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GENERAL SERVICES ADMINISTRATION

Federal Supply Service

Authorized Federal Supply Schedule Price List

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 GSA Advantage! is:

<http://www.GSAAdvantage.gov>.

Schedule Title: Professional Engineering Services (PES).

Federal Supply Group: 871 **Class:** R425

Contract number: GS-10F-0362U

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

Contract period: 09/24/2008 to 09/23/2013

Business size: Small, Veteran Owned Business

Modification: 0

Dated: September 24, 2008

SECTION I: Customer Information

1a. Table of awarded special item numbers (SINs):

SIN	Description	Page
871-1(EE, ME)/871-1RC	Strategic Planning For Technology Programs and Activities	6
871-2(EE, ME)/871-2RC	Concept Development and Requirements Analysis	6
871-3(EE, ME)/871-3RC	System Design, Engineering and Integration	6
871-4(EE, ME)/871-4RC	Test and Evaluation	7
871-5(EE, ME)/871-5RC	Integrated Logistics Support	7
871-6(EE, ME)/871-6RC	Acquisition and Life Cycle Management	7

1b. Price lists/rates: The tables in [SECTION III](#) indicate the lowest priced model and unit price for all special items in the contract. Prices are based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Prices do not change based on geographic location however, travel and delivery expenses are impacted by geographic location.

1c. [SECTION IV](#) is an inclusive description of all generic labor categories available in the schedule. Individuals with specialized experience are provided as required in customer requirement documents.

- 2. Maximum order: Maximum task order value is \$750,000.00
- 3. Minimum order: \$100.00
- 4. Geographic coverage (delivery area): Domestic and Overseas
- 5. Point(s) of production (city, county, and State or foreign country): Same as company address
- 6. Discount from list prices or statement of net price: Government prices are net (any discounts have already been taken from published list).
- 7. Quantity discounts: None Offered
- 8. Prompt payment terms: Net 30 days
- 9a. Notification that Government purchase cards are accepted up to the micro-purchase threshold: Yes
- 9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: Accepted. Maximum purchase is \$25,000.00.
- 10. Foreign items (list items by country of origin): None
- 11a. Time of delivery: Specified in task order.

11b. Expedited Delivery: All Schedule items are available for expedited delivery. Expedited delivery must be negotiated in advance and terms are subject to workforce availability at the time of order. Additional information is in paragraph 11d below.

11c. Overnight and 2-day delivery: Overnight and 2-day delivery are not available.

11d. Urgent Requirements. Contract Clause I-FSS-140-B URGENT REQUIREMENTS (JAN 1994) applies to agencies with urgent requirements. When the Federal Supply Schedule contract delivery period in paragraph 11a above does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact AOCE for the purpose of obtaining accelerated delivery. AOCE will reply to the inquiry within 3 workdays after receipt. (Telephonic replies will be confirmed by AOCE in writing). If AOCE offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame will be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

12. F.O.B. point(s): Destination/Domestic.

13a. Ordering address: Alpha-Omega Change Engineering
6 Manhattan Sq, Ste 100
Hampton, VA 23666-5846
Phone: 757.224.3716
Fax: 757.224.6191
E-mail: contracts@aoce.com

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs), and a sample BPA can be found at the GSA/FSS Schedule homepage (www.fss.gsa.gov/schedules)

14. Payment address: Alpha-Omega Change Engineering
6 Manhattan Sq, Ste 100
Hampton, VA 23666-5846

15. Warranty provision: Commercial standard warranty.

16. Export packing charges, if applicable: N/A

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): Maximum of \$25,000.00.

18. Terms and conditions of rental, maintenance, and repair (if applicable): N/A

19. Terms and conditions of installation (if applicable): N/A

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable): N/A

20a. Terms and conditions for any other services (if applicable): N/A

21. List of service and distribution points (if applicable): N/A

22. List of participating dealers (if applicable): N/A

23. Preventive maintenance (if applicable): N/A

24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: N/A

24b. If applicable, Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services. The EIT standards can be found at: www.Section508.gov.

25. Data Universal Number System (DUNS) number: 00-926-0337.

26. Notification regarding registration in Central Contractor Registration (CCR) database. AOCE is registered in the CCR. CAGE Code is: 1FNV1.

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SECTION II: Contract Scope

The Special Item Numbers available under this contract provide for services across the full life cycle of an engineering project. AOCE has been awarded all six Special Item Numbers under the Professional Engineering Services contract, as defined below:

- SIN 871-1 Strategic Planning for Technology Programs and Activities
- SIN 871-2 Concept Development and Requirements Analysis
- SIN 871-3 System Design, Engineering and Integration
- SIN 871-4 Test and Evaluation
- SIN 871-5 Integrated Logistics Support
- SIN 871-6 Acquisition and Life-Cycle Management

GSA awarded each Special Item Number after evaluating AOCE's experience, past performance and cost reasonableness. We provide a full description of each Special Item Number and examples of the types of work covered under each.

