

**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE**

**Federal Supply Schedule Price List
For
PROFESSIONAL ENGINEERING SERVICES
(PES)**

Special Item No. 871-1 Strategic Planning for Technology Programs/Activities (SIN 871-1)
Special Item No. 871-2 Concept Developments & Requirements Analysis (SIN 871-2)
Special Item No. 871-3 System Design, Engineering and Integration (SIN 871-3)
Special Item No. 871-6 Acquisition & Life Cycle Management (SIN 871-6)

Special Item No. 871-1RC Strategic Planning for Technology Programs/Activities (SIN 871-1)
Special Item No. 871-2RC Concept Developments & Requirements Analysis (SIN 871-2)
Special Item No. 871-3RC System Design, Engineering and Integration (SIN 871-3)
Special Item No. 871-6RC Acquisition & Life Cycle Management (SIN 871-6)



**MCR Federal, LLC
2010 Corporate Ridge, Ste. 350
McLean, VA 22102
703-506-4600
www.mcricom**

CONTRACT NUMBER: GS-23F-0206R

Effective June 30, 2005 – June 27, 2015

**Small Business under NAICS Code – 541712/SIC 8731
Large Business under NAICS Code – 541330/SIC 8711**

On-line access to 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: <http://www.GSAAdvantage.gov> For more information on ordering from Federal Supply Schedules, click on the FSS Schedules button at <http://www.fss.gsa.gov>.

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CUSTOMER INFORMATION

Special Items Numbers (SINs) Offered

<u>X</u>	871-1	Strategic Planning for Technology Programs/Activities	Electrical & Mechanical
<u>X</u>	871-2	Concept Development and Requirements Analysis	Electrical & Mechanical
<u>X</u>	871-3	System Design and Integration	Electrical & Mechanical
<u>X</u>	871-6	Acquisitions and Life Cycle Support	Electrical & Mechanical

1b. LIST OF LABOR CATEGORIES AND RATES BEGINNING ON PAGE 6

1c. LABOR CATEGORY DESCRIPTIONS BEGINNING ON PAGE 8

2. MAXIMUM ORDER THRESHOLD: \$1,000,000.00

3. MINIMUM ORDER: \$100.00

4. GEOGRAPHIC COVERAGE (DELIVERY AREA). Domestic Only

5. POINT(S) OF PRODUCTION (CITY, COUNTY, AND STATE OR FOREIGN COUNTRY).

**MCR Federal, LLC
2010 Corporate Ridge, Ste. 350,
McLean, VA 22102**

6. DISCOUNT FROM LIST PRICES OR STATEMENT OF NET PRICE: Prices are net on Page 6.

7. QUANTITY DISCOUNTS: Contact Contractor

8. PROMPT PAYMENT/QUANTITY DISCOUNTS: Net 30 days

9a. GOVERNMENT PURCHASE CARDS ARE ACCEPTED AT OR BELOW THE MICRO PURCHASE THRESHOLD.

9b. GOVERNMENT PURCHASE CARDS ARE ACCEPTED ABOVE THE MICRO-PURCHASE THRESHOLD.

10. FOREIGN ITEMS (LIST ITEMS BY COUNTRY OF ORIGIN): N/A

11a. TIME OF DELIVERY: Specified on the Task Order.

11b. EXPEDITED DELIVERY: The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price list that have expedited delivery:
Contact Contractor

11c. OVERNIGHT AND 2-DAY DELIVERY: Contact Contractor

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- 11d. URGENT REQUIREMENTS: Contact Contractor
12. FOB POINTS: DESTINATION
13. ORDERING ADDRESS(ES):
- MCR Federal, LLC,
2010 Corporate Ridge, Ste. 350,
McLean, VA 22102.
Primary POC: Lawrence Lam, Contracts Manager, lwlam@mcri.com,
Alternate POC: Debra Ferguson, Contracts Manager, dferguson@mcri.com)**
- 13 b. 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. PAYMENT ADDRESS(ES):
- Citizens Bank
Checking Acct#: 62051714322
ABA#: 036076150.
Name: MCR Federal, LLC**
15. WARRANTY PROVISION: Contractor's standard commercial 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): **Contact Contractor**
18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR: N/A
19. TERMS AND CONDITIONS OF INSTALLATION: N/A
20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES: 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: N/A
23. PREVENTIVE MAINTENANCE (IF APPLICABLE): N/A
- 24a. ENVIRONMENTAL ATTRIBUTES, E.G., RECYCLED CONTENT, ENERGY EFFICIENCY, AND/OR REDUCED POLLUTANTS: NONE
- 24b. IF APPLICABLE, INDICATE THAT SECTION 508 COMPLIANCE INFORMATION IS AVAILABLE ON ELECTRONIC AND INFORMATION TECHNOLOGY (EIT) SUPPLIES AND SERVICES AND SHOW WHERE FULL DETAILS CAN BE FOUND (E.G.

