



GENERAL SERVICES ADMINISTRATION

Federal Supply Service

Authorized Federal Supply Schedule Price List for

**Professional Engineering Services (PES)
GSA Schedule 871
Contract No. GS-23F-0117P**

For more information on ordering from Federal supply Schedules,
click on FSS Schedules button at fss.gsa.gov.

Option 2

Period Covered by Contract: February 4, 2014 - February 3, 2019

**Systems Engineering Associates, Inc.
357 Van Ness Way, Suite 200
Torrance, CA 90501**

Contact:
David R. Camp (310)-787-9800
Email: dcamp@teamsea.com
Web Site: www.teamsea.com

Online 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 <https://www.gsaadvantage.gov/>.

Business Size: Small.

CUSTOMER INFORMATION

1a. Table of awarded Special Item Numbers (SINs):

871-1 Strategic Planning for Technology Programs
871-2 Concept Development and Requirements Analysis
871-3 System Design and Integration
871-4 Test and Evaluation
~~871-5 Integrated Logistics Support (Not offered)~~
871-6 Acquisition and Life Cycle Support
~~871-7 Construction Management (Not Offered)~~

1b. Identification of the lowest priced model number and lowest unit price:
Not applicable.

1c. Description of labor categories and hourly rates: See pages 9-13.

2. Maximum order: There is no maximum task order size for the contract. However, a maximum threshold value of \$1,000,000 for each task order has been established for the contract. When task orders exceed this value, agencies should consider additional contractors and seek discounts.

3. Minimum order: \$100

4. Geographic coverage (delivery area): This contract was established to be used as a source for Professional Engineering Services as described in the Statement of Work for domestic use only.

5. Point(s) of production (city, county, and state or foreign country):
Determined by individual task order.

6. Discount from list prices or statement of net price: Prices shown herein are net (discount deducted) and include the 0.75% Industrial Funding Fee.

7. Quantity discounts: SEA will provide a quantity discount of two (2) percent for any task order issued for \$150,000 or more..

8. Prompt payment terms: Net 30 days.

9.a Notification that Government purchase cards are accepted below the micro-purchase threshold: Government purchase cards are accepted below the micro-purchase threshold of \$2,500.

9.b Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold: Accepted.

10. **Foreign Items:** Not applicable.

11a. **Time of Delivery:** Negotiated for each individual task order.

11b. **Expedited Delivery:** Negotiated for each individual task order.

11c. **Overnight and 2-day delivery:** Negotiated for each individual task order.

11d. **Urgent Requirements:** Negotiated for each individual task order. Contact SEA representative at dcamp@teamsea.com or 310-787-9800 to affect a faster delivery.

12. **FOB Point(s):** Destination.

13a. **Ordering Address:** Systems Engineering Associates, Inc.
357 Van Ness Way, Suite 200
Torrance, CA 90501

13b. **Ordering procedures:** For supplies and services, the ordering procedures and information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition Regulations (FAR) 8.4 – Federal Supply Schedules.

14. **Payment Address:**

Systems Engineering Associates, Inc.
357 Van Ness Way, Suite 200
Torrance, CA 90501

SEA encourages all customers to remit funds electronically. Electronic Remittances in U.S. Dollars (USD) should be directed in favor of Systems Engineering Associates, Inc. Please contact our Controller for specific routing information: ksanders@teamsea.com .

15. **Warranty provisions:** None, unless negotiated in individual Task Orders.

16. **Export packing charges, if applicable:** Not applicable.

17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):** To the dollar limit of the Government Purchase Card.

18. **Terms and conditions of rental, maintenance, and repair:** Not applicable.

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

20. Terms and conditions of repair parts indicating date of parts lists and any discounts from list prices: Not applicable.

20a. Terms and conditions for any other services: Not applicable.

21. List of service and distributions points: Not applicable.

22. List of participating dealers: Not applicable.

23. Preventive maintenance: Not applicable.

24a. Special attributes such as environmental attributes (e.g. recycled content, energy efficiency, and/or reduced pollutants): Not applicable.

24b. Section 508 Compliance Information: Not applicable.

25. Data Universal Number System (DUNS) Number: 05-1239338.

26. Notification regarding registration in Central Contractor Registration (CCR) database: Systems Engineering Associates, Inc. is registered in the CCR. SEA's Cage Code is: 1VRB9.

