three schedule contracts or consider reasonably available information by using the GSA Advantage!TM on-line shopping service (www.gsa.gov). The catalogs/price lists, GSA Advantage!TM and the Federal Supply Service Home Page (www.gsa.gov) contains information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting price lists for a best value determination.

For orders exceeding the micro-purchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

7.0 COMMONLY ASKED QUESTIONS

1. Is there an order limit of \$750,000?

No. There is no Maximum Order Limitation (MOL) with any order. The “maximum order” value of \$750,000 is a threshold for asking the vendor for a discount.

2. Are there any services that I cannot purchase from the NGMS PES GSA Schedule?

Any Professional Engineering Services work may be performed under the GSA Schedule. NGMS may add Special Item Numbers (SINs) as they are needed. However, modifications take about three months to process at GSA.

3. Is award under the PES Schedule considered competitive?

Yes, under Federal Procurement regulations, the award placed under PES is considered to be a competitive procurement.

4. If I use the schedule, will I lose control of my project?

No. When you use NGMS’ PES GSA Schedule, you will be dealing directly with NGMS.

5. Can I obligate money now but spend it later?

Yes. You can obligate funds for future use through a Blanket Purchase Agreement (BPA). The establishment of Federal Supply Schedule BPAs is permitted when following the ordering procedures in FAR 8.404. All schedule contracts contain BPA provisions. Ordering offices may use BPAs to establish accounts with Contractors to fill recurring requirements. BPAs should address the frequency of ordering and invoicing, discounts, and delivery locations and times.

6. What about Contractor Team Arrangements?

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a customer agency requirements. The policy and procedures outlined in this part will provide more flexibility and allow innovative acquisition methods when using the Federal Supply Schedules.

7. What type of order can I use?

The rates in NGMS’ GSA Schedule can be used for either FFP or Labor hour.

8. What if I want an item (e.g., computer hardware) that is not provided on the NGMS GSA Schedule?

Open Market (OM) items may be purchased on the same order with GSA Schedule items, as long as items are clearly distinguished as open market items.

9. What are the invoicing procedures?

Invoices shall be submitted on a monthly basis on the date prescribed in each order in accordance with the provisions of FAR 52.232-7 “Payments Under Time-And Materials and Labor-Hour Contracts” or in the case of FFP tasks, in accordance with an agreed-upon milestone payment schedule. The invoice shall reflect the services delivered to the Government agency during the previous month. NGMS is responsible for quarterly payment of the .75% Industrial Funding Fee to GSA.

10. What if there are Security Requirements?

In the event security requirements are necessary, the ordering activities may incorporate, in their delivery order(s), 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 be negotiated with the Schedule Contractor on an open market basis, outside the scope of the contract.

11. What is GSA Advantage! (replaces the OSS ITS On-Line Schedule System)?

The GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. The GSA Advantage! will allow the user to perform various searches across all contracts. Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex., Netscape). The Internet address is <http://www.gsa.gov>.

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