CONTRACTOR'S WEBSITE OR OTHER LOCATION.) The EIT standards can be found at www.Section508.gov/.

25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER: **02-850-9656**
26. MCR FEDERAL LLC IS REGISTERED IN THE CENTRAL CONTRACTOR REGISTRATION (CCR) DATABASE.
27. TRAVEL AND OTHER DIRECT COSTS: The Contractor may be required to travel or incur Other Direct Costs (ODC) in performance of orders issued under this contract. Allowable travel and ODC are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. Travel or ODC in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and ODC charges.
28. SECURITY CLEARANCES: MCR Federal, LLC has employee's available holding security clearances. Please contact for specific information.

Professional Engineering Services Contract Option Year 1 Labor Rates

SINs and PEDs SINs: 871-1, 2, 3, 6, and 871-1RC, 2RC, 3RC and 6RC PEDs EE and ME	Option 1				
	Year 6 6/30/2010 to 6/27/2011	Year 7 6/28/2011 to 6/27/2012	Year 8 6/28/2012 to 6/27/2013	Year 9 6/28/2013 to 6/27/2014	Year 10 6/28/2014 to 6/27/2015
Labor Categories					
Administrative Support I	\$65.36	\$67.26	\$69.21	\$71.22	\$73.29
Administrative Support II	\$56.14	\$57.77	\$59.45	\$61.17	\$62.94
Administrative Support III	\$42.26	\$43.49	\$44.75	\$46.05	\$47.39
Sr. Consultant I	\$251.06	\$258.34	\$265.83	\$273.54	\$281.47
Sr. Consultant II	\$223.81	\$230.30	\$236.98	\$243.85	\$250.92
Sr. Consultant III	\$179.84	\$185.06	\$190.43	\$195.95	\$201.63
Documentation Specialist	\$76.96	\$79.19	\$81.49	\$83.85	\$86.28
Engineer/Scientist VII			\$216.75	\$223.04	\$229.51
Engineer/Scientist VI			\$173.35	\$178.38	\$183.55
Engineer/Scientist V			\$138.49	\$142.51	\$146.64
Engineer/Scientist IV			\$117.22	\$120.62	\$124.12
Engineer/Scientist III			\$91.44	\$94.09	\$96.82
Engineer/Scientist II			\$78.42	\$80.69	\$83.03
Engineer/Scientist I			\$62.64	\$64.46	\$66.33
Engineer/Scientist Co-op			\$35.08	\$36.10	\$37.15
Sr. Engineer I	\$151.70	\$156.10	\$160.63	\$165.29	\$170.08
Sr. Cost Analyst	\$115.15	\$118.49	\$121.93	\$125.47	\$129.11
Systems Engineer	\$138.84	\$142.87	\$147.01	\$151.27	\$155.66
Engineer/Analyst I	\$120.77	\$124.27	\$127.87	\$131.58	\$135.40
Engineer/Analyst II	\$105.13	\$108.18	\$111.32	\$114.55	\$117.87
Engineer/Analyst III	\$90.10	\$92.71	\$95.40	\$98.17	\$101.02
Technical Analyst I	\$158.05	\$162.63	\$167.35	\$172.20	\$177.19
Technical Analyst II	\$139.66	\$143.71	\$147.88	\$152.17	\$156.58
Technical Specialist V			\$102.21	\$105.17	\$108.22
Technical Specialist IV			\$77.84	\$80.10	\$82.42
Technical Specialist III			\$61.16	\$62.93	\$64.75
Technical Specialist II			\$44.33	\$45.62	\$46.94
Technical Specialist I			\$32.15	\$33.08	\$34.04
Sr. Application Engineer	\$83.25	\$85.66	\$88.14	\$90.70	\$93.33
Information Specialist	\$50.27	\$51.73	\$53.23	\$54.77	\$56.36
Logistics Engineer I	\$127.59	\$131.29	\$135.10	\$139.02	\$143.05
Logistics Engineer II	\$107.68	\$110.80	\$114.01	\$117.32	\$120.72
Logistics Eng. III	\$95.87	\$98.65	\$101.51	\$104.45	\$107.48
Analyst/Logistician/Specialist V			\$132.21	\$136.04	\$139.99
Analyst/Logistician/Specialist IV			\$104.53	\$107.56	\$110.68
Analyst/Logistician/Specialist III			\$81.14	\$83.49	\$85.91
Analyst/Logistician/Specialist II			\$66.88	\$68.82	\$70.82
Analyst/Logistician/Specialist I			\$56.62	\$58.26	\$59.95
Operations Research I	\$147.44	\$151.72	\$156.12	\$160.65	\$165.31
Operations Research II	\$143.58	\$147.74	\$152.02	\$156.43	\$160.97
Operations Research III	\$136.50	\$140.46	\$144.53	\$148.72	\$153.03
Project Director I	\$168.94	\$173.84	\$178.88	\$184.07	\$189.41
Project Director II	\$158.56	\$163.16	\$167.89	\$172.76	\$177.77
Project Manager	\$131.09	\$134.89	\$138.80	\$142.83	\$146.97