27. Uncompensated overtime: SEA does not utilize uncompensated overtime.

28. Service Contract Act: The Service Contract Act (SCA) is applicable to this contract and as it applies to the entire 871 Professional Engineering Services (PES) Schedule and all services provided. While no specific labor categories have been identified as being subject to SCA due to exemptions for professional employees (FAR 22.1101, 22.1102 and 29 CFR 5413.300), this contract still maintains the provisions and protections for SCA eligible labor categories. If and/or when the Contractor adds SCA labor categories / employees to the contract through the modification process, the Contractor must inform the Contracting Officer and establish a SCA matrix identifying the GSA labor category titles, the occupational code, SCA labor category titles and applicable wage determination (WD) number. Failure to do so may result in cancellation of the contract.

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A. Company Overview

Systems Engineering Associates, Inc. is unique in that it is 100% staffed with very experienced electro-optical and radar space systems engineers, ground system engineers, and senior program managers. Our expertise spans the spectrum from mission/systems analysis through payload subsystem engineering and on-board and ground data processing. SEA employees are engaged in many of the space programs of critical importance to the nation.

Our team members have comprehensive knowledge of military space sensor systems. Many staff members played important roles in the creation and development of these technologies. They can quickly assist in solving problems and getting things done, especially in these domains:

- Missile Warning
- Missile Warning, Tracking, Discrimination
- Intercept
- ISR Systems
- Space Communication System

SEA employees are skilled in electro-optical and radar payloads for space, air, and ground platforms, from design through test and deployment.

SEA is a California corporation founded in 2001, with facilities in Torrance, CA.



B. Contract Overview

GSA awarded SEA a GSA Federal Supply Schedule (FSS) contract for Professional Engineering Services (PES), Contract No. GS-23F-0117P, beginning February 4, 2004, and extended through Option 1 to February 3, 2014. The current contract ordering period (Option 2) is from February 04, 2014 to February 3, 2019. (Individual task order end dates can extend beyond the ordering period). One additional five-year option period may be exercised by GSA at the end of this period. This is an Indefinite Delivery Indefinite Quantity (IDIQ) Multiple Award Schedule contract that provides for task orders to be placed as Firm Fixed-Price (FFP) or time and material (T&M) task orders using the labor categories and ceiling rates defined in the contract. Order type is at the discretion of the ordering agency. There is no dollar value ceiling for this contract.

C. Contract Use

This contract is available for use by all federal government agencies as a source for Professional Engineering Services, for domestic use. Executive agencies, other Federal agencies, mixed-ownership Government corporations, and the District of Columbia; Government contractors authorized in writing by a Federal agency; and other activities and organizations authorized by statute or regulation to use GSA as a source of supply may use this contract. Additionally, contractors are encouraged to accept orders received from activities within the Executive Branch of the Federal Government.

D. Contract Scope: SINs

The Special Item Numbers (SINs) available under this contract provide for services across the full life cycle of an engineering project. When task orders are placed, they must identify the SIN or SINs under which the task is being executed. SEA has been awarded a contract by GSA to provide services under five offered SINs:

SIN 871-1 Strategic Planning For Technology Programs/Activities

Services offered 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, requirement 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 & Requirements Analysis

Services offered 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, and 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 & Integration

Services offered 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 & Evaluation

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

- *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 (Not Offered)~~

SIN 871-6 Acquisition & Life Cycle Management

Services offered under this SIN involve 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.

- *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.*

SIN 871-7 Construction Management (Not Offered)

SIN 871-8 Ancillary Supplies and/or Services (Not Offered)

E. Primary Engineering Disciplines

This contract defines two Primary Engineering Disciplines (PEDs) that may be used under each of the contract SINs: Electrical Engineering and Mechanical Engineering.

SIN	Title	Electrical Engineering	Mechanical Engineering
871-1	Strategic Planning for Technology Programs	X	X
871-2	Concept Development and Requirements Analysis	X	X
871-3	System Design and Integration	X	X
871-4	Test and Evaluation	X	X
871-6	Acquisition and Life Cycle Support	X	X

F. Labor Rates

GSA has approved five professional labor categories for this contract:

- a. Subject Matter Expert -1
- b. Subject Matter Expert-2
- c. Subject Matter Expert-3
- d. Technical Consultant-1
- e. Technical Consultant-2
- f. Business Manager-1