SIN 871-1 Strategic Planning For Technology Programs and Activities

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

Example: The evaluation and preliminary definition of new and/or improved performance goals for navigation satellites – such as launch procedures and costs, multi-user capability, useful service life, accuracy and resistance to natural and man made electronic interference.

SIN 871-2 Concept Development and Requirements Analysis

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

Example: The development and analysis of the total mission profile and life cycle of the improved satellite including examination of performance and cost tradeoffs.

SIN 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.

Example: The navigation satellite concept produced in the preceding stage will be converted to a detailed engineering design package, performance will be computer simulated and a working model will be built for testing and design verification.

SIN 871-4 Test and Evaluation

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

Example: The navigation satellite-working model will be subjected to a series of tests, which may simulate and ultimately duplicate its operational environment.

SIN 871-5 Integrated Logistics Support

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

Example: The full range of life cycle logistics support for the navigation satellite will be identified and designed in this stage including training, operation and maintenance requirements, and replacement procedures.

SIN 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 (including, but not limited to, construction management) technology transfer/insertion, training, privatization and outsourcing.

Example: During this stage the actual manufacturing, launch, and performance monitoring of the navigation satellite will be assisted through project management, configuration management, reliability analysis, engineering retrofit improvements and similar functions.

Architect-Engineering (A/E) Services as that term is defined in [FAR 36.601-3](#) are excluded from the PES Schedule. If the agency's statement of work, substantially or to a dominant extent, specifies performance or approval by a registered or licensed architect or engineer for services related to real property, the Brooks Architect-Engineers Act applies and such services must be procured in accordance with FAR Part 36. Use of this schedule for Brooks Act architectural or engineering services is not authorized. Inappropriate use of this SIN is professional engineering services not specifically related to acquisition and life cycle management and associated disciplines.

Outsourcing or Privatization of Professional Services

Task orders may be issued for complete outsourcing or privatization of a single task or any portion of an agency's operations within the scope of the contract. Under this type of an order, the contractor could be expected to provide a wide range of functions including administrative, management and technical. The contractor would be responsible for overall operations including developing a management structure to properly provide the full range of required services; planning, management, direction and supervision of the work activities involved and the personnel performing them; any facilities and/or equipment provided by the government, including the management of facilities and equipment in accordance with the provisions and/or regulations specified in the task order. The individual ordering agency will be responsible for assuring that pertinent governmental guidelines (e.g., OMB Circular A-76) are followed in deciding to use the outsourcing or privatization portion of this schedule.

Services Not Offered Under the Professional Engineering Services Schedule

Construction and Architect-Engineering Services as set forth in FAR Part 36: Construction Services as defined in FAR 2.101 must be procured in accordance with [FAR Part 36](#), except for Construction Management Services. Architect-Engineering (A/E) Services related to real property, as defined in FAR 36.601-3, are also excluded. Agencies interested in procuring Construction and Architect-Engineering Services may contact GSA's Public Buildings Service (PBS), at (202) 501-1100 or visit www.gsa.gov/pbs for additional information.

Construction Management Services that neither meets the FAR 36.601-3 definition of A/E Services nor the FAR 2.101 definition of construction CAN be performed under all of the SINs of the Professional Engineering Services schedule if considered a commercial item.

Engineering Disciplines

Two Primary Engineering Disciplines (PEDs) are included in this schedule. Each engineering field has hundreds of associated sub-disciplines or specialties. Below is a list of offered PEDs with a partial list of sub-disciplines or specialties contemplated under this schedule.

Electrical Engineering (EE):

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

Mechanical Engineering (ME):

Planning, development, evaluation and control of systems and components involving the production and transfer of energy and with the conversion of one form of energy to another. It includes, but is not limited to, planning and evaluation of power plants, analysis of the economical combustion of fuels, conversion of heat energy into mechanical energy, use of mechanical energy to perform useful work, analysis of structures and motion in mechanical systems, and conversion of raw materials into a final product, etc. (e.g., thermodynamics, mechanics, fluid mechanics, jets, rocket engines, internal combustion engines, steam and gas turbines, continuum mechanics, dynamic systems, dynamics fluid mechanics, heat transfer, manufacturing, materials, solid mechanics, reactors, etc.).

SECTION III: Hourly Labor Rates (All SINS)

The Hourly Labor Rates table below lists the labor rates used to develop our response to each task order. These labor rates apply to all SINS (871-1, 871-2, 871-3, 871-4, 871-5, and 871-6). Labor rates include the GSA IFF.