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Sr. Cost Engineer/PM	\$164.38	\$169.15	\$174.06	\$179.11	\$184.30
Quality Control Specialist	\$81.56	\$83.93	\$86.36	\$88.86	\$91.44
Statistician	\$113.58	\$116.87	\$120.26	\$123.75	\$127.34
Writer	\$65.47	\$67.37	\$69.32	\$71.33	\$73.40

SCA Eligible Contract Labor Category	SCA Equivalent Code – Title	Wage Determination Number
Admin. Support I	01013 - Accounting Clerk III	05-2103
Admin. Support II	01012 - Accounting Clerk II	05-2103
Admin. Support III	01311 - Secretary I	05-2103
Documentation Spec.	30463 - Technical Writer III	05-2103
Writer	30462 - Technical Writer II	05-2103

“The Service Contract Act (SCA) is applicable to this contract and it includes SCA applicable labor categories. The prices for the indicated SCA labor categories are based on the U.S. Department of Labor Wage Determination Number(s) identified in the 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.”

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LABOR CATEGORY DESCRIPTIONS

Administrative Support I

Duties: Capability to assist cost analysts/budget analyst/schedule analyst by collection, organizing and maintaining cost and cost related data. This includes carrying out literature and reference searches to extract and/or abstract pertinent information from source material in support of engineering or cost analysis activities. Ability to perform some computer assisted analysis of data.

Minimum Requirements: Shall have, as a minimum, eight (8) years of experience working with technical, schedule, or cost information including indexing, cataloging, processing and abstracting cost, schedule, or technical information. A Bachelor's degree may be substituted for two years of the experience requirement.

Administrative Support II

Duties: Capability to assist cost analysts/budget analyst/schedule analyst by collection, organizing and maintaining cost and cost related data. This includes carrying out literature and reference searches to extract and/or abstract pertinent information from source material in support of engineering or cost analysis activities. Ability to perform some computer assisted analysis of data.

Minimum Requirements: Shall have, as a minimum, four (4) years of experience working with technical, schedule, or cost information including indexing, cataloging, processing and abstracting cost, schedule, or technical information. A Bachelor's degree may be substituted for two years of the experience requirement.

Administrative Support III

Duties: Provide administration support to staff. Responsibilities include filing, maintaining the library; typing and preparation of letters and technical documentation such as TR's, Working Notes, briefings, monthly progress reports, and spreadsheets, etc. Supporting staff in preparation of proposals.

Minimum Requirements: High School Diploma. Knowledge of IBM compatible computers and knowledge of Microsoft Office, Lotus 1-2-3 or excel, etc.

Sr. Consultant I

Duties: Provides consulting and executive support to defense/government programs and personnel. Provides executive knowledge and insight on government issues. Leads analysis and develops recommendations that may have substantial impact of government programs and activities. Provides key insight into government plans, policies and system acquisition. Supports the resolution of extremely complex systems engineering, computer science, or other related field issues.

Minimum Requirements: BS/BA Degree with over twenty (20) years of experience. Must have experience and ability to provide key insight into government level plans, policies and system acquisition. As well as be able to support the resolution of extremely complex systems engineering, computer science, or other related field issues. Advanced Degrees may substitute for ten (10) years of experience.

Sr. Consultant II

Duties: Provides consulting and executive support to defense/government programs and personnel. Provides advanced knowledge and insight on government issues. Performs analysis and develops recommendations that may have substantial impact of government programs and activities. Provides key insight into government plans, policies and system acquisition. Supports the resolution of extremely complex systems engineering, computer science, or other related field issues.

Minimum Requirements: BS/BA Degree with over fifteen (15) years of experience. Must have experience and ability to provide key insight into government level plans, policies and system acquisition. As well as be able to support the resolution of extremely complex systems engineering, computer science, or other related field issues. Advanced Degrees may substitute for 5 years of experience.

Senior Consultant III

Duties: Provides consulting and executive support to defense/government programs and personnel. Delivers knowledge and insight on government issues. Provides analysis and develops recommendations that may have substantial impact of government programs and activities. Provides key insight into government plans, policies and system acquisition. Supports the resolution of extremely complex systems engineering, computer science, or other related field issues.

Minimum Requirements: BS/BA Degree with over 10 years of experience. Must have experience and ability to provide key insight into government level plans, policies and system acquisition. As well as be able to support the resolution of extremely complex systems engineering, computer science, or other related field issues. Advanced Degrees may substitute for three (3) years of experience.

