

GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST
PROFESSIONAL ENGINEERING SERVICES (PES)
FSC GROUP 87; FSC CLASS 871

Special Item No. 871-1	Strategic Planning for Technology Programs/Activities
Special Item No. 871-2	Concept Development and Requirements Analysis
Special Item No. 871-3	System Design, Engineering and Integration
Special Item No. 871-4	Test and Evaluation
Special Item No. 871-5	Integrated Logistics Support
Special Item No. 871-6	Acquisition and Life Cycle Management

Primary Engineering Disciplines: Electrical and Mechanical for all Special Item Numbers



National Technologies Associates, Inc.
6601 Little River Turnpike, Suite 215
Alexandria, VA 22312
Phone: (703) 941-3695
Fax: (703) 941-3698

Internet Address www.nta-online.com/

Business Size: Small

Contract Number: GS-23F-0149K

Period Covered by Contract: March 16, 2005 to March 15, 2010

Pricelist current through Modification # PO-0005, dated 08/18/05.

For more information on ordering from Federal Supply Schedule click on the FSS Schedule button at fss.gsa.gov
On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!™ a menu driven database system. The Internet address for GSA Advantage!™ is <http://www.gsaadvantage.gov/>.

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Pricelist Dated 30 March 2001 - Administrative changes for updated clauses and company information.

Modification #PO03; Dated 19 October 2001 – Incorporates revision of Labor Categories.

Pricelist dated 30 December 2003 incorporates required GSA IFF changes under FX-03, and reflects changes through Refresh#5, Amendment #3.

Pricelist dated 18 August 2005, Incorporates Awarded First 5 Year Option, under PO-0005 dated 8/18/05.

NATIONAL TECHNOLOGIES ASSOCIATES, INC.

National Technologies Associates, Inc. (NTA) is a high technology engineering and professional services firm. Founded in 1981, NTA has over 18 years of experience in successfully managing complex engineering requirements -- requirements similar to those contained in the solicitation's Statement of Work. An abbreviated list of NTA engineering support customers is provided in the table below.

Federal Government	Industry
<i>Naval Air Systems Command</i>	<i>Teledyne</i>
<i>Naval Aviation Depot, Jacksonville</i>	<i>General Atomic Aeronautics</i>
<i>Naval Aviation Depot, North Island</i>	
<i>Defense Intelligence Agency</i>	
<i>National Institutes of Health</i>	
<i>Naval Sea Systems Command</i>	

NTA's focus is on helping clients design, acquire, operate, and maintain complex systems as efficiently as possible. We offer a total system life cycle management support capability. NTA employs over 300 engineering and technical support professionals providing high quality engineering products and services in the following system life cycle management areas:

- ✓ **Research, Development, Test and Evaluation**
- ✓ **Systems Engineering**
- ✓ **Production Engineering**
- ✓ **Acquisition/Program Management Support**
- ✓ **Integrated Logistics Support**
- ✓ **Information Technology**

NTA is headquartered in Alexandria, Virginia and has additional offices in San Diego, California; Lexington Park, Maryland; Indian Head, Maryland; Jacksonville, Florida; Cherry Point, North Carolina; and Lakehurst, New Jersey. The offices include spacious conference rooms, available for customer use, and are linked on NTA's intranet network, a network that offers our customers and employees extensive communication and conferencing support capabilities.

Approximately one half of NTA's professional staff have undergraduate degrees in either an engineering or contract specific discipline. Many of our professionals have security clearances. This education and background, coupled with NTA's extensive experience in managing complex engineering requirements, produces high quality, value based engineering services. Guaranteed.

As evidence of our dedication to fulfilling the needs of our customers, NTA provides a written warranty on all products. We believe that our pledge, to stand behind our products, is the strongest testimony to the quality of our engineering services. This warranty, included in our corporate brochure, will be included in all orders issued against the Schedule Contract. NTA is proposing to provide guaranteed Professional Engineering Services in six of the Special Item Number (SIN) areas contained in Section B of the solicitation. The SIN areas are as follows:

Special Item Number	Title
871-1	STRATEGIC PLANNING FOR TECHNOLOGY
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

NTA, INC. PROFESSIONAL ENGINEERING SERVICES (PES)

National Technologies Associates, Inc., provides integration of existing and emerging engineering technologies to provide solutions to our client’s immediate and future requirements. NTA, Inc.’s PES services and system integration efforts help to improve and optimize our customers processes, staff and hardware utilization. The following services are offered by NTA, Inc:

<i>Services Offered</i>	<i>Description</i>
<i>Maintenance Engineering</i>	Evaluate weapon system ILS requirements and the correlation to current maintenance concepts of the specified systems. Provide reports depicting the current logistics support concept and how it relates to operational objectives. Identify, review, analyze and recommend maintainability characteristics for new or evolving technology. Recommend changes in the maintainability characteristics of aircraft systems and equipment, as a result of new technology, which will provide optimum maintenance efficiency and effectiveness. Develop or evaluate alternative weapon system/equipment design and logistics support documentation to assess system compatibility relative to hardware characteristics and ILS requirements. Assess or develop support system trade-off studies analysis which factor optimum cost effectiveness, schedule, readiness and sustainability. Provide risk factors to each potential alternative by logistics element and the corresponding impact to program resources.
<i>Systems Engineering</i>	Identify deficient support areas and make recommendations to improve the overall effectiveness of current maintenance concepts and Logistics Support Systems. Review and analyze Engineering Change Proposals (ECPs) to assess the corresponding impact to system support concepts by each applicable logistics element. Provide recommended implementing schedules that coincide with planned procurement, lead times for development, kit installation schedules and fleet deployment requirements. Conducting systems engineering studies for systems integration. Analyze high failure rate components. Provide recommendations for alternative support concepts to improve maintenance work-loading and supportability. Review and assess logistics delay time as it relates to the Reliability Centered Maintenance (RCM) concept
<i>Logistics Engineering</i>	Evaluate weapon system program planning documentation and milestone objectives. Assess ILS support provided by specific activities and the logical interrelationships and interdependencies of all activities. Recommend objectives and schedules of specific activities and resources required to facilitate program goals. Provide recommendations for the development or update of appropriate ILS documentation addressing all applicable logistics elements - reliability/availability/operational readiness, configuration control and support concepts - utilizing organic, contractor or combined organic/contractor support concepts. Preparing technical input for Configuration Control Board (CCB) directives; Developing, reviewing and updating Provisioning Technical Documentation (PTD).

