



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

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

* All awarded SINs are Recovery Purchasing.

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



National Technologies Associates, Inc. (NTA, Inc.)
2800 Shirlington Rd. Suite 700
Arlington, VA 22206
Phone: (703) 941-3695 Ext. 20
Fax: (703) 941-3698

Internet Address www.nta-online.com/

Business Size: Large

Contract Number: GS-23F-0149K

For more information on ordering from a Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov

Period Covered by Contract: March 17, 2000 to September 12, 2015

Pricelist current through Modification# PO-0019 Dated: 2/12/2015 and Refresh #22

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!TM, a menu driven database system. The Internet address for GSA Advantage!TM, is 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.

Pricelist dated 23 March 2009, Incorporates update to terms and conditions through Refresh #11.

Pricelist dated 17 March 2010, Incorporates Refresh #12 and Second 5 Year Option Period Awarded under PS-0006, PO-0007 & PO-0008.

Pricelist dated 28 March 2012, incorporates Solicitation FCXB-B2-990001-N Terms and Conditions updated through GSA Refresh #16.

Pricelist dated 16 April 2013, incorporates POC Change MOD # PA-0009, Terms and Conditions update through GSA Refresh #18

Pricelist dated 22 August 2014, Incorporates Address Change Mod #PA-0018, Terms and Conditions update through GSA Refresh #20

Pricelist dated 12 February 2015 incorporates awarded Mod #PO-0019, for temporary contract extension thru 12 September 2015.

NATIONAL TECHNOLOGIES ASSOCIATES, INC. (NTA, 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 Wright-Patterson, OH. 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 & 871-1RC	STRATEGIC PLANNING FOR TECHNOLOGY PROGRAMS/ACTIVITIES
871-2 & 871-2RC	CONCEPT DEVELOPMENT AND REQUIREMENTS ANALYSIS
871-3 & 871-3RC	SYSTEM DESIGN, ENGINEERING AND INTEGRATION
871-4 & 871-4RC	TEST AND EVALUATION
871-5 & 871-5RC	INTEGRATED LOGISTICS SUPPORT
871-6 & 871-6RC	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 customer 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>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>Services Offered</i>	<i>Description</i>
<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 system. 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.

871-1 & 871-1 RC 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 consulting.

871-2 & 871-2 RC 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 consulting.

871-3 & 871-3 RC 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 consulting.

871-4 & 871-4 RC TEST AND EVALUATION

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

871-5 & 871-5 RC 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 consulting.

871-6 & 871-6 RC 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 consulting.

CUSTOMER INFORMATION

FSS SIN(s): 871-1, 871-1RC, 871-2, 871-2RC, 871-3, 871-3RC, 871-4, 871-4RC, 871-5, 871-5RC, 871-6, & 871-6RC

Contract Number: GS-23F-0149K

Contract Period: March 17, 2000 to September 12, 2015

Contractor's Name: National Technologies Associates, Inc.

Contractor's Address: 2800 Shirlington Rd. Suite 700
Arlington, VA 22206

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(s)* <small>All SINS are RC</small>	DESCRIPTION
871-1 & 871-1RC	Strategic Planning for Technology Programs/Activities
871-2 & 871-2RC	Concept Development and Requirements Analysis
871-3 & 871-3RC	System Design, Engineering and Integration
871-4 & 871-4RC	Test and Evaluation
871-5 & 871-5RC	Integrated Logistics Support
871-6 & 871-6RC	Acquisition and Life Cycle Management

1b. Lowest Priced Model Number and Lowest Unit Price:

Item Number	Price
NTA, Inc. is only providing services at this time, see page 13 of this Pricelist.	

1c. Hourly Rates: See Labor Category Rates & Descriptions on Page 13 for more information. The labor hours cited above do not include supplies, materials, or other incidental costs.

2. Maximum Order: a. All SIN(s) 871-1, 871-1RC through 871-6, 871-6RC: is \$1,000,000 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 27 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.
2800 Shirlington Rd. Suite 700
Arlington, VA 22206
Attention: Robert Richards
(703) 941-3695 Ext. 20
(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.
2800 Shirlington Rd. Suite 700
Arlington, VA 22206
Attention: Robert Richards
(703) 941-3695 Ext. 20
(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 27 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 GUIDE FOR OUR CUSTOMERS

A SUMMARY OF HOW TO USE GSA SCHEDULES

This GSA Professional Engineering Services (PES) Schedule can be easily utilized to gain access to contractors for required services. Task Orders may be put in place quickly and efficiently by the Ordering Agency Contracting Officer.