Documentation Specialist

Duties: Prepares support documentation and technical operations manuals for selected systems and networks, including related hardware and software. Implements automation and standardization to enable effective use of digital documents. Generates technical materials and manuals. Write documentation, operator manuals, and checklist procedures for hardware and software systems. Analyze requirements for needed documentation and completeness. Ensures that technical subject materials are presented clearly and succinctly.

Minimum Requirements: BS/BA Degree with at least four (4) years of experience working with technical writing, documentation development, including indexing, cataloging, processing and abstracting cost, schedule, or technical information. Good oral skills, excellent writing skills, and team skills are required. Experience and fluency in standard office software, including MSWord and MSOffice is required.

Engineer/Scientist VII

Duties: Expert level of knowledge in one or more management, scientific, or technical specialties as well as advanced project management. Makes decisions and recommendations that are recognized as authoritative and have an important impact on extensive engineering and related activities of the company. Initiates and maintains extensive contacts with key officials of other organizations and companies and negotiates critical issues. Responsible for deciding the kind and extent of engineering and related programs needed to accomplish the objectives of the

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company. Performs advisory and consulting work for the company as a recognized authority for broad program areas. This employee is a senior-level manager who must be able to solve complex technical problems, develop business and marketing plans and manage and supervise other employees. May supervise subordinate supervisors or team leaders.

Minimum Education: PhD or equivalent related experience.

Minimum Experience: This position typically requires eighteen (18) years of experience.

Engineer/Scientist VI

Duties: Advanced level of knowledge in one or more management, scientific, or technical specialties as well as project management experience. Makes decisions and recommendations that are recognized as authoritative and have an impact on engineering and related activities of the company. Initiates and maintains extensive contacts with senior staff of other organizations and companies and negotiates important issues. Gives input on the kind and extent of engineering and related programs needed to accomplish the objectives of the company. Performs advisory and consulting work for the company as a recognized authority for broad program areas. This employee is a high-level manager who must be able to solve complex technical problems, develop business and marketing plans and manage and supervise other employees. May supervise subordinate supervisors or team leaders.

Minimum Education: Master's degree or equivalent related experience.

Minimum Experience: This position typically requires fifteen (15) years of related experience.

Engineer/Scientist V

Duties: The engineer/scientist shall be used in those requirements where a high level of expertise is necessary to perform designated tasks. Plans, schedules, conducts or coordinates detailed phases of the engineering or scientific work in a project or performs work that involves conventional engineering or scientific practice. Gives input on the kind and extent of engineering and related programs needed to accomplish the objectives of the company. Performs advisory and consulting work for the company as a recognized authority for broad program areas.

Minimum Education: Bachelor's degree or equivalent related experience.

Minimum Experience: This position typically requires twelve (12) years of related experience.

Engineer/Scientist IV

Duties: Plans, conducts, technically directs and evaluates projects or tasks, requiring coordination of the efforts of engineers and technical support staff. Responsible for formulation of the opinions, decisions and ultimate performance of the task specified in the statement of work contained in the task order.

Minimum Education: Bachelor's degree or equivalent related experience.

Minimum Experience: This position typically requires Eight (8) years of related experience.

Engineer/Scientist III

Duties: Recommends technical concepts, plans for implantation, monitors technical progress, coordinates and monitors tests, assesses performance data, and implements solutions to technical problems. Analyzes and organizes technical data and reports into summaries for management review. Participates in programs and may prepare reports or results.

Minimum Education: Bachelor's degree or equivalent related experience.

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Minimum Experience: This position typically requires 5 years of related experience.

Engineer/Scientist II

Duties: Takes direction from the senior project engineer. Plans and performs engineering research and design development assignments, including responsibility for the engineering of a portion of a major project.

Minimum Education: Bachelor's degree or equivalent related experience.

Minimum Experience: This position typically requires two (2) years of related experience.

Engineer/Scientist I

Duties: The Entry Level Engineer/Scientist must receive guidance from senior level managers and/or engineers and work as part of a team to accomplish assigned tasks. Gathers and correlates basic engineering data. Performs detailed or routine engineering, research and development assignments involving calculations and relatively simple tests

Minimum Education: Bachelor's degree or equivalent related experience.

Minimum Experience: This position typically requires zero (0) years of related experience.

Engineer/Scientist Co-op

Duties: Supports engineers performing technical design development and test and evaluation of complex subsystems. Participates in studies and analyses involving extensive literature searches. Participates in the preparation of project documentation including technical and administrative reports.

Minimum Education: Completed one year of education.

Minimum Experience: This position requires no experience.

Sr. Engineer I

Duties: Ability to advise on and perform professional or technical work in system and subsystem design and engineering analysis required in support of cost analysis activities. Processes knowledge and experience in material properties, design and performance analysis and parts requirements.

Minimum Requirements: Must have, as a minimum, a Bachelor's degree in Engineering, or Science, with eight years of professional-level technical experience, at least four of which involved military equipment. An advanced scientific or engineering degree may be substituted for two years of the experience requirement.

