



Authorized Federal Acquisition Service Information Technology Schedule
Pricelist

Professional Engineering Services

SIN 871-1	Strategic Planning for Technology Programs/Activities
SIN 871-2	Concept Definition and Requirements Analysis
SIN 871-3	Systems Design, Engineering, and Integration
SIN 871-4	Test and Evaluation
SIN 871-6	Acquisition and Life Cycle Management



*Section 833 of the National Defense Authorization Act allows state and local governments to purchase products and services to facilitate recovery from a major disaster. The following SINs include Recovery Purchasing: **871-1RC, 871-2RC, 871-3RC, 871-4RC, 871-6RC***

Quantum Research International, Inc. 991 Discovery Drive, Huntsville, AL 35806 Tel: (256) 971-1800 Web Site: http://www.quantum-intl.com Business Size Small
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For more information on ordering from Federal Supply Schedules, click of the “Learn Schedules” button at <http://www.gsa.gov/schedules-ordering>

Contract Number: GS-23F-0064K

Period Covered by Contract: 20 December 2014 – 19 December 2019

General Services Administration
Federal Acquisition Service

Pricelist current through Modification 10. PS-0007 dated March 4, 2014

Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage! System at <http://www.gsaadvantage.gov> .

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CUSTOMER INFORMATION

1. TABLE OF AWARDED SPECIAL ITEM NUMBERS

<i>Professional Engineering Services (PES) Special Item Numbers</i>	<i>Engineering Discipline</i>	<i>Page</i>
871-1 Strategic Planning for Technology Programs/Activities	Electrical Mechanical	6
871-2 Concept Development and Requirements Analysis	Electrical Mechanical	6
871-3 Systems Design, Engineering, and Integration	Electrical Mechanical	6
871-4 Test and Evaluation	Electrical Mechanical	7
871-6 Acquisition and Life Cycle Management	Mechanical	7
<p>DISAST RECOV *- Section 833 of the National Defense Authorization Act allows state and local governments to purchase products and services to facilitate recovery from a major disaster. The following SINs include Recovery Purchasing: 871-1RC, 871-2RC, 871-3RC, 871-4RC, 871-6RC</p>		

1b. Lowest Price Model Number

Not applicable to services.

1c. Hourly Rates

See page 12.

2. MAXIMUM ORDER

There is no maximum task order size for this contract; however a maximum threshold of \$1,000,000/task order was established. When an agency order exceeds this maximum threshold, ordering offices may (in accordance with FAR 8.404):

- I. Based upon the initial evaluation, generally seek price reductions from the schedule contractor(s) appearing to provide the best value (considering price and other factors); and
- II. After price reductions have been sought, place the order with the schedule contractor that provides the best value and results in the lowest overall cost alternative (see FAR 8.404(a)). If further price reductions are not offered, an order may still be placed, if the ordering office determines that it is appropriate.

Quantum Research International, Inc. (Quantum) may:

- I. Offer a new lower price for this requirement (the Price Reductions clause is not applicable to orders placed over the maximum order in FAR 52.216-19 Order Limitations); or
- II. Offer the lowest price available under the contract; or
- III. Decline the order. Quantum must return declined orders to the ordering office within 5 workdays after receipt.

3. MINIMUM ORDER

The minimum order that may be placed under this contract is \$100.

4. GEOGRAPHIC COVERAGE (DELIVERY AREA)

The geographic scope of this contract is the 48 contiguous states, the District of Columbia, Alaska, Hawaii, the Commonwealth of Puerto Rico, and such other overseas locations as determined on an order-by-order basis.

5. POINTS OF PRODUCTION

Determined by individual task order.

6. DISCOUNT FROM LIST PRICES OR STATEMENT OF NET PRICE

Prices shown are NET Prices; Basic Discounts have been deducted.

7. QUANTITY DISCOUNTS

None

8. PROMPT PAYMENT TERMS

None. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. GOVERNMENT PURCHASE CARDS

Government purchase cards are accepted for services above or below the micropurchase threshold of \$2,500.

