

## ABOUT THE GSA PES FEDERAL SUPPLY SCHEDULE

*The GSA PES Federal Supply Schedule offers Federal agencies a streamlined procurement device for obtaining high quality professional engineering services in varying degrees from small-scale to broad based efforts to complete outsourcing.*

### **Advantages of Using the GSA PES...**

- Dramatically reduces lead-time to obtain services - typically a few weeks
- Task Order awards based on Best Value
  - All applicable laws and regulations have been applied - including small business set-asides
  - FedBizOpps synopsis not required
  - Competition requirements have been met
- Prices have been determined to be fair and reasonable
- Contractor/customer direct relationship - no transfer of funds to GSA
- Blanket Purchase Agreements (BPA) can be established to negotiate even better pricing
- Use of contractor teams and subcontractors is encouraged

Agencies placing orders against the GSA PES Federal Supply Schedule do not need to seek further competition, synopsise requirements, make determinations of fair and reasonable pricing, or consider small business set-asides; the GSA Services Acquisition Center has already completed these requirements. Therefore, agencies that use this Federal Supply Schedule can be assured that their procurement will be the best value available and will comply with all applicable regulations.

### **Why General Scientific Corporation..**

Founded in 1987 General Scientific is a minority-owned, small business having a professional staff with expertise and experience in delivering PES services and solutions. Our worldwide reputation, experience, and ability to assemble diverse teams and technologies enable us to respond rapidly to each customer's unique circumstances and provide them with best in-class services and solutions.

At its incorporation in 1987, General Scientific concentrated on providing engineering services to the Naval antisubmarine warfare community in the technology area of acoustic processors. Since then we have successfully increased our client base and provide a complete range of PES services and solutions.

### **Scope of Work...**

With the emphasis on reinventing government, reducing bureaucracy, rewarding innovation, and improving customer service, Federal agencies require professional engineering services that can be provided in an efficient, streamlined, and cost effective manner. The GSA PES Federal Supply Schedule offers such services in varying degrees from small scale to broad based efforts to complete outsourcing. Through this schedule authorized users can turn to General Scientific. We offer a singularly well-qualified professional staff that provides best-in-class PES services and solutions in the areas of:

- Strategic Planning for Technology Programs/ Activities
- Concept Development and Requirements Analysis
- System Design, Engineering and Integration
- Test and Evaluation
- Integrated Logistics Support (ILS)
- Acquisition and Life Cycle Management

### **Authorized Users...**

- All Federal agencies and activities in the executive, legislative, and judicial branches
- Government contractors authorized in writing by a Federal agency pursuant to CFR 51.1
- Mixed ownership government corporations (as defined in the Government Corporation

## General Scientific Corporation

Control Act)

- The government of the District of Columbia
- Other activities and organizations authorized by statute or regulation to use GSA as a source of supply