<i>Services Offered</i>	<i>Description</i>
<i>Test and Evaluation Engineering</i>	Developing Flight Test Plans and evaluating flight test data. Analyzing system performance deficiencies and evaluating the performance of potential resolutions. Flight Test engineering support including Flutter Test, Loads Test, Flight Controls, Performance, Aircraft Carrier Suitability, Propulsion Systems, and shipboard Flight Test support. Develop Flight Test Plans and participate in total flight test evaluation, developing and executing functional checks, collecting and collating all reports and plans; Preparing a final report detailing the results of the prototype alteration installation.
<i>Production Engineering</i>	Performance of all aspects of Manufacturing and Repair capability and capacity assessments to insure that vendors and the repair facility can meet the component supply demands and the critical impact on the Operational Availability of a Weapon System. Providing engineering and technical support to conduct operations research or operations analysis to determine the most advantageous routing sequencing of depot level maintenance tasks including In-shop processes of components/weapon systems, to initially determine the most efficient utilization of existing plant facilities and equipment. Perform productivity analysis of depot operations; perform random sampling of employee activity to document task time percentages.
<i>Life Cycle Cost Modeling</i>	Prioritize systems; Budget support and identify potential future costs associated with the system; Identify cost drivers/risk areas; Perform trade-off analyses; Consider present worth or future worth based on a series of variables.
<i>Training Systems and Training Course Development</i>	Provide training systems engineering analysis from developmental stages through qualification (validation/verification), and in-service modification in order to provide the optimal total training system1. Conduct design, development, refinement, performance and reliability studies. Determine effects of proposed design changes on each particular system via Engineering Change Proposals (ECPs), Request for Waiver (RFWs), and Requests for Deviation (RFDs). Perform cost and production trade-off studies on Product Improvement Program (PIP) candidate materials. Design, develop, evaluate, test and analyze instructional systems. Perform analysis, evaluation and testing necessary to validate/verify training systems design IAW system specification or requirement. Design, development, evaluation, and analysis of training objectives, training syllabi, curriculum outlines, instructors' and trainers' guides, quality control plans, lesson specifications, courseware, storyboards and/or scripts, flowcharts, Interactive Courseware (ICW), trainee objectives, instructional strategies, media selection justification, testing and debugging, media selection models, simulator functional descriptions, engineering specifications, and military characteristics.

NATIONAL TECHNOLOGIES ASSOCIATES, INC. PES SPECIAL ITEM NUMBER DESCRIPTIONS
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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.

871-2 CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS

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

871-3 SYSTEM DESIGN, ENGINEERING AND INTEGRATION

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

871-4 TEST AND EVALUATION

Services required under this SIN 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.

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.

871-6 ACQUISITION AND LIFE CYCLE MANAGEMENT

Services required under this SIN involve all of the planning, budgetary, contract and systems/program management execution functions required to procure and/or produce, render operational and provide life cycle support (maintenance, repair, supplies, engineering specific logistics) to technology-based systems, activities, subsystems, projects, etc. Typical associated tasks include, but are not limited to operation and maintenance, program/project management, technology transfer/insertion, training, privatization and outsourcing.

CUSTOMER INFORMATION

FSS SIN(s): 871-1, 871-2, 871-3, 871-4, 871-5, & 871-6
Contract Number: GS-23F-0149K
Contract Period: March 16, 2005 to March 15, 2010
Contractor's Name: National Technologies Associates, Inc.
Contractor's Address: 6601 Little River Turnpike, Suite 215
 Alexandria, VA 22312

Phone Number: (703) 941-3695
Business Size: Large Business
Data Universal Numbering System (DUNS): 13-228-1031
Type of Contractor: C. Large Business
Woman Owned Small Business: No
Contractor's Taxpayer Identification Number (TIN): 54-1169829
CAGE Code: 8V131

1a. Table of Awarded Special Item Numbers (SINS) for this Contract:

SIN	DESCRIPTION
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*

- 1b. Lowest Priced Model Number and Lowest Unit Price:** See page 15
- 1c. See Page 15 for Labor Category Rates and Descriptions.**
- 2. Maximum Order Limitation:** Orders may exceed this amount, however the ordering agency may seek a price reduction above this threshold. a. All SIN(s) 871-1 to 871-6: is \$750,000 per order.
- 3. Minimum Order:** \$ 100.00
- 4. Geographic Scope of Contract:**
 The geographic scope of this contract is the 48 contiguous states, the District of Columbia, Alaska, Hawaii and Puerto Rico and overseas locations.
Worldwide or Overseas locations are subject to negotiation, utilizing GSA schedule rates as base rates to negotiate a premium to compensate employees for entering "High Risk" duty areas or countries. All logistics and support issues will be negotiated with the Ordering Agency.
- 5. Points of Production:** See page 29 of this Pricelist
- 6. All prices listed reflect the net price for those services.**
- 7. Quantity Discounts:** None
- 8. Prompt Payment Terms:** Net 30 Days
- 9a. Government Purchase Cards:** NTA, Inc. will accept the Government Commercial Credit Card up to the micropurchase threshold, with no additional discount.
- 9b. Government Purchase Cards:** NTA, Inc. will accept the Government Commercial Credit Card above the micropurchase threshold.
- 10. Foreign Items:** Not applicable to services.
- 11a. Time of Delivery:** Not applicable to services.
- 11a. Time of Delivery:** As negotiated between NTA, Inc. and the ordering agency.
- 11b. Expedited Delivery:** As negotiated between NTA, Inc. and the ordering agency.
- 11c. Overnight & 2-Day Delivery:** As negotiated between NTA, Inc. and the ordering agency.

