AUTHORIZED GSA INFORMATION TECHNOLOGY SCHEDULE PRICE LIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT,
SOFTWARE AND SERVICES

SIN OLM – ORDER LEVEL MATERIALS

SIN 54151S - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES
FPDS Code D302 IT Systems Development Services
FPDS Code D306 IT Systems Analysis Services
FPDS Code D307 Automated Information Systems Design and Integration Services
FPDS Code D308 Programming Services
FPDS Code D313 Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
FPDS Code D317 Creation/Retrieval of IT Related Automated News Services, Data Services, or Other Information Services (All other information services belong under Schedule 76)
FPDS Code D399 Other Information Technology Services, Not Elsewhere Classified

Note 1: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

Note 2: Offerors and Agencies are advised that the Group 70 – Information Technology Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

Note 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performance by the publisher or manufacturer or one of their authorized agents.

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CONTRACTOR’S ADMISTRATION SOURCE: Vivian A. Bert, Senior Contracts Manager
BUSINESS SIZE/TYPE: Small Business/Small Disadvantaged Business


General Services Administration
Federal Acquisition Service
Pricelist current through Modification #PS-A812, dated 02/19/2020
CUSTOMER INFORMATION:

1a. TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs): SIN

<table>
<thead>
<tr>
<th>SIN #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151S</td>
<td>Professional Information Technology Services</td>
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<tr>
<td>OLM</td>
<td>Order Level Materials</td>
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</tbody>
</table>

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply. - N/A

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item. See TERMS AND CONDITIONS applicable to IT PROFESSIONAL SERVICES (SIN 54151S)

2. MAXIMUM ORDER: SIN 54151S - $500,000

3. MINIMUM ORDER: $100 unless the contractor agrees to accept a smaller order amount.

4. GEOGRAPHIC COVERAGE: CONUS, AK, HI, PR

5. POINT(S) OF PRODUCTION: same as contractor

6. BASIC DISCOUNT: Prices shown herein are net

7. QUANTITY DISCOUNT(S): None

8. PROMPT PAYMENT TERMS: No prompt payment discount, Net 30 days

9a. ACCEPTANCE OF GOVERNMENT PURCHASE CARD UP TO AGENCY'S LIMIT OR THE MICRO-PURCHASE THRESHOLD AMOUNT OF $3,000, WHICHEVER IS GREATER

9b. PURCHASE CARDS ACCEPTED UP TO AGENCY'S LIMIT AND FOR OVER THE MICRO- PURCHASE THRESHOLD AMOUNT OF $3,000.
10. FOREIGN ITEMS: None

11a. TIME OF DELIVERY: 30 days ARO and/or at Task Order Level

11b. EXPEDITED DELIVERY: Call

11c. OVERNIGHT AND 2-DAY DELIVERY: Not applicable

12. FOB POINT: Destination

13. ORDERING ADDRESS: Same as contractor

14. PAYMENT ADDRESS: Same as contractor

15. WARRANTY PROVISIONS: Not applicable

16. EXPORT PACKING CHARGES: Not applicable

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE: Contractor will accept Government Purchase Card for orders of $3,000 or less. Contact contractor for acceptance of larger orders.

18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (IF APPLICABLE): N/A

19. TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE): N/A

20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM PRICE LIST PRICES (IF AVAILABLE): N/A

20a. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE): See TERMS AND CONDITIONS applicable to IT PROFESSIONAL SERVICES (SIN 54151S)

21. LIST OF SERVICE AND DISTRIBUTION POINTS (IF APPLICABLE): N/A

22. LIST OF PARTICIPATING DEALERS (IF APPLICABLE): N/A

23. PREVENTIVE MAINTENANCE (IF APPLICABLE): N/A
24. SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. RECYCLED CONTACT, ENERGY EFFICIENCY, AND/OR REDUCED POLLUTANTS): N/A

25. DATA UNIVERSAL NUMBER SYSTEMS (DUNS) NUMBER: 604172473

26. NOTIFICATION REGARDING REGISTRATION IN CENTRAL CONTRACTOR REGISTRATION: CCR registration is accurate and current in SAM
1. **SCOPE**

a. The prices, terms and conditions stated under Special Item Number 54151S Information Technology Professional Services apply exclusively to IT Services within the scope of this Multiple Award Schedule.
b. The Contractor shall provide services at the Contractor’s facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. **PERFORMANCE INCENTIVES**

a. Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract in accordance with this clause.
b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
c. Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity’s mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. **ORDER**

a. Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made, and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. **PERFORMANCE OF SERVICES**

a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
b. The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d. Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. **STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)**

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

   (1) Cancel the stop-work order; or

   (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

   (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and

   (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. **INSPECTION OF SERVICES**

   The Inspection of Services–Fixed Price (AUG 1996) (Deviation – May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection–Time-and-Materials and Labor-Hour (JAN 1986) (Deviation – May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

7. **RESPONSIBILITIES OF THE CONTRACTOR**

   The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Deviation – May 2003) Rights in Data – General, may apply.