### Placing and Order...

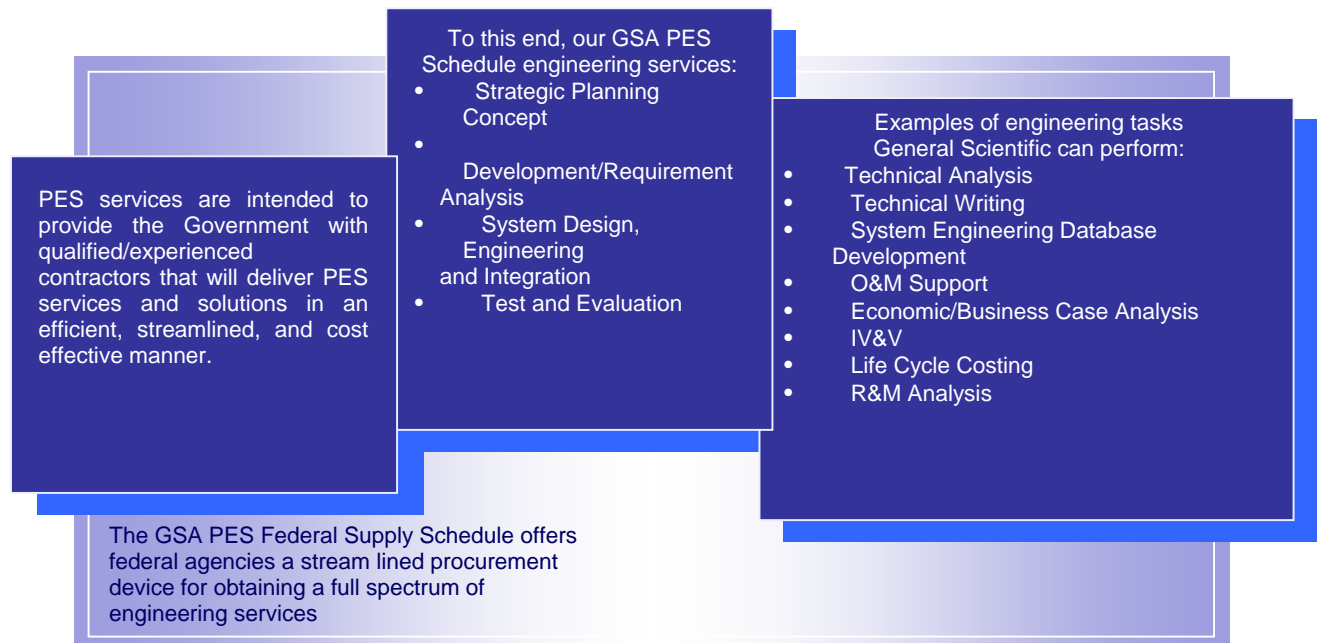
To obtain GSA PES services and solutions, Federal agencies may work directly with approved GSA PES contractors such as General Scientific. For orders under \$2,500, agencies can order services simply by placing an order with their contractor of choice. For orders over \$2,500, the following is a simplified procedure for placing an order.

## Professional Engineering Services

**Step 1:** The ordering office prepares a Request for Quote that outlines, at a minimum, the work to be performed, location of work, period of performance, deliverable schedule, and other applicable requirements.

**Step 2:** Based upon an initial evaluation of catalogs and price lists, the ordering office identifies the contractors that appear to offer the best value and provides the request for quote to three (3) contractors.

**Step 3:** After contractor responses to the request for quote have been evaluated, the ordering office places the order directly with the contractor that represents best value.



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

**Prices Shown Herein are Net (discount deducted).**

**PROFESSIONAL ENGINEERING SERVICES (PES)  
FSC Group 87**

**Contract Number: GS-23F-0223K**

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

**Contract Period: May 2, 2000 through May 1, 2005  
(Extended by Amendment P0-0003 through April 30, 2010)**

**General Scientific Corporation  
1201 M Street, S.E.  
Maritime Plaza I, Suite 120  
Washington, DC 20003-3711**

**Telephone: (202) 547-4299 / (888) 416-8810**

**Fax Number: (202) 547-7019/7550**

**Website: <http://www.genscicorp.com>**

**Contract Administration: Alex M. Plewniak  
e-mail: [plewniak@mailgsc.genscicorp.com](mailto:plewniak@mailgsc.genscicorp.com)**

**Business Size: Small**

**On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!<sup>TM</sup>, a menu-driven database system.**

**The INTERNET address for GSA Advantage!<sup>TM</sup> is <http://www.GSAAdvantage.gov>.**

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**CUSTOMER INFORMATION**

**1a. Table of Awarded Special Item Numbers (SINs)**

SIN Number	Description
871-1	Strategic Planning for Technology Programs
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

**1b. Identification of Lowest Priced Model Number and Unit Price:** Not Applicable.

**2. Maximum Order:** \$750,000.00. Notwithstanding this limit, agencies may place and General Scientific may honor orders exceeding this limit in accordance with FAR 8.404. The maximum order is the suggested renegotiation point whereby agencies should seek additional concessions if orders exceed this amount. Orders placed pursuant to a Multiple Award Schedule (MAS), using the procedures in FAR 8.404, are considered to be issued pursuant to full and open competition. Therefore, when placing orders under Federal Supply Schedules, ordering offices need not seek further competition, synopsise the requirement, make a separate determination of fair and reasonable pricing, or consider small business set-asides in accordance with subpart 19.5. GSA has already determined the prices of items under schedule contracts to be fair and reasonable. By placing an order against a schedule using the procedures outlined below,

the ordering office has concluded that the order represents the best value and results in the lowest overall cost alternative (considering price, special features, administrative costs, etc.) to meet the Government’s needs.