- 11d. **Urgent Requirements:** As negotiated between NTA, Inc. and the ordering agency.
12. **F.O.B. Point(s):** Not applicable to services.
- 13a. **Contractor's Ordering Address:** National Technologies Associates, Inc.
6601 Little River Turnpike, Suite 215
Alexandria, VA 22312
Attention: Alex Abramidis
(703) 941-3695 Ext. 11
(703) 941-3698 Fax
- 13b. **Ordering Procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's), and a sample BPA can be found at the GSA/FSS Schedule homepage (fss.gsa.gov/schedules).
14. **Contractor's Payment Address:** National Technologies Associates, Inc.
6601 Little River Turnpike, Suite 215
Alexandria, VA 22312
Attention: Alex Abramidis
(703) 941-3695 Ext. 11
(703) 941-3698 Fax
15. **Warranty Provision:** Not applicable to services.
16. **Export Packing Charges:** Not applicable to services.
17. **Terms and Conditions of Government Purchase Card Acceptance:** Applicable and determined on a case-by case basis.
18. **Terms and Conditions of Rental, Maintenance and Repair :** None
19. **Terms and Conditions of Installation:** None
20. **Terms and Conditions of Repair Parts:** None
- 20a. **Terms and Conditions for any other services:** None
21. **List of Service and Distribution Points:** See page 29 of this pricelist.
22. **List of Participating Dealers:** None.
23. **Preventative Maintenance:** Not applicable to services.
- 24a. **Environmental Attributes:** None applicable.
- 24b. **Section 508 Compliance Information:** Not Applicable to Services
25. **Data Universal Numbering System (DUNS):** 13-228-1031
26. **NTA, Inc. is registered with the Central Contractor Registration (CCR) Database.**

ORDERING PROCEDURES FOR SERVICES

ORDERING PROCEDURES FOR SERVICES (REQUIRING A STATEMENT OF WORK)

FAR 8.402 contemplates that GSA may occasionally find it necessary to establish special ordering procedures for individual Federal Supply Schedules or for some Special Item Numbers (SINs) within a Schedule. GSA has established special ordering procedures for services that require a Statement of Work. These special ordering procedures take precedence over the procedures in FAR 8.404 (b)(2) through (b)(3).

When ordering services over \$100,000, Department of Defense (DOD) ordering offices and non-DOD agencies placing orders on behalf of DOD must follow the policies and procedures in the Defense Federal Acquisition Regulation Supplement (DFARS) 208.404-70 ? Additional ordering procedures for services. When DFARS 208.404-70 is applicable and there is a conflict between the ordering procedures contained in this clause and the additional ordering procedures for services in DFARS 208.404-70, the DFARS procedures take precedence.

GSA has determined that the prices for services contained in the contractor's price list applicable to this Schedule are fair and reasonable. However, the ordering office using this contract is responsible for considering the level of effort and mix of labor proposed to perform a specific task being ordered and for making a determination that the total firm-fixed price or ceiling price is fair and reasonable.

(a) When ordering services, ordering offices shall?

- (1) Prepare a Request (Request for Quote or other communication tool):
 - (i) A statement of work (a performance-based statement of work is preferred) that outlines, at a minimum, the work to be performed, location of work, period of performance, deliverable schedule, applicable standards, acceptance criteria, and any special requirements (i.e., security clearances, travel, special knowledge, etc.) should be prepared.
 - (ii) The request should include the statement of work and request the contractors to submit either a firm-fixed price or a ceiling price to provide the services outlined in the statement of work. A firm-fixed price order shall be requested, unless the ordering office makes a determination that it is not possible at the time of placing the order to estimate accurately the extent or duration of the work or to anticipate cost with any reasonable degree of confidence. When such a determination is made, a labor hour or time-and-materials quote may be requested. The firm-fixed price shall be based on the prices in the schedule contract and shall consider the mix of labor categories and level of effort required to perform the services described in the statement of work. The firm-fixed price of the order should also include any travel costs or other direct charges related to performance of the services ordered, unless the order provides for reimbursement of travel costs at the rates provided in the Federal Travel or Joint Travel Regulations. A ceiling price must be established for labor-hour and time-and-materials orders.
 - (iii) The request may ask the contractors, if necessary or appropriate, to submit a project plan for performing the task, and information on the contractor's experience and/or past performance performing similar tasks.
 - (iv) The request shall notify the contractors what basis will be used for selecting the contractor to receive the order. The notice shall include the basis for determining whether the contractors are technically qualified and provide an explanation regarding the intended use of any experience and/or past performance information in determining technical qualification of responses.