10. FOREIGN ITEMS

None

11a. TIME OF DELIVERY

Specified on the Task Order

11b. EXPEDITED DELIVERY

Items available for expedited delivery are noted in this price list.

11c. OVERNIGHT AND 2-DAY DELIVERY

Contact Contractor

11d. URGENT REQUIREMENTS

Contact Contractor

12. F.O.B. POINTS

Destination

13a ORDERING ADDRESS

Quantum Research International, Inc.
Attn: Cynthia Pack, Contracts Manager
991 Discovery Drive
Huntsville, AL 35806

The following telephone numbers can be used by ordering activities to obtain technical and/or ordering assistance.

Technical Assistance:	Bob Sinclair Tel: (256) 971-1800, ext. 259 Fax: (256) 971-1805 Email: bsinclair@quantum-intl.com
Ordering Assistance:	Cynthia Pack Tel: (256) 971-1800, ext. 145 Fax: (256) 971-1802 Email: cpack@quantum-intl.com

13b. ORDERING PROCEDURES

For supplies and services, the ordering procedures and information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition regulation (FAR) 8.405-3.

14. PAYMENT ADDRESS

Quantum Research International, Inc.
Attn: Accounts Receivable
991 Discovery Drive
Huntsville, AL 35806

15. WARRANTY PROVISION:

Contractor's Standard Commercial Warranty

16. EXPORT PACKING CHARGES

Not applicable

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE

Contact Contractor

18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE AND REPAIR

Not Applicable

19. TERMS AND CONDITIONS OF INSTALLATION

Not Applicable

20. TERMS AND CONDITIONS OF REPAIR PARTS

Not Applicable

20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES

Not Applicable

21. LIST OF SERVICE AND DISTRIBUTION POINTS

Not Applicable

22. LIST OF PARTICIPATING DEALERS

Not Applicable

23. PREVENTIVE MAINTENANCE

Not Applicable

24a. ENVIRONMENTAL ATTRIBUTES, E.G. RECYCLED CONTENT, ENERGY EFFICIENCY, AND/OR REDUCED POLLUTANTS

Not applicable

24b. SECTION 508 COMPLIANCE

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following: http://www.quantum-intl.com/GSA_Schedules/ITPS.htm

The EIT standard can be found at: www.Section508.gov/.

25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER

36-195-4324

26. REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM)

Quantum has registered with the System for Award Management

27. SERVICE CONTRACT APPLICABILITY

The Service Contract Act (SCA) is applicable to this contract and as it applies to the entire 871 – Professional Engineering Services 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 29CFR 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.

In accordance with clause 52.222-41, SCA does not apply to any labor category that is performed outside the United States which is defined as all 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, and Outer Continental Shelf lands as defined in the Outer Continental Shelf Lands Act ([43 U.S.C. 1331](#), *et seq.*), but does not include any other place subject to U.S. jurisdiction or any U.S. base or possession in a foreign country (29 CFR 4.112).

QUANTUM CORPORATE OVERVIEW

Quantum Research International, Inc. (Quantum), is a successful, independently owned, Small Business headquartered in Huntsville, AL that has a 25+ year history of providing defense related products, services and solutions to the U.S. Armed Forces, Federal Government, Industry and other satisfied customers. Quantum's complement of capabilities is reflected in the table to the right.