Sr. Cost Analyst I

Duties: Capable of assuming full responsibility to advise on and perform professional or technical work in cost estimating, cost analysis, budgeting, scheduling, performance measurement, and/or cost research. Processes an in-depth knowledge of the techniques, uses and content of cost analysis to accomplish the most complex of estimating or research efforts. This encompasses a basic knowledge of statistical techniques, scheduling, network analysis, applied mathematics, economics and the engineering disciplines.

Minimum Requirements: Minimum education requirement is a bachelor's degree in Business, Engineering, Science (Physics or Chemistry Only) or Mathematics with at least eight years of cost estimating, cost analysis, budgeting, scheduling, operations research or engineering

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experience, at least four of which involved military equipment. An advanced business, math, science (physics or chemistry only), or engineering degree may substitute for two years of the experience requirements. If the Bachelor's degree is in a field not listed, two additional years of direct experience may be substituted. Four (4) years of experience may be substituted for a Bachelor's Degree.

Systems Engineer I

Duties: Capable of assuming responsibility to advise on and perform professional or technical work in performing engineering trades of alternatives and development of technical/cost assessments. Leads team. Possesses knowledge of the techniques, uses and content of technical/cost assessments to accomplish the most complex of analyses or research efforts. Responsible for aiding the establishment of cost targets/goals, architecture of trade study cost/technical analytical models and establishing cost reduction plans and programs. This encompasses knowledge of statistical techniques, applied mathematics, economics and the engineering disciplines.

Minimum Requirements: BS/BA Degree with eight (8) years relevant experience working in a technical engineering environment; or ten (10) years related experience in lieu of bachelor's degree. Project Management experience required.

Engineer/Analyst I

Duties: Leads the planning, organizing, and directs the efforts of a group of analysts. Must have the ability to advice on and perform professional or technical work in technical assessment, cost estimating, cost analysis, budgeting, scheduling, performance measurement, and/or cost research. Must process substantial knowledge of the techniques, uses and content of the work described above to accomplish the most complex of efforts. This encompasses a basic knowledge of statistical techniques, scheduling techniques, network analysis, applied mathematics, economics and the engineering disciplines.

Minimum Requirements: Minimum education requirement is a bachelor's degree in Business, Engineering, Science (Physics or Chemistry Only), or Mathematics with at least eight (8) years of cost estimating, cost analysis, budgeting, scheduling, operations research or engineering experience, at least four of which involved military equipment. An advanced business, math, science (physics or chemistry only), or engineering degree may substitute for two years of the experience requirements. If the Bachelor's degree is in a field not listed, two additional year of direct experience may be substituted. Four (4) years of experience may be substituted for a Bachelor's Degree.

Engineer/Analyst II

Duties: Conducts weapons systems cost estimating and/or technical assessment tasks in problem areas of extensive scope and complexity. The problems are difficult to define, and may require novel approaches and the use of sophisticated techniques. Has extensive technical responsibility for interpreting, organizing, executing and coordinating assignments, including the direction of other cost estimators. Keeps abreast of new weapons-system cost estimating methodologies, databases and assessment tools. Work requires the technical capability to assess the cost and schedule implications of existing and projected technological advances, as well as being able to evaluate the impact of new and innovative acquisition strategies.

Minimum Requirements: BS/BA with 24 semester hours in quantitative analysis courses and at least six (6) years of weapons system acquisition cost analysis experience (excluding C/SCSC experience and cost performance report analysis experience), demonstrating progressively more responsible assignments and has managed to provide overall direction and leadership for the preparation of cost estimates.

Engineer/Analyst III

Duties: Conducts weapons systems cost estimating and/or technical assessment tasks in problem areas of routine scope and complexity. Has technical responsibility for interpreting, organizing, executing and coordinating assignments, including the direction of other cost estimators. Keeps abreast of new weapons-system cost estimating methodologies, databases and assessment tools. Work requires the technical capability to assess the cost and schedule implications of existing and projected technological advances, as well as being able to evaluate the impact of new and innovative acquisition strategies.

Minimum Requirements: BS/BA with 24 semester hours in quantitative analysis courses and at least three (3) years of weapons system acquisition cost analysis experience, demonstrating progressively more responsible assignments and has managed to provide overall direction and leadership for the preparation of cost estimates.

Technical Analyst I

Duties: Provides authoritative technical inputs to project/process system cost estimating/research tasks in the areas of (1) systems hardware design, process re-engineering, or manufacturing engineering, or (2) software design/development and other related tasks.

Minimum Requirements: BS/BA with major in engineering or computer science or equivalent. At least seven (7) years of professional experience in actual project/system design, or manufacturing engineering, or six years of software design/development: (1) at least three years of which involved computer technology systems/applications (e.g., software, command, control, and communications); or (2) at least two years of which involved decision support, management information, and database systems. Expert in technical field. An MS/MA will substitute for two years of the design, development, or manufacturing experience requirement.