**a. Orders Placed At or Below the Micro-purchase Threshold.** Ordering offices can place orders at or below the micro-purchase threshold with any Federal Supply Schedule Contractor.

**b. Orders Exceeding the Micro-Purchase Threshold But Not Exceeding the Maximum Order Threshold.** Orders should be placed with the Schedule Contractor that can provide the supply or service that represents the best value. Before placing an order, ordering officers should consider reasonably available information about the supply or service offered under MAS contracts by using the “GSA Advantage!” on-line shopping service, or by reviewing the catalogs/pricelists of at least three Schedule Contractors and selecting the delivery and other options available under the schedule that meets the agency’s needs. In selecting the supply or service representing the best value, the ordering office may consider—

- (1) Special features of the supply or service that are required in effective program performance and that are not provided by a comparable supply or service;
- (2) Trade-in considerations;
- (3) Probable life of the item selected as compared with that of a comparable item;
- (4) Warranty considerations;
- (5) Maintenance availability;
- (6) Past performance; and
- (7) Environmental and energy efficiency considerations.

BPA is permitted when following the ordering procedures

**c. Orders Exceeding the Maximum Order Threshold.** Each schedule contract has an established maximum order threshold. This threshold represents the point where it is advantageous for the ordering office to seek a price reduction. In addition to following the procedures in paragraph b, above, and before placing an order that exceeds the maximum order threshold, ordering offices shall—

- (1) Review additional Schedule Contractors' catalogs/pricelists or use the "GSA Advantage!" on-line shopping service;
- (2) Based upon the initial evaluation, generally seek price reductions from the Schedule Contractor(s) appearing to provide the best value (considering price and other factors); and
- (3) After price reductions have been sought, place the order with the Schedule Contractor that provides the best value and results in the lowest overall cost alternative. If further price reductions are not offered, an order may still be placed, if the ordering office determines that it is appropriate.

**NOTE:** For orders exceeding the maximum order threshold, the Contractor may:

- (1) Offer a new lower price for this requirement (the Price Reductions clause is not applicable to orders placed over the maximum order in FAR 52.216-19 Order Limitations);
- (2) Offer the lowest price available under the contract; or
- (3) Decline the order (orders must be returned in accordance with FAR 52.216-19).

**d. Blanket Purchase Agreement (BPAs).** The establishment of Federal Supply Schedule

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.

**e. Price Reductions.** In addition to the circumstances outlined in paragraph c, above, there may be instances when ordering offices will find it advantageous to request a price reduction. For example, when the ordering office finds a schedule supply or service elsewhere at a lower price or when a BPA is being established to fill recurring requirements, requesting a price reduction could be advantageous. The potential volume of orders under these agreements, regardless of the size of the individual order, may offer the ordering office the opportunity to secure greater discounts. Schedule Contractors are not required to pass on to all schedule users a price reduction extended only to an individual agency for a specific order.

**f. Documentation.** Orders should be documented, at a minimum, by identifying the Contractor the item was purchased from, the item purchased, and the amount paid. If an agency requirement in excess of the micro-purchase threshold is defined so as to require a particular brand name, product, or feature of a product peculiar to one manufacturer, thereby precluding consideration of a product manufactured by another company, the ordering office shall include an explanation in the file as to why the particular brand name, product, or feature is essential to satisfy the agency's needs.

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

When the Government requires supplies or services covered by this contract in an amount less than \$100, the Government is not

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obligated to purchase, nor is General Scientific obligated to furnish those supplies or services

under this contract. However, if the Government places such an order, they shall be deemed to be accepted by General Scientific, unless returned to the ordering office within 5 workdays after receipt by General Scientific.

**4. Geographic Coverage (Delivery Area):**

Contractor will provide domestic coverage only.