COMPANY CAPABILITIES
<ul style="list-style-type: none">• Cyber Security and Intelligence Programs Support• Space Operations and Control• C4ISR• Warfighter Support and Logistics• Weapons Systems Analysis• Acquisition Support• Test and Evaluation• Audio/visual Technology Applications

As a services-based company, the technical and business expertise of our employees is our greatest strength. We take great pride in a staff of employees and consultants comprised of highly qualified military specialists, trainers, scientists, engineers, systems analysts, technical specialists, military writers and business professionals with many years of experience in their respective professions. They are particularly proficient in developing operational concepts and requirements and translating combat developer requirements (user language) into materiel developer requirements (engineering language). Our engineers, analysts, and technical specialists include all levels of military experience, including retired General Officers and civil servants with extensive backgrounds in Army tactics, techniques, and procedures; Force Modernization; test and evaluation; systems analysis; modeling and simulation; and operations. Many of our prior military personnel have first-hand combat experience, which gives them a deep appreciation for the needs of the Warfighter as well as the survivability, vulnerability and lethality factors applied to soldiers and weapon systems.

Quantum's corporate headquarters is in Huntsville, AL, with facilities in Arlington, VA, Bel Air, MD; Colorado Springs, CO; Shalimar, FL; Hampton Roads, VA; and Bel Air, MD. Personnel are also located on-site with customers at several locations throughout the U.S. and overseas.

Quantum has earned its reputation by caring for its customers, and we look forward to continuing to grow with our customers by taking advantage of the ease and efficiency that the GSA PES Services contract provides.

PROFESSIONAL ENGINEERING SERVICES SPECIAL ITEM NUMBERS (SIN)

Quantum offers a variety of services under the General Administration Agency's (GSA) Professional Engineering Services (PES) Federal Supply Schedule (FSS). The GSA PES contract is a Firm-Fixed Price (FFP) and Labor Hour Indefinite Quantity contract running from 20 December 2014 to 19 December 2019. **This contract is open to all federal government agencies worldwide and their approved contractors.**

Under the PES contract, Quantum offers engineering services in the five areas or Special Item Numbers (SINs) below. For each of the SINs listed, some sample-associated tasks are listed in bullet form. **Please note that these examples are not intended to encompass all services that Quantum can offer under this contract.**

SIN 871-1 STRATEGIC PLANNING FOR TECHNOLOGY PROGRAMS/ACTIVITIES

Involves the definition and interpretation of high-level organizational engineering performance requirements, such as projects, systems and missions, and the objectives and approaches to their performance. Examples of services Quantum offers includes:

- Business Process Reengineering
- Analysis of Mission, Goals, and Program Objectives
- Strategic Planning Support
- Special Studies

SIN 871-2 CONCEPT DEFINITION AND REQUIREMENTS ANALYSIS:

Involves abstract or concept studies and analyses, 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. Examples of services Quantum offers includes:

- Integrated Definition (IDEF) 0, 1X, and 3 Modeling
- Operational Requirements Definition
- Operational/System/Technical Architecture Definition and Analysis
- Technical Studies

SIN 871-3 SYSTEMS DESIGN, ENGINEERING AND INTEGRATION:

Involves 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. Examples of services Quantum offers includes:

- Systems Engineering Database Development, Analysis, and Maintenance
- Risk Identification, Analysis, and Mitigation
- Modeling, Simulation, and Analysis
- Analytical Tool Development

SIN 871-4 TEST AND EVALUATION:

Involves the application of various techniques demonstrating that a prototype system (subsystem, program, project or activity) performs in accordance with the objectives outlined in the original design. Examples of services Quantum offers includes:

- Test Requirements Definition
- Verification, Validation, and Accreditation
- Development of Test and Evaluation Documentation
- Test Program Management

SIN 871-6 ACQUISITION AND LIFE CYCLE MANAGEMENT:

Involves all of the planning, budgetary, contract and systems/program management functions required to procure and/or produce, render operational and provide life cycle support (maintenance, repair, supplies, engineering-specific logistics) to technology-based systems, activities, subsystems, and projects.

- Program/Project Management
- Acquisition and Fielding Strategy Development
- Programmatic Support
- Development of Automated Program Management Tools

LABOR CATEGORY DESCRIPTIONS

Quantum's takes pride in our professional staff, which possesses the "right mix" of technical skills and "real-world" operational experience. Our GSA-approved labor categories are designed with two goals in mind: (1) to provide our customers with high-quality, best-value engineering services, and (2) to provide opportunities for the professional growth and advancement of our staff.