Technical Analyst II

Duties: Provides authoritative technical inputs to project/process system cost estimating/research tasks in the areas of (1) systems hardware design, process re-engineering, or manufacturing engineering, or (2) software design/development and other related tasks.

Minimum Requirements: BS/BA with major in engineering or computer science or equivalent. At least five (5) years of professional experience in actual project/system design, or manufacturing engineering, or six years of software design/development: (1) at least three years of which involved computer technology systems/applications (e.g., software, command, control, and communications); or (2) at least two years of which involved decision support, management information, and database systems. Expert in technical field. An MS/MA will substitute for two years of the design, development, or manufacturing experience requirement.

Technical Specialist V

Duties: Works to perform detailed information search, correlation, interpretation of technical data and the preparation of technical documentation.

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Minimum Education: High School Diploma or equivalent required.

Minimum Experience: This position typically requires twelve (12) years of related experience.

Technical Specialist IV

Duties: Works to perform detailed information search, correlation, interpretation of technical data and the preparation of technical documentation.

Minimum Education: High School Diploma or equivalent required.

Minimum Experience: This position typically requires eight (8) years of related experience.

Technical Specialist III

Duties: Works to perform detailed information search, correlation, interpretation of technical data and the preparation of technical documentation.

Minimum Education: High School Diploma or equivalent required.

Minimum Experience: This position typically requires five (5) years of related experience.

Technical Specialist II

Duties: Works to perform detailed information search, correlation, interpretation of technical data and the preparation of technical documentation.

Minimum Education: High School Diploma or equivalent required.

Minimum Experience: This position typically requires two (2) years of related experience.

Technical Specialist I

Duties: Works to perform detailed information search, correlation, interpretation of technical data and the preparation of technical documentation.

Minimum Education: High School Diploma or equivalent required.

Minimum Experience: This position typically requires zero (0) years of related experience.

Sr. Application Engineer

Duties: Individual needs to have eight years recent experience in engineering analysis with a minimum of four (4) years recent analytical experience in estimating life cycle cost of state of the art weapon system/subsystem components. Individual requires experience in developing cost estimates based on weapon system and subsystem technical and performance characteristics, as well as knowledge of state of the art design and manufacturing processes required to produce these systems and subsystems. Position also requires experience in developing cost estimating relationships using technical and performance attributes as a basis for estimating labor and material costs of systems and subsystems/components. Experience in defining weapons system programmatic and technical requirements related to system development, production, and operation and support, is also required as well as experience in performing life cycle cost trade-off analysis. Four additional years of related cost analysis experience may be substituted for the degree requirement.

Minimum Requirements: Minimum educational requirement is a bachelor's degree from an accredited college or university in engineering, mathematics, statistics, or business which includes at least 24 semester credit hours in any combination of the following: operations research mathematics, statistics, mathematical logic, science, and subject matter courses which require substantial competence in college level mathematics or statistics.

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Information Specialist

Duties: Requires the individual to have a minimum of four (4) years of recent experience in the development of cost models, databases and corresponding documentation, including computer program users' manuals. The position requires training and experience in computer programming and operations analysis in order to perform equation and logic coding in a minimum of FORTRAN, C and Lotus Command languages. Working knowledge of VAX and MS DOS systems is required. Also requires experience of the concepts and tools relating to computer science applications in cost analysis such as: uni and multi-variate statistical and regression analysis, learning curve analysis, computer graphics, cost accounting, direct and indirect costs, development of escalation indices, development of cost estimating relationships, development of large file structures for data manipulation, data base management systems, and structured programming.

Minimum Requirements: Minimum educational requirement is a bachelor's degree from an accredited college or university in computer science or a computer related field, with emphasis on applying analytical and statistical techniques within a computer discipline.

Logistics Engineer I

Duties: Performs a variety of engineering tasks which are broad in nature and are concerned with the logistic support and operation of systems, including personnel, hardware, software, and support facilities and/or equipment. Performs with some latitude for under review actions and decisions. Plans and performs engineering research, design development, manufacturing initiatives, system implementation and deployment, and other assignments in conformance with design, engineering and customer specifications. Responsible for the logistics technical/engineering part of a major project or the entire project of lesser complexity and importance.

Minimum Requirements: Minimum educational requirement is a bachelor's degree or equivalent and seven (7) years of general experience.

Logistics Engineer II

Duties: Under supervision performs a variety of engineering tasks which are concerned with the logistic support and operation of systems, including personnel, hardware, software, and support facilities and/or equipment. Performs with some latitude for under review actions and decisions. Plans and performs engineering research, design development, manufacturing initiatives, system implementation and deployment, and other assignments in conformance with design, engineering and customer specifications. Supports the logistics technical/engineering part of projects. Coordinates the activities of Engineers and Technicians assigned to specific engineering projects.