**5. Point(s) of Production: (City, County, and State or foreign country):**

General Scientific Corporation  
1201 M Street, S. E.  
Maritime Plaza I, Suite 120  
Washington, District of Columbia

**6. Discount From List Prices or Statement of Net Price:** Prices shown herein are GSA Net prices (discount deducted.)

**7. Quantity Discounts:** None.

**8. Prompt Payment Terms:** Net 30.

**9a. Government Purchase Card is Accepted Below the Micropurchase level:** YES.

**9b. Government Purchase Card is Accepted Above the Micropurchase Level:** YES.

**10. Foreign Items:** None.

**11a. Time of Delivery:** Not Applicable.

**11b. Expedited Delivery:** Not Applicable.

**11c. Overnight and 2-Day Delivery:** Not Applicable.

**11d. Urgent Requirements:** Not Applicable.

**12. F.O.B. Point(s):** Not Applicable.

*Professional Engineering Services*

**13. Ordering Address:**

General Scientific Corporation  
1201 M Street, S.E.  
Maritime Plaza I, Suite 120

Washington, DC 20003-3711

**14. Payment Address:**

Wachovia Bank  
Attn: General Scientific Corporation  
P.O. Box 563966  
Charlotte, NC 28262-3966

**15. Warranty Provision:** Not Applicable.

**16. Export Packing Charges:** Not Applicable.

**17. Terms and Conditions of Government Purchase Card Acceptance (any Thresholds Above the Micropurchase Level):** None.

**18. Terms and Conditions of Rental, Maintenance, and Repair:** Not Applicable.

**19. Terms and conditions of Installation:** Not applicable.

**20. Terms and Conditions of Repair Parts:** Not Applicable.

**20a. Terms and Conditions For Any Other Services:** Not Applicable.

**21. List of Services and Distribution Points:** Not Applicable.

**22. List of Participating Dealers:** Not Applicable.

**23. Preventive Maintenance:** Not Applicable.

**24. Environmental Attribute, e.g., Recycled Content, Energy Efficiency, and/or Reduced Pollutants:** Not Applicable.

**25. Data Universal Number System (DUNS) Number:** 18-565-8903

## 26. Registration in Central Contractor Registration (CCR) Database: YES.

### DESCRIPTION OF SERVICES

#### OVERVIEW

GSA established the Professional Engineering Services (PES) Multiple Award Schedule as a procurement vehicle available to all Government agencies. Using the PES Schedule, agencies can obtain high quality services from qualified/experienced contractors. These services range from small-scale to broad-based efforts to complete outsourcing. The PES Schedule Contract is an efficient, streamlined, and cost effective manner in which agencies can obtain these services in accordance with applicable statutes and regulations.

General Scientific was awarded Contract GS-23F-0223K, effective May 2, 2000, to provide these kinds of services. A more detailed description of PES is provided herein along with labor category descriptions and rates. The original period of performance was five (5) years through May 2, 2005 with one five (5) year option, which was elected by GSA on July 21, 2005 and continues through April 3, 2010. Under this contract agencies can place both firm fixed price and time and material task orders.

#### DESCRIPTION OF SINs

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

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

objectives, requirements analysis, organizational performance assessment, special studies and analysis, training, privatization and outsourcing.

##### Example of General Scientific's Capability:

Since 1987, General Scientific has provided strategic planning services to the Naval Sea Systems Command, Program Executive Office for Mine Warfare Systems (PMS210/PMS490, and PMS495). These efforts include strategic planning for surface, subsurface, and airborne mine countermeasures, mine systems, ship design for mine sweeping and mine placement, and related classified projects.

Strategic planning services being provided by General Scientific include development of the strategic plan for the program. This involves outlining the steps in systems development processes; estimating time required for various development efforts; determination of out year funding and resource requirements; scheduling, development efforts to take maximum advantage of similar projects on aircraft or ship platforms; discussion and coordination with other military, civilian and contractor members of the team; development of plans of action and milestones; technical specifications for solicitation and integration of inputs from other team members; preparation of briefings to explain the proposed plan; explanation of details in the plan; and incorporation of program changes.

Other strategic planning services being provided by General Scientific include analysis and interpretation of various requirements documents; translation of requirements into engineering plans; and preparation of briefing materials to explain the

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long range tactical advantages of systems. Our personnel draft and edit technical documentation including Operational

Requirements Document, Test and Evaluation Master Plan, Systems Engineering Master Plan and Single Acquisition Management Plan.

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

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

*Example of General Scientific's Capability:* Since 1987, General Scientific has provided classified concept development and requirements analysis support to the Naval Air Systems Command, and Naval Air Warfare Center Aircraft Division Program Offices involved with Project Beartrap program. These services include recurring training support and evaluation for Weapons system Trainers (WSTs), crewmembers, aircraft and laboratory systems, operator-machine interface support, field acquisition test data support and forward site depot level support., providing constructive feedback on tactical and crew coordination performance. All services require SECRET facility and staff clearances.