SUBPART 8.4 – FEDERAL SUPPLY SCHEDULES

Orders must comply with applicable subsections under the FAR Part 8.4 Acquisition Regulation.

FAR Part 51

Orders can now be processed under FAR Part 51 Deviations. Please review and follow FAR instructions.

Eligibility

GSA Eligibility Order 48002H

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at:
<http://www.gsa.gov/portal/category/100623>

**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 Robert Richards at National Technologies Associates, Inc. (703) 941-3695 Ext. 20, richards@ntalex.com ; Fax (703) 941-3698.

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 RATES

Overview of NTA, Inc. Special Item Number(s) 871-1, 871-2, 871-3, 871-4, 871-5 & 871-6.
Professional Engineering Services (PES) Offering.

See Following Full Product Descriptions. All Rates are NTA Off-Site Rates (at NTA, Inc. facility only).*

SIN All awarded SINs are Recovery Purchasing.	Order #	Labor Category Title	Effective 3/16/2015- 9/12/2015
871-1-871-6	NPES001	Program Manager (Level 3)	\$ 134.85
871-1-871-6	NPES002	Program Manager (Level 2)	\$ 102.73
871-1-871-6	NPES003	Program Manager (Level 1)	\$ 93.51
871-1-871-6	NPES004	Project Manager	\$ 79.49
871-1-871-6	NPES005	Subject Matter Expert	\$ 155.98
871-1-871-6	NPES006	Principal Engineer	\$ 151.82
871-1-871-6	NPES007	Design Engineer	\$ 112.36
871-1-871-6	NPES008	Engineer Level 3/Senior Field Service Engineer	\$ 104.25
871-1-871-6	NPES009	Engineer Level 2/Field Service Engineer	\$ 70.11
871-1-871-6	NPES010	Engineer Level 1/Junior Field Service Engineer	\$ 57.60
871-1-871-6	NPES011	Systems Engineer (Level 2)	\$ 82.25
871-1-871-6	NPES012	Systems Engineer (Level 1)	\$ 71.99
871-1-871-6	NPES013	Engineering Technician 3 / Senior Maintenance Technician or Senior Material Technician	\$ 66.66
871-1-871-6	NPES014	Engineering Technician 2 / Maintenance Technician or Material Technician	\$ 61.11
871-1-871-6	NPES015	Engineering Technician 1 / Junior Maintenance Technician or Junior Material Technician	\$ 51.38
871-1-871-6	NPES016	Industrial Specialist (Level 2)	\$ 76.39
871-1-871-6	NPES017	Industrial Assistant	\$ 40.13
871-1-871-6	NPES018	Management Analyst (Level 2)	\$ 69.23
871-1-871-6	NPES019	Management Analyst (Level 1)	\$ 48.84
871-1-871-6	NPES020	Program Analyst (Level 3)	\$ 74.35
871-1-871-6	NPES021	Program Analyst (Level 2)	\$ 54.96
871-1-871-6	NPES022	Program Analyst (Level 1)	\$ 44.07
871-1-871-6	NPES023	Logistician (Level 3)	\$ 93.46
871-1-871-6	NPES024	Logistician (Level 2)	\$ 77.13
871-1-871-6	NPES025	Logistician (Level 1)	\$ 61.34
871-1-871-6	NPES026	Technical Data Specialist	\$ 39.12
871-1-871-6	NPES027	Technical Writer/Editor	\$ 40.07
871-1-871-6	NPES028	Technical Typist	\$ 30.10
871-1-871-6	NPES029	Data Entry Clerk	\$ 29.16
871-1-871-6	NPES030	Technical Assistant	\$ 37.22
871-1-871-6	NPES031	Computer Specialist (Level 3)	\$ 88.56
871-1-871-6	NPES032	Information Technology Systems Engineer (Level 3)	\$ 102.52
871-1-871-6	NPES033	Computer Programmer (Level 1)	\$ 42.78
871-1-871-6	NPES034	Senior Subject Matter Expert	\$ 259.21

Note: All non-professional labor categories must be incidental to and used solely to support professional engineering services, and cannot be purchased separately.

For additional information please contact Robert Richards at the NTA, Inc. GSA Technical Assistance Department at (703) 941-3695 Ext. 20; Fax (703) 941-3698.