Minimum Requirements: Minimum educational requirement is a bachelor's degree or equivalent and five (5) years of general experience.

Logistics Engineer III

Duties: Under supervision performs a variety of engineering tasks which are broad in nature and are concerned with the logistic support and operation of systems, including personnel, hardware, software, and support facilities and/or equipment. Supports engineering research and analysis.

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Minimum Requirements: Minimum educational requirement is a bachelor's degree or equivalent and two (2) years of general experience.

Analyst/Logistician/Specialist V

Duties: Manages complex projects and coordination between management, project team members and administrative support staff. Identifies nature and scope of processes that can be automated and/or realigned, makes recommendations, develops alternative solutions, and implements best process improvements. Supervise, advise, and mentor less experienced staff. Has demonstrated proficiency in writing and verbal presentation skills and in the mastery of computer software and hardware common to the technical field or specialization.

Minimum Education: Bachelor's Degree or equivalent related experience.

Minimum Experience: This position typically requires twelve (12) years of related experience.

Analyst/Logistician/Specialist IV

Duties: Responsible for formulation of the opinions, decisions and ultimate performance of the task specified in the statement of work contained in the task order. This labor category requires experience and the ability to perform detailed and complex calculations plus knowledge of practices/principles necessary to assess advanced systems concepts, assess specifications and perform system integration.

Minimum Education: Bachelor's Degree or equivalent related experience.

Minimum Experience: This position typically requires eight (8) years of related experience.

Analyst/Logistician/Specialist III

Duties: Analyzes problems, gathers pertinent data, and recommends solutions. Identifies nature and scope of processes that can be automated and/or realigned and makes recommendations. Prepares written reports of work and provides work instruction to junior staff. Has demonstrated proficiency in computer software and hardware common to the technical field or specialization.

Minimum Education: Bachelor's Degree or equivalent related experience.

Minimum Experience: This position typically requires five (5) years of related experience.

Analyst/Logistician/Specialist II

Duties: Works with an interdisciplinary team in the formulation of the opinions, decisions and ultimate performance of the task specified in the statement of work contained in the task order. This labor category requires experience and the ability to perform detailed calculations plus knowledge of practices/principles necessary to assess system and subsystem concepts, assess specifications and perform system integration.

Minimum Education: Bachelor's Degree or equivalent related experience.

Minimum Experience: This position typically requires two (2) years of related experience.

Analyst/Logistician/Specialist I

Duties: Supports project teams in the formulation of the opinions, decisions and ultimate performance of the task specified in the statement of work contained in the task order.

Minimum Education: Bachelor's Degree or equivalent related experience.

Minimum Experience: This position requires no experience.

Operations Research Specialist I

Duties: Provides expertise and leads the conduct of operations research or other complex operational systems analysis. Provides expertise and supports the conduct of the full range of investment analysis activities including market survey, cost analysis, benefits analysis, risk analysis, economic analysis, requirements definition schedule development, and tradeoff studies. Provides operational analysis support to all Life Cycle acquisition phase. Conducts operational analysis of existing systems using subsystem performance measures, criteria and standards to determine requirements for needed changes. Evaluates, selects, and uses the tools of modern operations research.

Minimum Requirements: Requires experience in conducting quantitative analysis using the operations research tools, economics, and other quantitative techniques. Masters Degree and eight (8) years of experience or Bachelors Degree and ten (10) years of experience in operations research. Masters or a Bachelors Degree in a related field with at least 24 semester hours in a combination of operations research, mathematics, quantitative analysis, statistics, or subject-matter courses requiring substantial competence in college-level mathematics. Must demonstrate competence in the rigorous methods of scientific inquiry and analysis.

Operations Research Specialist II

Duties: Completes the conduct of operations research or other complex operational systems analysis. Provides expertise and completes the conduct of the full range of investment analysis activities including market survey, cost analysis, benefits analysis, risk analysis, economic analysis, requirements definition schedule development, and tradeoff studies. Provides operational analysis support to all Life Cycle acquisition phase. Conducts operational analysis of existing systems using subsystem performance measures, criteria and standards to determine requirements for needed changes. Evaluates, selects, and uses the tools of modern operations research.

Minimum Requirements: Requires experience in conducting quantitative analysis using the operations research tools, economics, and other quantitative techniques. Masters Degree and 4 years of experience or Bachelors Degree and 6 years of experience in operations research. Masters or a Bachelors Degree in a related field with at least 24 semester hours in a combination of operations research, mathematics, quantitative analysis, statistics, or subject-matter courses requiring substantial competence in college-level mathematics. Must demonstrate competence in the rigorous methods of scientific inquiry and analysis.