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

### *Professional Engineering Services*

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

#### *Example of General Scientific's Capability:*

As the prime contractor, General Scientific furnishes the SPAWAR Systems Center, Communications Network Fleet Engineering Systems Division (D63) with systems design, engineering, technical, and integration services that include furnishing equipment and installation of a wide variety of command, control, and communications equipment and antennas; base-level information infrastructure, fiber optic upgrades; closed circuit television systems; tactical video teleconferencing systems; and receiving equipment for the International Maritime Satellite. Services include site surveys, design, supply integration, installation, testing, and training.

General Scientific's efforts under the NISIS contract includes primarily Installation support and technical support, but also include Integrated Logistics Support (ILS) support and Non-Integrated Shipboard Installations that are necessary as part of the shore site installations. This effort requires the procurement and usage of a significant amount of Commercial-Off-The-Shelf (COTS) and Commercial Non-Developmental Items (CANDI), including hardware and software for each of the supported task orders.

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The contract is utilized extensively by SPAWAR SSC Code D63. This contract is primarily for the installation of Andrew Low Profile Spira-Cone High Frequency (HF) Antenna Systems and modification or new installations into the Automated Technical Control Facility (ATCF). Any replacement, follow-on, or interrelated system associated with the systems are also included in any related work in the future. The NISIS contract is primarily for traditional “Blue Collar” support. The nature and complexity of the work, based on our last contract, may change later on and often conflicts with the original SOW.

Work also includes tasking for the following systems, some of which the content are classified: Automated Network Control Center /Automatic Technical Control Facility (ANCC/ATCF); Certified Authority Workstation (CAW); High Assurance Guard (HAG); High Frequency (HF) Communications Systems; INFORMATION SECURITY (INFOSEC); Navy Standard Integrated Personnel System (NSIPS); and Andrew Spira-Cone System

Based upon client needs and requirements, individual equipment specifications are researched to determine the best overall system design. Depending on overall system and project complexity, the following criteria are used to create an Installation Design Plan (IDP): network topology and physical layout; outside cable plant; facility and bandwidth requirements; network management and legacy systems, wide, metropolitan, and local area networks; (WAN/MAN/LAN) interface requirements; and security requirements. After further discussion with the client, a formalized IDP is developed. The details and complexity of the plan are entirely client-driven. The following IDP components are available to the client, depending upon the level of detail required: Title Page; Vicinity Map, Site Map, BOM/Equipment List; Equipment Layout/Floor Plan, Equipment elevation; Functional Diagram, Signal Flow Diagram, single Line Diagram, cabling diagram, Wiring diagram/Wiring List; Distribution

### *Professional Engineering Services*

Frame/terminal Block Data; and AC Power Distribution, Outside Plant Manhole/Conduit Layout, Outside Plant Cable Layout, and Manhole Butterfly Layout.

Examples of site surveys we have performed and installation design plans we have developed include the Navy base in San Diego and the relocation of the NAVCOMTELSTA ANCC/Tech Control from Stockton to San Diego.

## **871-4 TEST AND EVALUATION**

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

### *Example of General Scientific’s Capability:*

For the Space and Naval Warfare Command (SPAWAR), GSC performs system testing with the end-user’s technical representative as part of final acceptance. Hardware, firmware, and software testing is conducted to demonstrate acceptability of the installation for its intended use, and to ensure that the system operates at or above its intended design criteria. Additionally, GSC demonstrates standalone operation, manual intervention, and troubleshooting procedures. GSC recently performed system operation and verification testing and provided training for tactical video teleconferencing aboard various Navy Pacific Fleet assets.

## **871-5 INTEGRATED LOGISTICS SUPPORT**

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

*Example of General Scientific's Capability:*

For the Navy's Space and Naval Warfare Command (SPAWAR), General Scientific provides logistics and supply support ranging from configuration management and documentation to equipment procurement, acquisition management, and expediting functions. We coordinate with equipment vendors to provide timely ordering and delivery of equipment to meet the customer's timelines. When necessary, General Scientific reviews user-procured equipment lists to ensure compatibility with system design and integration.