Labor Categories	Option 2				
	Year 11	Year 12	Year 13	Year 14	Year 15
	2/4/2014-2/3/2015	2/4/2015-2/3/2016	2/4/2016-2/3/2017	2/4/2017-2/3/2018	2/4/2018-2/3/2019
Subject Matter Expert -1	\$309.72	\$309.72	\$315.91	\$322.23	\$328.68
Subject Matter Expert -2	\$261.55	\$261.55	\$266.78	\$272.12	\$277.56
Subject Matter Expert -3	\$209.65	\$209.65	\$213.84	\$218.12	\$222.48
Technical Consultant-1	\$304.38	\$304.38	\$310.47	\$316.68	\$323.01
Technical Consultant-2	\$256.92	\$256.92	\$262.06	\$267.30	\$272.65
Business Manager-1	\$180.54	\$180.54	\$184.15	\$187.83	\$191.59
All prices include the IFF of 0.75%.					

G. Labor Categories

GSA has approved the following SEA labor categories and associated qualifications for engineering services for all five SINs under this contract.

Professional Labor Category. Subject Matter Expert-1.

- Education: Master of Science degree or higher in engineering, physics, mathematics or similar disciplines.
- Experience: 30 + years experience in the Aerospace and missile defense industry. Hands on experience with various satellite and space defense systems and programs.
- Duties: Support Program Managers and Technical Directors/ System Engineers in planning and execution of programs. 30+ years Leadership position (major program manager or higher).
- Technical Expertise: Orbital mechanics, dynamics, radiometrics, optics (visible and infrared), electronics, infrared and optical detectors, lasers, mechanics (statics and dynamics), signal processing algorithms, data processing algorithms, signal and data processors, thermal analysis, thermal subsystems, cryogenic subsystems, radiators, heat pipes, and electrical power subsystems.
- Systems Engineering Experience: Mission analysis, requirements flow down, requirements management, operations concepts, interface definition and management, conceptual design, detailed design management, development management, risk management, test and evaluation planning and execution, software management, software verification and validation, quality processes, parts materials and processes management, contamination control, and reliability management.
- Program Management Experience: Program planning, subcontract planning, IMP/IMS development, IPT structure, IPT management, schedule planning, IMP/IMS management, cost management, earned value management and reporting, risk analysis, and program risk management.
- Security: Secret or Top Secret Security Clearance with special access background investigation

Professional Labor Category. Subject Matter Expert 2.

- Education: Master of Science degree or higher in engineering, physics, mathematics or similar disciplines. Expert in his/her field of endeavor.

- Experience: Over 20 years in an Aerospace or Defense Program leadership position (program manager or higher).
- Duties: Support Systems Engineers and Integrated Product Team (IPT) leaders in planning and execution of programs.
- Technical Expertise: Program management; systems engineering; specialty engineering; operations concepts. Electrical Engineering (EE), Mechanical Engineering, and physics disciplines include: Orbital mechanics, dynamics, radio-metrics, optics (visible and infrared), electronics, infrared and optical detectors, lasers, mechanics (statics and dynamics), signal processing algorithms, data processing algorithms, signal and data processors, thermal analysis, thermal subsystems, cryogenic subsystems, radiators, heat pipes, and electrical power subsystems.
- Systems Engineering Expertise: Mission analysis, requirements flow down, requirements management, operations concepts, interface definition and management, conceptual design, detailed design management, development management, risk management, test and evaluation planning and execution, software management, software verification and validation, quality processes, parts materials and processes management, contamination control, and reliability management.
- Program Management Expertise: Program planning, subcontract planning, IMP/IMS development, IPT structure, IPT management, schedule planning, IMP/IMS management, cost management, earned value management (EVM) and reporting, risk analysis, and program risk management.
- Security: Secret or Top Secret Security Clearance with special access background investigation

Professional Labor Category. Subject Matter Expert-3.

- Education: Master of Science degree or higher in engineering, physics, mathematics or similar disciplines.
- Experience: 10+ years systems engineering experience in the Aerospace and defense industry.
- Duties: Perform systems engineering tasks under the direction of a Chief Systems Engineer or equivalent.