1. PROGRAM MANAGER

Education: B.S. or B.A. Degree.

Experience/Minimum Training Requirements: This position requires a minimum of 12 years experience in providing professional engineering services and a bachelor's degree in an engineering, computer science, business, or other related scientific or technical discipline.

- With a master's degree in the fields described above, 10 years of experience.
- With a Ph. D. in the fields described above, eight (8) years of experience.
- With 20 years of experience, a degree in the fields described above is not required.

Duties: Serves as project manager for a large, complex task order (TO) or a group of individual task orders (TOs). Demonstrates proven skills in those technical areas addressed by the TOs to be managed. Works with the Government Contracting Officer (CO), the Contracting Officer's Technical Representatives (COTRs), the Ordering Offices representatives, and the individual Task Leaders (TLs) to ensure that all TO-deliverables are met on schedule and within costs. Organizes directs, and coordinates the planning and production of all contract activities. Horizontal integrates the planning and implementation of multiple task orders when necessary. Demonstrates excellent written and oral communication skills.

2. TASK LEADER

Education: B.S. or B.A. Degree.

Experience/ Minimum Training Requirements: This position requires a minimum of 10 years experience in providing professional engineering services and a bachelor's degree in an engineering, computer science, business, or other related scientific or technical discipline.

- With a master's degree in the fields described above, eight (8) years of experience.
- With a Ph. D. in the fields described above, six (6) years of experience.
- With 15 years of experience, a degree in the fields described above is not required.

Duties: Performs day-to-day management of assigned task order (TO) projects and acts as lead for all technical matters concerning the task. Demonstrates proven skills in the technical areas addressed by the TO. Provides guidance and direction to personnel assigned to work on the task. Initially prepares the internal task plan defining the subtasks, subtask phasing, inputs, outputs, skill requirements, tools to be used, total manpower, cost and schedule for the task, as well as all briefings and progress/performance reports. For potential problem areas, outlines realistic solutions and preventive measures to be followed. Demonstrates excellent oral and written communication skills.

3. PRINCIPAL SYSTEMS ENGINEER

Education: B.S. or B.A. Degree.

Experience/ Minimum Training Requirements: This position requires a minimum of 10 years' experience in providing professional engineering services and a bachelor's degree in engineering.

- With a master's degree in the fields described above, eight (8) years of experience.
- With a Ph. D. in the fields described above, six (6) years of experience.

Duties: Establishes performance and technical standards for the tasks. Develops and refines new engineering techniques to enhance quality and productivity. Generates and approves testing specifications for the TO. Must be able to serve as liaison for interpreting and translating the various disciplines represented on the task team and a point of contact for evaluation of problems arising from the interdisciplinary nature of the task.

4. PRINCIPAL SYSTEMS ANALYST

Education: B. S. or B.A. Degree.

Experience/ Minimum Training Requirements: This position requires a minimum of 10 years' experience in providing professional engineering services and a bachelor's degree in computer science, business, or other related discipline. Must include a superior functional knowledge of task order (TO) - specific requirements. Must demonstrate the ability to work independently or when given only general direction.

- With a master's degree in the fields described above, eight (8) years of experience.
- With a Ph. D. in the fields described above, six (6) years of experience.
- With 15 years of experience, a degree in the fields described above is not required.

Duties: Analyzes user needs to determine functional and cross-functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Provides daily supervision to support staff. Demonstrates excellent oral and written communication skills.

5. SENIOR SYSTEMS ENGINEER

Education: B.S. or B.A. Degree.

Experience/ Minimum Training Requirements: This position requires a minimum of eight (8) years experience in providing professional engineering services and a bachelor's degree in engineering. At least four years experience in the supervision of systems engineers.

- With a master's degree in the fields described above, six (6) years of experience.