For the Navy's Naval Sea Systems Command (NAVSEA), General Scientific's engineers, logisticians, and analysts provide technical analysis, program evaluation, and logistics management for the Office of Airborne Mine Countermeasures (OAMCM) and in-service systems. Our staff members develop/review required acquisition documentation such as Acquisition Plans and Strategies. General Scientific's personnel draft, analyze, integrate, review and provide documentation, information and recommendations to support the individual Integrated Process Teams (IPTs). We provide support for Program Reviews, conferences, briefings and other meetings.

**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.

*Example of General Scientific's Capability:*

General Scientific's staff provide program management support for Aviation Safety, Aircraft Inventory and Tactical Networks within the Naval and Marine Corps Aviation Community for the Deputy Chief of Naval Operations (N6/N7 for Warfare Requirements and Programs). General Scientific is tasked to provide highly skilled, senior staff members with strong backgrounds in aviation systems asset management and inventory control for a wide variety of aircraft types in the Navy/Marine Corps inventory for survey and disposal. Specific functional areas of N783C that General Scientific's staff provide program management support for requirements generation include: Common Avionics Systems; Networking Systems; Aircraft Safety Systems; Mission Planning Systems; Aircrew Survivability Equipment; and Chemical, Biological and Radiological Defense

General Scientific's staff actions within each functional area include: Coordination with fleet users to ensure proper development and staffing of requirements documents; Coordination with the respective program offices; Ensuring Navy compliance with all joint-staffing requirements; and Prepare/Brief Director Air Warfare Program Requirements Review (PRR).

In addition, General Scientific provides managerial oversight of the Naval aircraft inventory. Specific inventory management

functions include: Development of budget documents to depict future aviation force structure and the allocation of available inventory; Coordination with fleet type commanders to ensure the equitable distribution of aviation assets; Provision of forecasts of aircraft inventory levels for Navy, Marine Corps and other Department of Defense customers; and Analysis of current and historical aircraft inventory data, to include age, flight hours, utilization rates and attrition rates to support the Navy's Planning Programming, Budgeting and Execution (PPBE) process.

Additional tasks include: Oversight of OPNAV enterprise databases used to track current and historical aircraft inventory data; Service as the Navy's official source of aircraft inventory information; Management of aircraft in the inactive inventory, including force level assurance and war reserve storage;. Service as chairman of the Chief of Naval Operations (CNO) Semi-Annual Aircraft Strike Board.; and Authoring, editing, and updating, as applicable, CNO Instructions that direct management of the Naval aircraft inventory.

General Scientific staff also act as the requirements officer for Navy and Marine Corps aircraft safety systems. Specific functions include: Preparation of the annual Program Objectives Memorandum (POM)/Program Review (PR); Presentation of the POM/PR to the flag level leadership in the air warfare division; Preparation of impact statements in response to congressional, OSD, SECNAV, and OPNAV inquiries; Coordination with NAVAIR on planning, programming and budget issues; Providing input on Navy safety programs to the Defense Safety Oversight Council; Review of platform requirements documents for compliance with CNO safety policy; and Maintenance of the safety report card showing funding status of safety systems on all naval aviation T/M/S aircraft

## **ENGINEERING TASKING**

The following non-inclusive list represents a sampling of the types of engineering task orders that can be placed against this contract:

- Acquisition and Life Cycle Management
- Analysis of Program Goals, Mission, Objectives, and 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
- Earned Value Management Systems (EVMS)
- Economic/Business Case Analysis
- Economic Impact Evaluations
- Education/Training
- Environmental Control (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 of Hardware and Software Systems)
- Source Data Validation (Existing Hardware and Software Systems)
- Special Projects and Studies
- Statistical Analysis
- Support Services
- Systems Engineering Database Development, Maintenance, and Analysis
- Technical Analysis
- Technical and Management Support
- Technical Writing/Editorial Support
- T&E (Test and Evaluation) of Products and Systems

## LABOR CATEGORY DESCRIPTIONS

### **Job Title: Management III**

**Experience:** A senior management position requiring twenty (20) years' experience in one or more technical and support disciplines. Responsible for the overall all direction and success of multiple programs involved in disciplines including, but not limited to,

**Degree:** Requires a bachelor's degree, masters degree or doctor's degree in a related field.

**Training:** : If no degree, requires twenty-five (25) years directly related experience with formal training in a related technical discipline and in management and leadership principles.