(2) Transmit the Request to Contractors:

Based upon an initial evaluation of catalogs and price lists, the ordering office should identify the contractors that appear to offer the best value (considering the scope of services offered, pricing and other factors such as contractors' locations, as appropriate) and transmit the request as follows:

- (i) The request shall be provided to at least three (3) contractors if the proposed order is estimated to exceed the micro-purchase threshold, but not exceed the maximum order threshold.
- (ii) For proposed orders exceeding the maximum order threshold, the request shall be provided to an appropriate number of additional contractors that offer services that will meet the agency's needs.
- (iii) In addition, the request shall be provided to any contractor who specifically requests a copy of the request for the proposed order.
- (iv) Ordering offices should strive to minimize the contractors' costs associated with responding to requests for quotes for specific orders. Requests should be tailored to the minimum level necessary for adequate evaluation and selection for order placement. Oral presentations should be considered, when possible.

(3) Evaluate Responses and Select the Contractor to Receive the Order:

After responses have been evaluated against the factors identified in the request, the order should be placed with the schedule contractor that represents the best value. (See FAR 8.404)

(b) The establishment of Federal Supply Schedule Blanket Purchase Agreements (BPAs) for recurring services is permitted when the procedures outlined herein are followed. All BPAs for services must define the services that may be ordered under the BPA, along with delivery or performance time frames, billing procedures, etc. The potential volume of orders under BPAs, regardless of the size of individual orders, may offer the ordering office the opportunity to secure volume discounts. When establishing BPAs, ordering offices shall?

- (1) Inform contractors in the request (based on the agency's requirement) if a single BPA or multiple BPAs will be established, and indicate the basis that will be used for selecting the contractors to be awarded the BPAs.
 - (i) **SINGLE BPA:** Generally, a single BPA should be established when the ordering office can define the tasks to be ordered under the BPA and establish a firm-fixed price or ceiling price for individual tasks or services to be ordered. When this occurs, authorized users may place the order directly under the established BPA when the need for service arises. The schedule contractor that represents the best value should be awarded the BPA. (See FAR 8.404)
 - (ii) **MULTIPLE BPAs:** When the ordering office determines multiple BPAs are needed to meet its requirements, the ordering office should determine which contractors can meet any technical qualifications before establishing the BPAs. When establishing multiple BPAs, the procedures in (a)(2) above must be followed. The procedures at (a)(2) do not apply to orders issued under multiple BPAs. Authorized users must transmit the request for quote for an order to all BPA holders and then place the order with the BPA holder that represents the best value.

- (2) Review BPAs Periodically: Such reviews shall be conducted at least annually. The purpose of the review is to determine whether the BPA still represents the best value. (See FAR 8.404)
- (c) The ordering office should give preference to small business concerns when two or more contractors can provide the services at the same firm-fixed price or ceiling price.
- (d) When the ordering office's requirement involves both products as well as executive, administrative and/or professional, services, the ordering office should total the prices for the products and the firm-fixed price for the services and select the contractor that represents the best value. (See FAR 8.404)
- (e) The ordering office, at a minimum, should document orders by identifying the contractor from which the services were purchased, the services purchased, and the amount paid. If other than a firm-fixed price order is placed, such documentation should include the basis for the determination to use a labor-hour or time-and-materials order. For agency requirements in excess of the micro-purchase threshold, the order file should document the evaluation of Schedule contractors' quotes that formed the basis for the selection of the contractor that received the order and the rationale for any trade-offs made in making the selection.

PROCEDURES FOR FIXED PRICES ON GSA SCHEDULE

The ordering procedures set forth at [FAR 8.404](#) should be used for those services based on fixed prices. The Contractor is advised that based on the specific task identified at the task order level, it may use Clause 552.238-75, Price Reduction, to provide a proposed fixed price to the agency to more accurately reflect the actual work required.

SPECIAL PROVISIONS FOR TASK ORDERS

Agencies may incorporate provisions in their task order that are essential to their requirements (e.g., security clearances, hazardous substances, special handling, key personnel, etc.). These provisions, when required, will be included in individual task orders. Any cost necessary for the contractor to comply with the provision(s) will be included in the task order proposal, unless otherwise prohibited by law. Contractors are strongly encouraged to price all items in the contract, to the maximum extent practicable.

USA COMMITMENT TO PROMOTE SMALL BUSINESS PARTICIPATION PROCUREMENT PROGRAMS

PREAMBLE

National Technologies Associates, Inc. provides commercial products and services to the Federal Government. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.

To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.

To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.

To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.

To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.

To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in Federal Government contracts. To accelerate potential opportunities please contact Ray Smith at National Technologies Associates, Inc. (301) 863-6512, rsmith@NTALEX.com ; Fax (301) 862-1845.

BASIC GUIDELINES FOR USING “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. These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPA’s are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule contract. Participation in a Team Arrangement is limited to Federal Supply Schedule contractors.

Customers should refer to [FAR 9.6](#) for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule contractors may individually meet the customers needs, or -
- Federal Supply Schedule contracts may submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.

BEST VALUE BLANKET PURCHASE AGREEMENT FEDERAL SUPPLY SCHEDULE

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act

(Agency) and (Contractor) enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s)
_____.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the **Government that works better and costs less.**

Signatures

AGENCY

DATE

CONTRACTOR

DATE

BPA NUMBER _____

(CUSTOMER NAME)
BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s) _____, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (Ordering Agency):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER

***SPECIAL BPA DISCOUNT/PRICE**

(2) Delivery:

DESTINATION

DELIVERY SCHEDULE/DATES

(3) The Government estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

(4) This BPA does not obligate any funds.