Duties: Analyzes user and system requirements. Evaluates problems in workflow, organization, and planning. Develops appropriate corrective actions. Provides daily supervision and direction to the staff.

6. SENIOR SYSTEMS ANALYST

Education: B.S. or B.A. Degree.

Experience/Minimum Training Requirements: This position requires a minimum of eight (8) years experience in providing professional engineering services and a bachelor's degree in computer science, business or other related discipline. At least four years experience in the supervision of analysts.

- With a masters degree in the fields described above, six (6) years of experience.
- With 12 years of experience, a degree in the fields described above is not required.

Duties: Determines functional and cross-functional relationships. Performs functional allocation to identify the required tasks and their interrelationships. Provides daily supervision and direction to the systems analysts.

7. SYSTEMS ENGINEER

Education: B. S. or B. A. Degree.

Experience/Minimum Training Requirements: This is a mid-level position that requires a minimum of five (5) years experience in systems engineering and a bachelor's degree in engineering. At least two (2) years of experience in analytical problem solving related to work flow, organization, and planning. Must demonstrate the ability to work independently or under general direction.

Duties: Performs complex engineering analysis and design tasks. Prepares specifications and designs, and implements the solutions. May design subsystems. Assists in developing standards. Works as part of a task team.

8. SYSTEMS ANALYST

Education: B. S. or B. A. Degree.

Experience/Minimum Training Requirements: This is a mid-level position that requires a minimum of five (5) years analyzing systems. At least two (2) years of specialized experience in analytical problem solving and developing functional requirements for complex systems. Must demonstrate the ability to work independently or under only general direction.

With eight (8) years of relevant experience, a degree is not required.

Duties: Analyses user needs to determine functional and cross-functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required for each task. Works as part of a task team.

9. JUNIOR SYSTEMS ENGINEER

Education: B. S. or B. A. Degree.

Experience/Minimum Training Requirements: This is an entry-level position that requires a minimum of one (1) year of experience in systems engineering and a bachelor's degree in engineering

Duties: Provides basic technical assistance in systems engineering under the supervision of more senior engineers. Works as part of a task team.

10. JUNIOR SYSTEMS ANALYST

Education: B.S. or B.A. Degree.

Experience/Minimum Training Requirements: This is an entry-level position requiring a bachelor's degree in computer science, business, or other related discipline.

With five (5) years of relevant experience, a degree is not required.

Duties: Assists more senior analysts in analyzing user needs to determine functional and cross-functional requirements, in performing functional allocation, and in identifying resources required for the tasks. Works as part of a task team.

11. TECHNICAL EDITOR

Education: Associates degree in English, literature, or other related discipline or the equivalent.

Experience/Minimum Training Requirements: This position requires a minimum of three (3) years experience, of which one year must be specialized which includes the editing of technical documents.

With eight (8) years of relevant experience, a degree is not required.

Duties: Assists in collecting and organizing information for preparation of user manuals, training materials, and reports. Edits functional descriptions, system specifications, and any other customer deliverables and documents. Assists the Project Manager and Task Leaders in performing financial and administrative functions.

12. TECHNICAL TYPIST

Education: High school diploma or equivalent.

Experience/Minimum Training Requirements: Must have two (2) years experience in a technical typing position.

Duties: Must be able to type at least 60 words per minute with than one percent error rate. Must be capable of preparing final-form technical documents. Must be able to use various PC word processing software products (e.g., Word, WordPerfect, and Excel).

13. GRAPHICS SPECIALIST

Education: High school diploma or equivalent.

Experience/Minimum Training Requirements: Must have at least four (4) years of specialized experience in graphics.

Duties: Must be capable of preparing final-form graphics containing no errors. Must be able to use various PC graphics products (e.g., PowerPoint, Claris Draw, Adobe PhotoShop, Microsoft Publisher).

14. EXECUTIVE-LEVEL SUBJECT MATTER EXPERT

Education: B.S. or B.A. Degree.