### **Job Title: Management II**

**Experience:** A mid-level management position requiring fifteen (15) years' experience in one or more related technical and support disciplines. Responsible for the control and success of one or more programs involved in disciplines involving engineering and technical services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and evaluation, electronic equipment installation, field engineering services, or aviation services.

**Degree:** Requires a bachelor's degree, a master's degree, or doctor's degree in a related field.

**Training:** If no degree, requires eighteen (18) years directly related experience with formal training in a related technical discipline and related technical discipline and in management and leadership principles.

### **Job Title: Management I**

engineering and technical support services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and in management and leadership principles. evaluation, electronic equipment installation, field engineering services, or aviation services

**Experience:** A first-line management position requiring ten (10) years' experience in one or more related technical and support disciplines. Responsible for the control and success of a project involved in disciplines including, but not limited to, engineering and technical services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and evaluation, electronic equipment installation, field engineering services, or aviation services.

**Degree:** Requires a bachelor's degree or master's degree in a related field.

**Training:** If no degree, requires fourteen (14) years of directly related experience with formal training in a related technical discipline and in management principles.

### **Job Title: Engineer III**

**Experience:** A senior engineering position requiring twelve (12) years experience in the execution of the technical content of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** Requires a bachelor's degree in engineering or a related field.

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**Training:** If no degree, fifteen (15) years directly related work experience in a technical field with formal related training seminars, coursework, or certification.

**Job Title: Engineer II**

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**Experience:** A mid-level engineering position requiring seven (7) years work experience in execution of portions of the technical content of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** Requires a bachelor's degree in engineering or a related field.

**Training:** If no degree, ten (10) years directly related work experience in a technical field with formal related training seminars, coursework, or certification.

**Job Title: Engineer I**

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**Experience:** A first or second level engineering position requiring 0 to six (6) years experience performing engineering tasks in support of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** Requires a bachelor's degree in engineering or a related field.

**Training:** If no degree, six (6) years' experience in a technical field with formal related training seminars, coursework, or certification.

**Job Title: Systems Engineer III**

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**Experience:** A senior engineering position requiring fifteen (15) years experience, and

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has lead responsibility for the design, engineering, integration, and analysis of complex electronic and computer systems.

**Degree:** Requires a bachelors or master's degree in engineering or a related technical field.

**Training:** If no degree requires twenty (20) years' experience with formal training acquired through seminars, workshops, and coursework.

**Job Title: Systems Engineer II**

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**Experience:** A mid-level engineering position requiring ten (10) years experience with associate responsibilities in the design, engineering, integration, and analysis of complex electronic and computer systems.

**Degree:** Requires a bachelors or master's degree in engineering or a related technical field.

**Training:** If no degree requires eighteen (15) years' systems engineering experience with formal training acquired through seminars, workshops, and coursework.

**Job Title: Systems Engineer I**

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**Experience:** An engineering position requiring seven (7) years experience supporting Systems Engineer II and III levels with the design, engineering, integration, or analysis of electronic and computer subsystems.

**Degree:** Requires a bachelor's degree in engineering or a related field.

**Training:** If no degree requires twelve (12) years engineering experience with formal training acquired through seminars, workshops, and coursework.

**Job Title: Analyst III**

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**Experience:** A senior level non-engineering position requiring ten (10) years related experience to be responsible for the execution of the analysis content of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** Requires a bachelor's degree in a related field.

**Training:** If no degree requires twelve (12) years directly related experience and the completion of formal coursework and/or seminars.

**Job Title: Analyst II**

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**Experience:** A mid-level non-engineering position requiring five (5) years experience to support the analysis content of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** Requires a bachelor's degree in a related field.

**Training:** If no degree requires eight (8) years directly related experience and the completion of formal coursework and/or seminars.

**Job Title: Analyst I**

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**Experience:** A first or second level non-engineering position requiring 0 to four (4) years experience, under the supervision of an Analyst II or III, to perform assigned analysis of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

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**Degree:** Requires a bachelor's degree in a related field.

**Training:** If no degree requires five (5) years directly related experience and the completion of formal coursework and/or seminars.