(5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE

POINT OF CONTACT

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor;

(b) Contract Number;

(c) BPA Number;

(d) Model Number or National Stock Number (NSN);

(e) Task/Delivery Order Number;

(f) Date of Purchase;

(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and

(h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the task/delivery order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

LABOR CATEGORY DESCRIPTIONS

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES001	Program Manager (Level 3)	Fourteen years project related experience.	Bachelor's degree in an engineering, scientific, technical or business management discipline.	Performs day to day management of overall contract support activities. Directs project and technical support staff activities for systems engineering, systems acquisition, configuration control, test and evaluation or logistics disciplines. Supervises and directs program personnel in the areas of requirements integration, configuration control management, training systems, and logistics management for weapons systems and related support systems. Supervises project staff and technical team leaders. Conducts planning and management review of all high-level activities. Reviews and approves work and deliverables performed by contractor and subcontractor personnel.
NPES002	Program Manager (Level 2)	Ten years project related experience.	Bachelor's degree in an engineering, scientific, technical or business management discipline.	Performs day to day management of overall contract support activities. Directs project and technical support staff activities for systems engineering, systems acquisition, configuration control, test and evaluation or logistics disciplines. Supervises and directs program personnel in the areas of requirements integration, configuration control management, training systems, and logistics management for weapons systems and related support systems. Supervises project staff and technical team leaders. Conducts planning and management review of all high-level activities. Reviews and approves work and deliverables performed by contractor and subcontractor personnel.
NPES003	Program Manager (Level 1)	Eight years project related experience.	Bachelor's degree in a scientific, technical, business management, engineering, or applicable field.	Provides program/project and staff support activities for systems engineering, systems acquisition, configuration control, test and evaluation or logistics disciplines. Monitors and coordinates technical staff in analyzing technical information and system requirements to help achieve best technical solutions for systems, communications and COTS tools issues. Manages acquisition and employment of program/project resources. Supervises program/project staff and provides financial, schedule, and progress reporting. Provides technical coordination or team management of engineering development projects, services projects, systems maintenance, systems and component life cycle activities.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES004	Project Manager	Six years of recent project management experience. A Masters degree may be substituted for two years of experience.	Bachelors degree from an accredited college or university. Eight years of additional program management experience may be substituted for a Bachelors degree.	Coordinates project deliverables, ensuring completeness, accuracy and validity of data and system status. Supports technical coordination requirements, meetings and training issues for management, logistics, and systems configuration issues. Reviews project deliverables and documentation for completeness. Provides expertise and guidance in technical areas to support project tasking requirements. Supervises project staff and provides financial, schedule, and progress reporting. Provides onsite and offsite management activities for the project and corporate management staff, controlling costs and maximizing project personnel efficiency.
NPES005	Subject Matter Expert	Ten years project related experience.	Bachelors degree in Engineering, Mathematics, Science or specific subject matter related discipline from an accredited college or university. Associates degree and 4 additional years, no degree and 8 additional years of project related experience may be substituted for Bachelor's degree.	Performs as program management technical advisor and leads program management problem resolution. Reviews and prepares engineering technical analyses, reports proposals, and other technical documentation as required. Develops recommended program management procedures and controls, Plans of Action and Milestones (POA&M), Program Master Plans (PMP) and other documentation as required for unique tasks. Coordinates development and implementation of computerized decision support systems and architectures required as project management tools.
NPES006	Principal Engineer	Ten years or more of project related experience.	Bachelors (or higher) degree from an accredited college or university in an engineering, mathematics, physics, or specific subject matter discipline.	Independently applies engineering principles in performing work requiring application of specialized knowledge to weapons systems, subsystems, ordnance equipment or software related applications. Reviews engineering and technical analyses, and makes recommendations and changes based on subject matter knowledge and experience. Interfaces at all project levels, providing input to technical, engineering and management decisions in area of expertise. Performs engineering investigations, assessments, evaluations, review of system integration and conversion, technical support, and analysis for the project staff. Supports efforts related to new systems and technology concepts, design, test and evaluation and integration efforts.
NPES007	Design Engineer	Eight years project related	Bachelors degree from an accredited college or	Performs System Requirements Analyzes and Requirements Determination for new systems

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		experience.	university either in aeronautical, electronics, computer science, general engineering, or major field closely related to the subject matter.	and systems product improvements. Designs, develops, prototypes and tests new systems or system improvements. Reviews emerging technology for various system applications and enhancements and evaluates technology for possible implementation into existing program Coordinates and prepares engineering and technical analyses, reports, change proposals, and other technical documentation. Directs engineering support staff conducting systems requirements analyses, and provides design team input and workflow analysis for hardware and software engineering related tasks. Plans systems integration, configuration management, quality assurance testing or acquisition and resource management efforts.
NPES008	Engineer (Level 3)/ Senior Field Service Engineer	Eight years of project related experience.	Bachelors degree from an accredited college or university either in aeronautical, electronics, computer science, general engineering, or major field closely related to the subject matter.	<p>Analyzes, designs, develops, implements, tests and/or evaluates major systems, components and associated support systems. Coordinates and prepares engineering and technical analyses, reports, change proposals, and other technical documentation. Directs engineering support staff conducting systems requirements analyses, and provides design team input and workflow analysis for project engineering related tasks. Plans systems integration, configuration management, quality assurance testing or acquisition and resource management efforts. Acts as engineering team leader or supervisor, managing projects and leading technical problem resolution efforts.</p> <p style="text-align: center;">~OR~</p> <p>Responds to client requirements in the field pertaining to hardware and weapons/stores maintenance and troubleshooting. Provides guidance to the client to enhance efficiency of operations. Supervises and provides guidance to service engineers and technicians.</p>
NPES009	Engineer (Level 2)/ Field Service	Five years of project related experience.	Bachelors degree from an accredited college or university either in	Analyzes, designs, develops, implements, tests and/or evaluates major systems, components and associated support systems. Reviews and