8. **RESPONSIBILITIES OF THE ORDERING ACTIVITY**

   Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite IT Services.

9. **INDEPENDENT CONTRACTOR**

   All IT Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. **ORGANIZATIONAL CONFLICTS OF INTEREST**

   a. **Definitions.**
   
   “Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.
   
   “Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.
   
   An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor’s or its affiliates’ objectivity in performing contract work.
b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31 (Feb 2007) Time- and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

(a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
(b) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
   (1) The offeror
   (2) Subcontractors; and/or
   (3) Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.
14. **INCIDENTAL SUPPORT COSTS**
Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. **APPROVAL OF SUBCONTRACTS**
The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.
LABOR CATEGORY DESCRIPTIONS  
(**SCA Labor Categories)

1. Title: Business Analyst I

**Functional Duties/Responsibilities:** Prepares and conducts business analyses and studies, needs assessments, requirements analysis/definition and cost/benefit analyses in an effort to align business systems, solutions and initiatives. Prepares forecasts and analyzes trends, reporting regulations and business conditions. Develops and analyzes metrics, performance measurements, requirements, reports and recommendations related to management, organizational structure, policy/procedures and business systems. Identifies potential business risks. Areas of focus include but are not limited to business performance, business and economic case analysis, internal control and enterprise risk assessment.

**Minimum Education:** A Bachelor’s degree is preferred.

**Minimum Experience Requirements:** 6 months (includes internships) up to 2 years of experience

**Required/Supplemental Certifications:** NA

2. Title: Business Analyst II

**Functional Duties/Responsibilities:** Prepares and conducts business analyses and studies, needs assessments, requirements analysis/definition and cost/benefit analyses in an effort to align business systems, solutions and initiatives. Prepares forecasts and analyzes trends, reporting regulations and business conditions. Develops and analyzes metrics, performance measurements, requirements, reports and recommendations related to management, organizational structure, policy/procedures and business systems. Identifies potential business risks. Areas of focus include but are not limited to business performance, business and economic case analysis, internal control and enterprise risk assessment.

**Minimum Education:** A Bachelor’s degree is preferred.

**Minimum Experience Requirements:** One to four (1-4) years of experience.

**Required/Supplemental Certifications:** NA
3. **Title:** Business Intelligence Expert

**Functional Duties/Responsibilities:** BI will be required to hold responsibility for the collaboration with end users to identify requirements and opportunities for improved data management and delivery of services to internal users, to clients and to third parties. Assisting in the on-going development and operations of a business intelligence architecture that enables fact-based decision making and ad hoc analysis and insight generation. Grounding in database system design, preferably MS SQL Server; able to specify data formats and structures, perform straightforward queries and data manipulation

**Minimum Education:** Bachelors or Masters in any field with a strong quantitative component.

**Minimum Experience Requirements:** 5+ years of experience as a business analyst and/or data warehousing professional. 3+ years of experience with enterprise business intelligence tools. Experience training end users in BI tools or a similar application. Subject matter knowledge in marketing, sales, finance, and/or operations metrics. Solid knowledge of SQL and relational and dimensional modeling. Strong problem solving and data modeling skills

**Required/Supplemental Certifications:** NA

4. **Title:** Data Architect

**Functional Duties/Responsibilities:** Specialized experience includes: supervision of system architects, use of structured analysis, design methodologies and design tools, object oriented principles, and experience with the logical and physical functional, operational and technical architecture of large and complex information systems. Provides technical, managerial, and administrative direction for problem definition, analysis, requirements development and implementation for complex to extremely complex systems in the subject matter area. Makes recommendations and advises on organization-wide systems improvements, optimization or maintenance efforts.

**Minimum Education:** BA or equivalent experience.

**Minimum Experience Requirements:** 5 years experience

**Required/Supplemental Certifications:** N/A

5. **Title:** Database Administrator

**Functional Duties/Responsibilities:** Performs administration, operation and engineering changes of existing functional database applications; including software applications, database
upgrades and data recovery. Ensures that the applications have ease of use accuracy and adherence to security requirements and timeliness.

Minimum Education: MSEE or MSCS or equivalent experience.

**Minimum Experience Requirements:** Experience with a variety of software design and development tools

**Required/Supplemental Certifications:** N/A

6. **Title:** Functional Analyst

**Functional Duties/Responsibilities:** Possesses knowledge in designated field or discipline. Supports assessments of organization’s challenges using specializes skills and knowledge. Contributes to the execution of project or task plan and helps assess the impact of industry trends, policy or standard methodologies. Conducts activities in support of the project team’s objectives. Works closed with senior Specialists or Task Leads.

**Minimum Education:** A Bachelor’s degree is preferred.

**Minimum Experience Requirements:** Minimum of six (6) years experience

**Required/Supplemental Certifications:** NA

7. **Title:** Internet/Intranet QA

**Functional Duties/Responsibilities:** Must be able to translate applications requirements into the design of complex web sites, including integrating web pages and applications. Must be able to apply new and emerging technologies to the development process.