**Job Title: Technician III**

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**Experience:** A senior level technical position requiring eight (8) years' experience. Responsible to a lead engineer or other designate for providing required technical support to programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** No formal degree is required.

**Training:** Requires a training certification from a technical, military, or vocational institution, or ten (10) years directly related experience with on-the-job training and technical coursework.

**Job Title: Technician II**

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**Experience:** A mid-level technical position requiring four (4) years experience. Responsible to and under the supervision of a Technician III for providing required technical support to programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** No formal degree is required.

**Training:** Requires a training certification from a technical, military, or vocational institution, or five (5) years directly related experience and on-the-job training or technical coursework.

**Job Title: Technician I**

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**Experience:** A first or second level technical position requiring one (1) to three (3) years' experience.

Responsible to and working under the close supervision of a Technician III or II, to provide required technical support to programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, information technology, test and evaluation, and software development.

**Degree:** No formal degree is required.

**Training:** Requires a training certification from a technical, military, or vocational institution, or four (4) years direct related experience and on-the-job training or formal technical coursework.

**Job Title: Administrative III**

**Experience:** A senior level administrative position requiring 0 to three (3) years work experience, performing activities and actions for programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and evaluation, electronic equipment installation, field engineering services, or aviation services.

**Degree:** Requires a bachelor's degree in a related field.

**Training:** If no degree requires seven (7) years equivalent work experience as an Administrative Assistant. Requires formal or on-the-job training in word processing, spreadsheets, database systems or related applications in the performance of the above disciplines.

**Job Title: Administrative II**

**Experience:** A mid-level administrative position requiring five (5) years experience,

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responsible to and under the general supervision of an Administrative III, for the performance of administrative tasks in support of programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and evaluation, electronic equipment installation, field engineering services, or aviation services.

**Degree:** No formal degree is required.

**Training:** Requires experience in an office environment and a working knowledge of word processing and other applications to support the above disciplines.

**Job Title: Administrative I**

**Experience:** A first or second level administrative position requiring 0 to 4 years experience.

Responsible to and under the close supervision of an Administrative II or III, for performing administrative tasks and actions for programs involved in disciplines including, but not limited to, engineering and technical support services, logistics, life cycle cost analysis, financial services, cost analysis, hardware acquisition management, information technology, test and evaluation, electronic equipment installation, field engineering services, or aviation services.

**Degree:** No formal degree is required.

**Training:** Requires in depth knowledge and skills of various computer applications through formal training or on-the-job training, to support the above disciplines.

## LABOR CATEGORY RATES

<b>Labor Category</b>	<b>7/21/05 – 4/30/06</b>	<b>5/1/06 – 4/30/07</b>	<b>5/1/07 – 4/30/08</b>	<b>5/1/08 – 4/30/09</b>	<b>5/1/09- 4/30/10</b>
MANAGEMENT III	106.27	109.89	113.62	117.49	121.48
MANAGEMENT II	85.21	88.11	91.11	94.20	97.41
MANAGEMENT I	74.06	76.58	79.19	81.88	84.66
ENGINEER III	103.09	106.59	110.22	113.96	117.84
ENGINEER II	72.70	75.17	77.73	80.37	83.11
ENGINEER I	67.78	70.09	72.47	74.93	77.48
SYSTEMS ENGINEER III	103.94	107.48	111.13	114.91	118.82
SYSTEMS ENGINEER II	95.89	99.15	102.52	106.01	109.61
SYSTEMS ENGINEER I	89.33	92.37	95.51	98.75	102.11
ANALYST III	78.33	81.00	83.75	86.60	89.54
ANALYST II	70.59	72.99	75.47	78.04	80.69
ANALYST I	61.90	64.01	66.19	68.44	70.76
TECHNICIAN III	69.56	71.92	74.37	76.90	79.51
TECHNICIAN II	61.66	63.75	65.92	68.16	70.48
TECHNICIAN I	45.64	47.19	48.80	50.45	52.17
ADMINISTRATIVE III	50.50	52.21	53.99	55.82	57.72
ADMINISTRATIVE II	44.22	45.72	47.27	48.44	50.54
ADMINISTRATIVE I	31.71	32.78	33.90	35.05	36.24

**NOTE:** Labor category rates reflect the 3.4% annual escalation rate included in General Scientific's contract.