Experience/Minimum Training Requirements: This position requires a minimum of 26 years of specialized experience in the functional area being studied and at least a bachelor's degree. A master's or doctorate degree is preferred.

With 30 years of specialized experience, a degree is not required.

Duties: Provides technical, managerial, and administrative advice to the Project Manager (PM) concerning the functional area under study. Makes recommendations and advises on organizational-wide system improvements. Demonstrates excellent oral and written communication skills. May work independently or directly for the PM.

PROFESSIONAL ENGINEERING SERVICES PRICE LISTS

Quantum (Contractor) Site Labor Rates (\$)	Year 16	Year 17	Year 18	Year 19	Year 20
1. Program Manager	\$223.81	\$228.06	\$232.39	\$236.81	\$241.31
2. Task Leader	\$169.97	\$173.20	\$176.50	\$179.85	\$183.27
3. Principal Systems Engineer	\$161.08	\$164.14	\$167.26	\$170.44	\$173.67
4. Principal Systems Analyst	\$139.02	\$141.66	\$144.36	\$147.10	\$149.89
5. Senior Systems Engineer	\$134.23	\$136.78	\$139.38	\$142.02	\$144.72
6. Senior Systems Analyst	\$130.39	\$132.87	\$135.39	\$137.96	\$140.58
7. Systems Engineer	\$116.01	\$118.21	\$120.46	\$122.75	\$125.08
8. Systems Analyst	\$117.48	\$119.71	\$121.99	\$124.31	\$126.67
9. Junior Systems Engineer	\$74.00	\$75.40	\$76.83	\$78.29	\$79.78
10. Junior Systems Analyst	\$73.88	\$75.29	\$76.72	\$78.18	\$79.66
11. Technical Editor	\$59.76	\$60.89	\$62.05	\$63.23	\$64.43
12. Technical Typist	\$53.31	\$54.32	\$55.35	\$56.41	\$57.48
13. Graphics Specialist	\$58.81	\$59.93	\$61.07	\$62.23	\$63.41
14. Executive Level Subject-Matter Expert	\$287.63	\$293.09	\$298.66	\$304.34	\$310.12

Customer Site Labor Rates (\$)	Year 16	Year 17	Year 18	Year 19	Year 20
1. Program Manager	\$167.62	\$170.80	\$174.05	\$177.35	\$180.72
2. Task Leader	\$145.45	\$148.21	\$151.03	\$153.90	\$156.82
3. Principal Systems Engineer	\$147.55	\$150.36	\$153.21	\$156.12	\$159.09
4. Principal Systems Analyst	\$165.59	\$168.74	\$171.94	\$175.21	\$178.54
5. Senior Systems Engineer	\$128.25	\$130.69	\$133.17	\$135.70	\$138.28
6. Senior Systems Analyst	\$110.39	\$112.48	\$114.61	\$116.79	\$119.01
7. Systems Engineer	\$108.04	\$110.09	\$112.18	\$114.32	\$116.49
8. Systems Analyst	\$100.36	\$102.26	\$104.21	\$106.19	\$108.20
9. Junior Systems Engineer	\$66.50	\$67.76	\$69.05	\$70.36	\$71.70
10. Junior Systems Analyst	\$66.40	\$67.66	\$68.95	\$70.26	\$71.59
11. Technical Editor	\$50.85	\$51.82	\$52.80	\$53.81	\$54.83
12. Technical Typist	\$45.62	\$46.49	\$47.37	\$48.27	\$49.19
13. Graphics Specialist	\$55.06	\$56.10	\$57.17	\$58.26	\$59.37
14. Executive Level Subject-Matter Expert	\$253.50	\$258.32	\$263.23	\$268.23	\$273.32

Year 16	20 Dec 14 – 19 Dec 15
Year 17	20 Dec 15 – 19 Dec 16
Year 18	20 Dec 16 – 19 Dec 17
Year 19	20 Dec 17 – 19 Dec 18
Year 20	20 Dec 18 – 19 Dec 19