PES Labor Category	Hourly Rate 09/24/2008- 09/23/2009	Hourly Rate 09/24/2009- 09/23/2010	Hourly Rate 09/24/2010- 09/23/2011	Hourly Rate 09/24/2011- 09/23/2012	Hourly Rate 09/24/2012- 09/23/2013
Senior Technical Expert 1	\$226.86	\$234.69	\$242.78	\$251.16	\$259.82
Senior Technical Expert 2	\$158.80	\$164.28	\$169.95	\$175.81	\$181.87
Program Manager	\$158.29	\$163.75	\$169.40	\$175.24	\$181.29
Senior Engineer/Analyst	\$115.75	\$119.74	\$123.87	\$128.15	\$132.57
Engineer/Analyst	\$102.24	\$105.77	\$109.42	\$113.19	\$117.10
Junior Engineer/Analyst	\$80.00	\$82.76	\$85.62	\$88.57	\$91.62
Apprentice Engineer/Analyst	\$55.32	\$57.23	\$59.20	\$61.25	\$63.36

SECTION IV: Labor Category Descriptions

Senior Technical Expert 1

Minimum/General Experience: At least eight years of specialized experience in the required area of expertise.

Functional Responsibility: Individuals in this category possess specialized technical knowledge and skills and superior leadership skills required to solve the most demanding and complex technical issues. These individuals are experts in the technology being addressed and demonstrate creativity and innovation in developing and applying advanced techniques and solutions.

Minimum Education: Doctorate degree or equivalent.

Senior Technical Expert 2

Minimum/General Experience: At least two years of specialized experience in the required area of expertise.

Functional Responsibility: Individuals in this category possess specialized technical knowledge and skills and superior leadership skills required to solve the most demanding and complex technical issues. These individuals are experts in the technology being addressed and demonstrate creativity and innovation in developing and applying advanced techniques and solutions.

Minimum Education: Master degree or equivalent.

Program Manager

Minimum/General Experience: Ten or more years of general experience including at least eight years of relevant specialized experience.

Functional Responsibility: Responsible for overall project organization and direction. Requires knowledge of FARs and DoD regulations, requirements, policies and procedures, cost and schedule estimating, systems disciplines, and engineering specifications. Provides management and technical direction to program and project personnel. Regularly exercises independent judgment as well as a high level of analytical skill in solving complex and unusual technical, administrative, and managerial problems. Establishes work plan and staffing for each phase of project, and arranges for recruitment or assignment of project personnel. Ultimately responsible for project planning, execution, and performance. Plans, directs, coordinates, and controls technical and administrative activities of designated projects to ensure goals or objectives are accomplished within prescribed time frame and funding parameters. Supervises, reviews and maintains the quality of work performed on the project. Makes administrative judgments and provides advice on resolving problems. Coordinates project activities with activities of government regulatory or other governmental agencies.

Minimum Education: Master degree or equivalent.

Senior Engineer/Analyst

Minimum/General Experience: Five or more years of relevant experience applying the fundamental practices, concepts, and procedures of engineering and/or analysis.

Functional Responsibility: Performs highly complex engineering and/or analysis activities such as system planning, analysis, design, modification, conversion, implementation, support, and project management. Demonstrates extensive subject matter expertise and communication skills to interface with all levels of management. Provides technical direction and advice to program

managers or other program or project personnel. Regularly exercises independent judgment as well as a high level of analytical skill in solving complex and unusual technical or conceptual problems. Integrates technical needs into work plan timeline, including identification of required skill sets for each phase of project, and participates in recruitment or assignment of project personnel. Develops requirements from project inception to conclusion in a subject matter area, for simple to moderately complex programs. Provides analysis, evaluation and recommendations for improvements, optimization, development, and/or maintenance efforts for client-specific or mission-critical proficiencies. Consults with client to define need or problem, conducts studies and surveys to obtain data, and analyzes data to advise on or recommend solutions.

Minimum Education: Master degree or equivalent.

Engineer/Analyst

Minimum/General Experience: Two or more years of relevant experience applying the fundamental practices, concepts, and procedures of engineering and/or analysis.

Functional Responsibility: Performs engineering and/or analysis activities such as system planning, analysis, design, modification, conversion, implementation, and support.

Minimum Education: Master degree or equivalent.

Junior Engineer/Analyst

Minimum/General Experience: Two or more years of experience in a relevant functional area or training sufficient to enable the successful accomplishment of assigned engineering tasking.

Functional Responsibility: Performs engineering and/or analysis activities such as system planning, analysis, design, modification, conversion, implementation, and support under the direction of higher-grade personnel.

Minimum Education: Bachelor degree or equivalent.

Apprentice Engineer/Analyst

Minimum/General Experience: One or more years of experience in a relevant functional area or training sufficient to enable the successful accomplishment of assigned engineering tasking.

Functional Responsibility: Performs engineering and/or analysis activities such as system planning, analysis, design, modification, conversion, implementation, and support under the direction of higher-grade personnel.

Minimum Education: Bachelor degree or equivalent.

SUBSTITUTIONS:

AOCE reserves the right to make the following substitutions in the education and/or experience requirements of any of the service skill categories set forth herein.

1. One year of experience is the equivalent of one year of education.
2. One year of education is the equivalent of one year of experience.
3. Certification related to the technology is equivalent to two years of the experience/education requirement.