Operations Research Specialist III

Duties: Supports the conduct of operations research or other complex operational systems analysis. Supports the conduct of the full range of investment analysis activities including market survey, cost analysis, benefits analysis, risk analysis, economic analysis, requirements definition schedule development, and tradeoff studies. Provides operational analysis support to all Life Cycle acquisition phase. Conducts operational analysis of existing systems using subsystem performance measures, criteria and standards to determine requirements for needed changes. Evaluates, selects, and uses the tools of modern operations research.

Minimum Requirements: Requires experience in conducting quantitative analysis using the operations research tools, economics, and other quantitative techniques. Masters Degree and two (2) years of experience or Bachelors Degree and at least four (4) years of experience in operations. Masters or a Bachelors Degree in a related field with at least 24 semester hours in a

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combination of operations research, mathematics, quantitative analysis, statistics, or subject-matter courses requiring substantial competence in college-level mathematics. Must demonstrate competence in the rigorous methods of scientific inquiry and analysis.

Project Director I

Duties: Provides business, technical, and personnel management across multiple projects. Manages all aspects of a diverse group of functional activities and subordinate groups of technical and administrative personnel. Develops and implements high level requirements.

Minimum Requirements: BS/BA Degree. Master Degree desired. At least fifteen (15) years minimum experience. Education may be substituted for experience: Master: three (3) years, PHD: five (5) years.

Project Director II

Duties: Provides business, technical, and personnel management across multiple projects. Manages all aspects of a diverse group of functional activities and subordinate groups of technical and administrative personnel. Develops and implements high level requirements.

Minimum Requirements: BS/BA Degree. Master Degree desired. At least twelve (12) years minimum experience. Education may be substituted for experience: Master: 3 years, PHD: 5 years.

Project Manager

Duties: Effective and timely customer communications and coordination of project activities including front-end team organization, assistance in providing methodology and general project approaches/concepts, schedule and cost management of the project, technical reviews of in-process and completed products.

Minimum Requirements: BS/BA Degree with at least ten (10) yrs of system acquisition experience. At least seven (7) of the ten (10) years must be high technology or information system acquisition. Demonstrate progressively more responsible assignments.

Sr. Cost Engineer (PM)

Duties: Demonstrate the ability to plan, organize, and direct the efforts of a group of analysts. Must have the ability to advise on and perform professional or technical work in cost estimating, cost analysis, budgeting, scheduling, performance measurement, and/or cost research. Must possess substantial knowledge of the techniques, uses and content of the work described above to accomplish the most complex of efforts. This encompasses a basic knowledge of statistical techniques, scheduling techniques, network analysis, applied mathematics, economics and the engineering disciplines.

Minimum Requirements: Must have, as a minimum, a Bachelor's Degree in Business Engineering, Science (Physics or Chemistry only) or Mathematics with eight (8) years of cost estimating, scheduling, budgeting, cost analysis, operations research or engineering experience, at least four of which involved military equipment. Two years of the experience must have been in a leadership/management role. An advanced business, math, science (physics or chemistry only), or engineering degree may substitute for two years of the experience requirements. If the Bachelor's degree is in a field not listed, two (2) additional years of direct experience may be substituted.

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Quality Control Specialist

Duties: Must be capable of maintaining and establishing a process for evaluation of functional requirements and associated documentation. Must be able to determine the resources required for quality control. Must be able to maintain the level of quality throughout the life cycle of the project. Develops quality assurance plans and conducts formal and informal reviews at predetermined points throughout the development life cycle.

Minimum Requirements: BA/BS Degree with at least six (6) yrs of experience in quality assurance and quality control or related discipline. At least three (3) years experience should be in verification and validation, testing and integration, and metrics, and their application to quality assurance.

Statistician

Duties: Provides expert statistical analysis in support of strategic planning for high technology programs, concept development and requirements analysis, or acquisition and life-cycle management services tasks.

Minimum Requirements: BS/BA in statistics. At least five (5) years of professional experience providing statistical analysis support related to aerospace, electronic, or mechanical systems and to strategic planning for high technology programs, concept development and requirements analysis, or acquisition and life-cycle management services tasks. Expert in field of predictive statistics. An MS/MA will substitute for two (2) years of the statistical analysis support experience requirement.

Writer

Duties: Write technical materials and manuals. Works with others to document complete and accurate systems descriptions and required operating procedures are properly captured. Write documentation, operator manuals, and checklist procedures for hardware and software systems. Ensures that technical subject materials are presented clearly and succinctly.

Minimum Requirements: Two (2) years of experience working with technical writing, documentation development, including indexing, cataloging, processing and abstracting cost, schedule, or technical information. Good oral skills, excellent writing skills, and team skills are required. Experience and fluency in standard office software, including MSWord and MSOffice is required.

Education and Experience Equivalency

The following table provides the equivalent years of experience to education.

Education - Degree	Experience - Years
PhD (Doctorate)	8
MA/MS	6
BA/BS	4
AA/AS	2