- Technical Expertise: Systems engineering; systems analysis; modeling and simulation; architecture development and documentation; specialty engineering; and operations concepts. Electrical Engineering (EE), Mechanical Engineering, and physics disciplines include: Orbital mechanics, dynamics, radio-metrics, optics (visible and infrared), electronics, infrared and optical detectors, lasers, mechanics (statics and dynamics), signal processing algorithms, data processing algorithms, signal and data processors, thermal analysis, thermal subsystems, cryogenic subsystems, radiators, heat pipes, and electrical power subsystems..
- Systems Engineering Expertise: Mission analysis, requirements flow down, requirements management, operations concepts, interface definition and management, conceptual design, risk management, test and evaluation planning and execution, software development, software verification and validation, quality processes, parts materials and processes management, contamination control, and reliability management.
- Security: Secret or Top Secret Security Clearance with special access background investigation

Professional Labor Category. Technical Consultant-1

- Education: Masters Degree or higher in Electrical Engineering, Mechanical Engineering, or in a related scientific field-Physics, Computer Science, Astronomy, etc.
- Experience: 30+ years Technical leadership position (broad or multiple areas). Job duties include Supporting System Engineers and IPT leaders with in-depth technical analyses spanning broad technical areas.
- Duties: Provide advice to senior corporate or government personnel on specific technology strategies for developing improved defense and weapons systems, develop program plans, support Integrated Product Teams, and prepare high level technical reports in accordance with program mission statements.
- Technical Expertise: Systems engineering, systems analysis, design engineering, specialty engineering, and operations concepts. Engineering and physics disciplines include orbital mechanics, dynamics, radio-metrics, optics (visible and infrared), electronics, infrared and optical detectors, lasers, mechanics (statics and dynamics), signal processing algorithms, data processing algorithms, signal and data processors,

thermal analysis, thermal subsystems, cryogenic subsystems, radiators, heat pipes, and electrical power subsystems.

- Systems Engineering Expertise: Mission analysis, requirements flow down, requirements management, operations concepts, interface definition and management, conceptual design, detailed design management, development management, risk management, test and evaluation planning and execution, parts materials and processes management, contamination control, and reliability management.
- Program Management Expertise: Program planning, subcontract planning, IMP/IMS development, IPT structure, IPT management, schedule planning, IMP/IMS management, cost management, earned value management and reporting, risk analysis, program risk management.
- Security: Secret or Top Secret Security Clearance with special access background investigation

Professional Labor Category. Technical Consultant-2

- Education: Masters Degree or PhD in Electrical Engineering, Mechanical Engineering or in a scientific and related field of expertise.
- Experience: 20+ years in a Technical leadership position (narrow or single area).
- Duties: Support SE and IPT leaders with in-depth technical analyses.
- Technical Expertise: Systems engineering, systems analysis, design engineering, specialty engineering, and operations concepts. Engineering or physics related areas of expertise include Orbital mechanics, dynamics, radio-metrics, optics (visible and infrared), electronics, infrared and optical detectors, lasers, mechanics (statics and dynamics), signal processing algorithms, data processing algorithms, signal and data processors, thermal analysis, thermal subsystems, cryogenic subsystems, radiators, heat pipes, and electrical power subsystems.
- Systems Engineering Expertise: Mission analysis, requirements flow down, requirements management, operations concepts, interface definition and management, conceptual design, detailed design management, development management, risk management, test and evaluation planning and execution, software management, software verification and validation, quality processes, parts materials and processes management, contamination control, and reliability management.

- Program Management Expertise: Program planning, subcontract planning, IMP/IMS development, IPT structure, IPT management, schedule planning, IMP/IMS management, cost management, earned value management systems in accordance with DoD 5000 series specifications. Expert in reporting, risk analysis, and program risk management techniques.
- Security: Secret or Top Secret Security Clearance with special access background investigation.

Professional Labor Category. Business Manager-1

- Education: Masters or higher degree in business or economics.
- Duties: Support Program Management in financial and cost management of proposals and programs.
- Technical Experience: 20 years experience in a financial leadership position providing business management support to major projects and organizations.
- Technical Expertise: Knowledge of contracting for major defense systems and programs including preparation of change proposals, knowledge management technologies and economic models for the weapon system life cycle development process.
- Systems Engineering Expertise: Cost proposals, cost analyses supporting technical program needs, and experience in major system specifications related to cost management and cost control.
- Program Management Expertise: Support senior technical and management personnel in the development and promulgation of should cost and best value estimation techniques.
- Program Experience: 20+ years participation in major aerospace programs including space systems, missile defense, and transformational technology assessments in the Aerospace industry.
- Security: Secret or Top Secret Security Clearance with special access background investigation.

End