SCA MATRIX FOR ADDITIONAL INFORMATION

NTA ORDER #	SCA ELIGIBLE CONTRACT LABOR CATEGORY	SCA EQUIVALENT CODE	SCA EQUIVALENT TITLE	WD NUMBER 05-2103 (REV. 14)
NPES013	Engineering Technician (Level 3)	30086	Engineering Technician VI	05-2103
NPES014	Engineering Technician (Level 2)	30085	Engineering Technician V	05-2103
NPES015	Engineering Technician (Level 1)	30084	Engineering Technician IV	05-2103
NPES017	Industrial Assistant	30082	Engineering Technician II	05-2103
NPES026	Technical Data Specialist	30461	Technical Writer I	05-2103
NPES027	Technical Writer/Editor	30462	Technical Writer II	05-2103
NPES028	Technical Typist	01611	Word Processor I	05-2103
NPES029	Data Entry Clerk	01051	Data Entry Operator I	05-2103
NPES030	Technical Assistant	30081	Engineering Technician I	05-2103

“The Service Contract Act (SCA) is applicable to this contract and it includes SCA applicable labor categories. The prices for the cited SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCA matrix. The prices offered are based on the preponderance of where work is performed and should the contractor perform in an area with lower SCA rates, resulting in lower wages being paid, the task order prices will be discounted accordingly.”

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.	Bachelor's 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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES007	Design Engineer	Eight years project related experience.	Bachelor's degree from an accredited college or university either in aeronautical, electronics, computer science, general engineering, or major field closely related to the subject matter.	Performs System Requirements Analyzes and Requirements Determination for new systems 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.	Bachelor's 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>

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES009	Engineer (Level 2)/ Field Service Engineer	Five years of project related experience. Including: One year of experience in development, test and evaluation of major systems.	Bachelor's 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. 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.</p> <p style="text-align: center;">~OR~</p> <p>Responds to client requirements pertaining to hardware and weapons/stores maintenance and troubleshooting.</p>
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.	<p>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.</p> <p style="text-align: center;">~OR~</p> <p>Assists in responding to client requirements pertaining to hardware and weapons/stores maintenance and troubleshooting.</p>

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
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 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.
NPES012	Systems Engineer (Level 1)	Five 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 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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES013	Engineering Technician 3/Senior Maintenance Technician or Senior Material Technician	Eight years of project related experience.	High school diploma or equivalent, and completion of a technical school, trade school, or advanced armed services technical school curriculum or course.	<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 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 style="text-align: center;">~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 style="text-align: center;">~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 style="text-align: center;">~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 style="text-align: center;">~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>

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES015	Engineering Technician 1/ Junior Maintenance Technician or Junior Material Technician	Two 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 style="text-align: center;">~OR~</p> <p>Assists in performing maintenance and clean-up of various types of equipment and weapons/stores.</p> <p style="text-align: center;">~OR~</p> <p>Assists in inventory and storage of material and weapons/stores items. Issue and receive material and weapons/stores as directed.</p>
NPES016	Industrial Specialist (Level 2)	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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
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. 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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES021	Program Analyst (Level 2)	Ten 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 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.
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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
NPES024	Logistician (Level 2)	Eight 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. 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.
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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
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.
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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
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 of project related experience may be substituted for the masters degree requirement.	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 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.

Order #	Labor Category Title	Minimum Experience	Minimum Education	Functional Responsibilities
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 Matter Expert	Fifteen years of project related experience.	Masters degree. A Bachelors degree and 4 years of additional project related experience may be substituted for the Masters degree.	Coordination of department and multiple project 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.

NTA, INC. SALES AND SERVICES POINTS

NATIONAL TECHNOLOGIES ASSOCIATES, INC.



Corporate Headquarters:
2800 Shirlington Rd. Suite 700
Arlington, VA 22206
Arlington County

Voice (703) 941-3695
Fax (703) 941-3698

Patuxent River Operations:
22738 Maple Road
Lexington Park, MD 20653
St. Mary's County

Voice (301) 863-6512
Fax (301) 862-1845

Jacksonville Operations:
4026 J. Louis Street
Green Cove Springs, FL 32043
Clay County

Voice (904) 284-9303
Fax (904) 284-9307

San Diego Operations:
3645 Ruffin Road, Suite 230
San Diego, CA 92123
San Diego County

Voice (858) 279-0010
Fax (858) 279-8078

Indian Head Operations:
4275 Hawthorn Road
Indian Head, MD 20640
Charles County

Voice (301) 753-5722
Fax (301) 753-9053

Cherry Point Operations:
302 East Main Street
Havelock, NC 28532
Craven County

Voice (252) 444-5411
Fax (252) 444-2370

Wright-Patterson Operations:
70 Birch Alley, Suite 240
Beavercreek, OH 45410
Greene County

Voice (937) 306-6303
Fax (937) 306-6201

Moyock Operations:
111 Currituck Commercial Dr.,
Suite B
Moyock, NC 27958

Voice (252) 562-9320