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	Engineer	Including: One year of experience in development, test and evaluation of major systems.	aeronautical, electronics, computer science, general engineering, or major field closely related to the subject matter.	prepares engineering and technical analyses, reports, change proposals, and other technical documentation. Provides support for engineering staff conducting systems requirements analyses, and provides design team input and workflow analysis for project engineering related tasks. Supports systems integration efforts, configuration management, quality assurance testing or acquisition and resource management. ~OR~ Responds to client requirements pertaining to hardware and weapons/stores maintenance and troubleshooting.
NPES010	Engineer (Level 1)/ Junior Field Service Engineer	One year of project related experience.	Bachelors degree from an accredited college or university either in aeronautical, electronics, computer science, general engineering, or major field closely related to the subject matter.	Analyzes, designs, develops, implements, tests and/or evaluates major systems, components and associated support systems. Reviews and prepares engineering and technical analyses, reports, change proposals, and other technical documentation. Provides support for engineering staff conducting systems requirements analyses, and provides design team input and workflow analysis for project engineering related tasks. Supports systems integration efforts, configuration management, quality assurance testing or acquisition and resource management. ~OR~ Assists in responding to client requirements pertaining to hardware and weapons/stores maintenance and troubleshooting.
NPES011	Systems Engineer (Level 2)	Eight years of project related experience.	Bachelors degree from an accredited college or university in an engineering discipline.	Conducts investigations, analyzes, plans, designs, develops, implements, tests, and evaluates systems, facilities, hardware, weapons and associated support systems. Applies

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				<p>engineering expertise to perform functions such as systems integration, configuration management, quality assurance testing, or acquisition resource management. Analyzes, designs, develops, implements, tests, and evaluates engineering or functional requirements of project related hardware and associated support systems. Analyzes and prepares technical reports and documentation. Acts as systems engineering team leader or supervisor, as required. Develops engineering procedures and controls for managing project efforts, and assists in problem resolution.</p>
NPES012	Systems Engineer (Level 1)	Five years of project related experience.	Bachelors degree from an accredited college or university in an engineering discipline.	<p>Conducts investigations, analyzes, plans, designs, develops, implements, tests, and evaluates systems, facilities, hardware, weapons and associated support systems. Applies engineering expertise to perform functions such as systems integration, configuration management, quality assurance testing, or acquisition resource management. Analyzes, designs, develops, implements, tests, and evaluates engineering or functional requirements of project related hardware and associated support systems. Analyzes and prepares technical reports and documentation. Acts as systems engineering team leader or supervisor, as required. Develops engineering procedures and controls for managing project efforts, and assists in problem resolution.</p>
NPES013	Engineering Technician 3/Senior Maintenance Technician or	Eight years of project related experience.	High school diploma or equivalent, and completion of a technical school, trade school, or advanced	<p>Directs and leads technician teams to develop, design, modify, install, test, evaluate, or operate electrical, electronic, avionics, mechanical, communications, stores, armament/ordnance, systems or associated support equipment or</p>

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	Senior Material Technician		armed services technical school curriculum or course.	<p>facilities. Maintains, repairs, inspects, troubleshoots, or programs systems equipment or components. Reviews and analyzes engineering, technical or maintenance specifications, policies, standards, or procedures. Organizes, analyzes and prepares reports or presentations of technical data and information. Plans and performs tests and analyzes test data and results.</p> <p>~OR~</p> <p>Supervises personnel in maintenance of equipment. Tasks may include, but are not limited to, maintenance of aircraft airframes, avionics, electrical, engine, weapons/stores and fuel systems. Skilled in reading technical manuals and blueprint interpretation.</p> <p>~OR~</p> <p>Supervises personnel in warehouse management, issue and receiving material and weapons/stores. Provides recommendations for improvement of accounting and storage procedures and tracking flow of material and weapons/stores. Maintain client interface on material matters.</p>
NPES014	Engineering Technician 2/ Maintenance Technician or Material Technician	Four years of project related experience.	High school diploma or equivalent, or completion of a technical school, trade school, or advanced armed services technical school curriculum or course.	<p>Engineering technicians perform technical work in research, development, installation, test, design, or other engineering functions. Typical duties include testing engineering materials and equipment; performing calculations; setting up and operating laboratory equipment and instruments; preparing technical reports, plans specifications, estimates; and related work.</p> <p>~OR~</p> <p>Performs maintenance of various types of equipment. Tasks may include, but are not limited to, maintenance of aircraft airframes, avionics, electrical, engine, weapons/stores and fuel systems.</p> <p>~OR~</p> <p>Performs warehouse functions, inventory and maintain storage custody of material items and weapons/stores. Issue and receive material and weapons/stores as required. Inventory and issue change kits.</p>
NPES015	Engineering Technician 1/ Junior Maintenance Technician or Junior	Two years of project related experience.	High school diploma or equivalent, or completion of a technical school, trade school, or advanced armed services	Engineering technicians perform technical work in research, development, installation, test, design, or other engineering functions. Typical duties include testing engineering materials and equipment; performing calculations; setting up and operating laboratory equipment and

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
	Material Technician		technical school curriculum or course.	instruments; preparing technical reports, plans specifications, estimates; and related work. ~OR~ Assists in performing maintenance and clean-up of various types of equipment and weapons/stores. ~OR~ Assists in inventory and storage of material and weapons/stores items. Issue and receive material and weapons/stores as directed.
NPES016	Industrial Specialist	Twelve years of project related experience.	Bachelors degree in a business, management technical or project related discipline. Ten years of additional project related experience may be substituted for the degree requirement.	Applies various scientific and engineering factors which contribute to systems development. Analyzes and reports equipment, hardware and software production status and equipment conditions and deliveries to project staff. Monitors compliance with quality and production documentation, methods, and approved government and industry standards. Performs systems development and effectiveness evaluations. Independently assesses needs and develops programs and processes to meet those deficiencies.
NPES017	Industrial Assistant	Two years of project related experience.	High school diploma or equivalency certification.	Applies knowledge of industrial management, methods, and procedures in producing and maintaining documentation, correspondence, records, or directives. Assists in matters such as project/program progress and status documentation, property, accounting, or personnel management. Reviews, analyzes, develops, prepares and applies, technical or maintenance specifications, policies, standards, and procedures. Organizes, analyzes, and prepares reports or presentations of technical data and information. Compiles, processes, reduces, and analyzes test data and results.
NPES018	Management Analyst (Level 2)	Eight years of project related experience.	Bachelors degree in a business, management technical or project related discipline.	Advises senior management in areas of planning, policy development, work methods and procedures, manpower utilization, organizational structures and information management systems technologies. Analyzes and evaluates effectiveness of management controls and channels of communication.

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				Investigates team member functions and assesses against theoretical models of organizations and work flow. Performs job evaluation and position classification analyses as related to management practices and controls. Performs project concept evaluation and mission needs activities. Assists with acquisition management and related processes.
NPES019	Management Analyst (Level 1)	Two years of project related experience.	Bachelors degree in a business, management technical or project related discipline. Associates degree, and four years, or eight additional years of project related experience may be substituted for the bachelors degree requirement.	Analyzes management effectiveness in areas of planning, policy development, work methods and procedures, manpower utilization, organizational structures and information management systems technologies. Analyzes and evaluates effectiveness of management controls and channels of communication. Investigates team member functions and assesses against theoretical models of organizations and work flow. Performs job evaluation and position classification analyses as related to management practices and controls. Performs project concept evaluation and mission needs activities. Assists with acquisition management and related processes.
NPES020	Program Analyst (Level 3)	Twelve years of project related experience. A Masters degree may be substituted for two years of experience.	Bachelors degree required. Eight years of additional project related experience may be substituted for the degree requirement.	Applies analytical principles and techniques to independently define weapon system/equipment ILS requirements. Prepares project deliverables, ensuring completeness, accuracy and validity of data and system status. Provides resource information and expertise to determine support requirements solutions for systems, equipment and COTS issues. Assists Program Manager by providing onsite and offsite resource support team management activities for the project. Independently analyzes and defines related support systems ILS requirements. Analyzes logistics documentation and defines resource support requirements. Assists with development of system support plans and coordinates milestone activities with Program Manager, for the project staff.
NPES021	Program Analyst (Level 2)	Ten years experience in resource requirement analysis. A Masters degree may be substituted for	Bachelors degree required. Eight years of additional project related experience may be substituted for the degree requirement.	Applies analytical principles and techniques to independently define weapon system/equipment ILS requirements. Prepares project deliverables, ensuring completeness, accuracy and validity of data and system status. Provides resource information and expertise to determine support requirements solutions for systems, equipment and COTS issues. Assists Program Manager by

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
		two years of experience.		providing onsite and offsite resource support team management activities for the project. Independently analyzes and defines related support systems ILS requirements. Analyzes logistics documentation and defines resource support requirements.
NPES022	Program Analyst (Level 1)	Six years experience in resource requirement analysis. A Masters degree may be substituted for two years of experience.	Bachelors degree required. Eight years of additional project related experience may be substituted for the degree requirement.	Applies analytical principles and techniques to independently define weapon system/equipment ILS requirements. Prepares project deliverables, ensuring completeness, accuracy and validity of data and system status. Provides resource information on support requirements for systems, equipment and COTS issues. Independently analyzes and defines related support systems ILS requirements. Analyzes logistics documentation and defines resource support requirements.
NPES023	Logistician (Level 3)	Twelve years of project related experience. A Masters degree may be substituted for two years of experience.	Bachelors degree required. Designation as a Certified Professional Logistician (CPL) from the Society of Logistics Engineers (SOLE) plus eight years of experience in logistics support/maintenance engineering experience, may be substituted for the Bachelors degree and required experience. An additional fourteen years experience may be substituted for the Bachelors degree.	Performs independent work to provide logistic and support system effectiveness analysis, studies and evaluations. Develops systems, hardware, and software life cycle support plans and concepts, and monitors inventory and data management activities. Monitors systems operational deficiencies and engineering design changes. Manages design change configuration database, monitors COTS tools configuration and support, and provides information resources management efforts for automated tracking systems. Leads logistics management staff, and coordinates and reviews all logistics systems deliverables.
NPES024	Logistician (Level 2)	Eight years experience in logistic support/maintenance engineering. A Masters degree may be substituted for	Bachelors degree required. Designation as a Certified Professional Logistician (CPL) from the Society of Logistics Engineers (SOLE) plus eight years of experience in logistics	Performs independent work to provide logistic and support system effectiveness analysis, studies and evaluations. Develops systems, hardware, and software life cycle support plans and concepts, and monitors inventory and data management activities. Monitors systems operational deficiencies and engineering design changes. Manages design change configuration database, monitors COTS tools configuration

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
		two years of experience.	support/maintenance engineering may be substituted for the Bachelors degree and required experience. An additional fourteen years experience may be substituted for the Bachelors degree.	and support, and provides information resources management efforts for automated tracking systems. Leads logistics management staff, and coordinates and reviews all logistics systems deliverables.
NPES025	Logistician (Level 1)	Six years experience in logistic support/maintenance engineering. A Masters degree may be substituted for two years of experience.	Bachelors degree required. Designation as a Certified Professional Logistician (CPL) from the Society of Logistics Engineers (SOLE) plus eight years of experience in logistics support/maintenance engineering may be substituted for the Bachelors degree and required experience.	Performs independent work to provide logistic and support system effectiveness analysis, studies and evaluations. Develops systems, hardware, and software life cycle support plans and concepts, and monitors inventory and data management activities. Monitors and reports systems operational deficiencies and engineering design changes. Analyzes design change configuration database, monitors COTS tools configuration and support, and provides information resources management efforts for automated tracking systems.
NPES026	Technical Data Specialist	Two years of project related experience, including one year experience with technical data.	High school diploma or equivalent and successful completion of a technical, trade, undergraduate, or military school course of study in library science, technical library management, or technical data and information management-	Manages, maintains, and uses engineering and technical information databases, technical libraries, or data communications networks. Applies knowledge of government technical publications, directives, specifications, standards, and library indexing systems to enter, file, identify, locate, extract, and provide data for information related to military weapon systems engineering and technical efforts. May compile, analyze, research, and generate written materials for graphics concerning technical documentation. Performs research and analyses, and develops documents that meet the appropriate level security requirements for an organization or facility.
NPES027	Technical Writer/Editor	Two years of project related experience, including one year experience with technical writing/ editing functions.	High school diploma or equivalent.	Develops, drafts, revises, and edits reports, articles, manuals, specifications, presentation materials, and other technical documents. Uses rough outlines and resource materials, and interprets information obtained through research or provided by technical specialists. Applies knowledge of military documentation and format standards to prepare, edit and publish technical materials.

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NPES028	Technical Typist	One year clerical, secretarial, or office work experience. Types (50 WPM). Familiar with one or more standard office SW packages.	High school diploma or equivalent or two additional years of relevant work experience.	Performs documentation response tracking functions. Provides technical typing, word processing, proofreading and grammar context review, graphics presentations preparation, filing, reproduction documentation support and office equipment operation. Assists in updating and maintaining database support systems and files, and supports automated retrieval operations in support of staff requirements. Prepares maintains and preserves on file, technical or administrative documentation, data correspondence and records.
NPES029	Data Entry Clerk	One year of data entry, transcription, or word processing work experience.	High school diploma or equivalent or two additional years of relevant work experience.	Performs document production, retrieval and character line printing. Operates keyboard controlled data entry devices such as keypunch machines or key-operated magnetic tape or disk encoders to enter, transcribe or reproduce data and information into forms suitable for computer processing. Selects procedures to be followed in searching for, interpreting, selecting or coding items to be entered from source documents.
NPES030	Tech Assistant	Four years of project related experience.	High school diploma or equivalent.	Applies engineering techniques, principles and precedents to develop, design, and modify technical engineering or other professional material. Reviews, analyzes, develops, prepares or applies engineering, technical or maintenance specification, policies, standards, or procedure. Organizes, analyzes, and prepares reports or presentations of technical data and information. Compiles, processes, reduces or analyzes test data and results.
NPES031	Computer Specialist (Level 3)	Eight years of project related experience.	Masters degree in computer science, information systems management, mathematics, operations research, statistics, or engineering required. Substitution: Bachelors degree, any field, and eight additional years	Independently applies knowledge of computer science principles, information management principles, automated data processing functions, hardware and software systems structures and operation, and computer programming languages and techniques to solve engineering problems. Addresses scientific, engineering or business objectives by writing, modifying or adapting computer programs in machine level, assembly and third or fourth generation programming languages. Interfaces with and

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			of project related experience may be substituted for the masters degree requirement.	uses minicomputer and mainframe computer systems in addressing project objectives. Formulates architectural design, functional specifications, interfaces and documentation of hardware or software systems considering system interrelationships, operating modes and software or equipment configurations. Researches unconventional applications of software and operating systems in designing and developing new methodologies, significant modifications or adaptations of standardized techniques. Responsible for developing project plans, guidelines, and controls. May act as team or project leader, supervising and advising with respect to the work of other computer specialists, scientists, or technicians, and subcontractors.
NPES032	Information Technology Systems Engineer (Level 1)	Four years of project related experience: One year developing GUI-based applications, and one year developing RDBMS applications.	Bachelors degree in computer science, information systems, engineering, physics, or mathematics. Substitution: Bachelors degree, any field, and four additional years of project related experience may be substituted for the technical degree requirement.	Applies computer system engineering principals, to investigate, analyze, plan, design, develop, test, implement or evaluate scientific, engineering or business systems. Addresses scientific, engineering or business objectives by designing, writing, modifying or adapting front-end software using text-driven or graphical user interface (GUI) software such as PowerBuilder, Oracle Forms, etc. Interfaces with and uses, microcomputer, minicomputer and mainframe computer systems in a client-server environment in addressing project objectives. Identifies and uses standard, unconventional and original mathematical, algorithmic, and programmatic approaches to define, plan, organize, design, develop, modify, test, and integrate project related engineering systems databases or management information systems.
NPES033	Computer Programmer (Level 1)	Five years of project related experience.	Bachelors degree in computer science, mathematics, engineering or project related discipline.	Applies basic knowledge of computer science principles to program applications changes requested by engineering support staff. Utilizes third and fourth generation languages, and/or current GUI tools and equipment to analyze and develop program logic to support project related engineering, business, management, communication, tactical and technical problems. Sets up data runs and processing sequences, and reviews output for completeness and format.
NPES034	Senior Subject	Fifteen years of	Masters degree.	Coordination of department and multiple project

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	Matter Expert	project related experience.	A Bachelors degree and 4 years of additional project related experience may be substituted for the Masters degree.	activities including conducting and evaluating risk analysis information and multi-disciplined project information technology tasks. Provides corporate level or cabinet level advice on broad range of project related subject matter or policy issues. Provides recommendations on planning and management issues and reviews all high-level AIS activities. Recommends and advises on complex subjects associated with information technology issues and new and emerging technologies. Comprehensive knowledge and expertise in the in project related technologies and associated legal and privacy issues.

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