**Minimum Education:** A Bachelor's Degree with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline or three (3) years of equivalent experience in a related field. Masters preferred.

**Minimum Experience Requirements:** Must have one (1) year of web development experience using current Web development and graphic tools, as well as, Web server and database administration.

**Required/Supplemental Certifications:** At least one (3) year of experience designing, developing and deploying Web sites and/or Web applications, including product selection, configuration, installation, maintenance, and site policy development. Experience developing
Web pages using HTML, scripting languages, platform specific web development languages and relational databases.

8. **Title: Internet/Intranet Site Developer**

**Functional Duties/Responsibilities:** Must be able to translate applications requirements into the design of complex web sites, including integrating web pages and applications. Must be able to apply new and emerging technologies to the development process.

**Minimum Education:** A Bachelor's Degree with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline or three (3) years of equivalent experience in a related field.

**Minimum Experience Requirements:** Must have one (1) year of web development experience using current Web development and graphic tools, as well as, Web server and database administration.

**Required/Supplemental Certifications:** At least one (1) year of experience designing, developing and deploying Web sites and/or Web applications, including product selection, configuration, installation, maintenance, and site policy development. Experience developing Web pages using HTML, scripting languages, platform specific web development languages and relational databases.

9. **Title: Internet/Intranet Site Developer Senior**

**Functional Duties/Responsibilities:** Must be able to translate applications requirements into the design of complex web sites, including integrating web pages and applications. Must be able to apply new and emerging technologies to the development process.

**Minimum Education:** A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline or three (3) years of equivalent experience in a related field.

**Minimum Experience Requirements:** Must have five (5) years of web development experience using current Web development and graphic tools, as well as, Web server and database administration.

**Required/Supplemental Certifications:** At least three (3) years of experience designing, developing and deploying Web sites and/or Web applications, including product selection, configuration, installation, maintenance, and site specific Web development languages and relational databases.
10. **Title: Project Manager IV**

**Functional Duties/Responsibilities:** Senior team member, responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes complex projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions.

**Minimum Education:** Bachelor’s Degree from an accredited college or university in Engineering, Computer Science, Information Systems, Business or other related discipline.

**Minimum Experience Requirements:** At least Eight (8) years of experience in IT project management.

**Required/Supplemental Certifications:** Current certification as PMI Project Management Professional (PMP)

11. **Title: Project Manager III**

**Functional Duties/Responsibilities:** Senior team member, responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes medium-sized projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions.

**Minimum Education:** Bachelor’s Degree from an accredited college or university in Engineering, Computer Science, Information Systems, Business or other related discipline.

**Minimum Experience Requirements:** Five (5) years of experience in IT project management.

**Required/Supplemental Certifications:** Current certification as PMI Project Management Professional (PMP)
12. **Title: Project Manager II**

**Functional Duties/Responsibilities:** Responsible for all aspects of the development and implementation of assigned projects and acts as a single point of contact for those projects. Takes small to medium-sized projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions.

**Minimum Education:** Bachelor’s Degree from an accredited college or university in Engineering, Computer Science, Information Systems, Business or other related discipline.

**Minimum Experience Requirements:** Three (3) years of experience in IT project management.

**Required/Supplemental Certifications:** Current certification as PMI Project Management Professional (PMP)

13. **Title: Project Manager**

**Functional Duties/Responsibilities:** Leads small to medium-sized projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team.

**Minimum Education:** Associates Degree from an accredited college or university in Engineering, Computer Science, Information Systems, Business or other related discipline.

**Minimum Experience Requirements:** At least three (3) years of experience in IT project management.

**Required/Supplemental Certifications:** None
14.  Title: Senior QA Tester

**Functional Duties/Responsibilities:** Must be able to determine the resources required for quality control. Must be able to maintain the level of quality throughout the software life cycle. Develops software quality assurance plans. Must be capable of maintaining and establishing a process for evaluating software and associated documentation. Participates in formal and informal reviews at predetermined points throughout the development life cycle to determine quality. Examines and evaluates the software quality assurance (SQA) process and recommends enhancements and modifications. Develops quality standards.

**Minimum Education:** A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

**Minimum Experience Requirements:** At least five (5) years of experience in verification and validation, software testing and integration, software metrics, and their application to software quality assessment, and a demonstrated knowledge of system and project life cycles.

15.  Title: QA Tester**

**Functional Duties/Responsibilities:** Must be able to determine the resources required for quality control. Must be able to maintain the level of quality throughout the software life cycle. Develops software quality assurance plans. Must be capable of maintaining and establishing a process for evaluating software and associated documentation. Participates in formal and informal reviews at predetermined points throughout the development life cycle to determine quality.

**Minimum Education:** An Associates Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

**Minimum Experience Requirements:** At least three (3) years of experience in verification and validation, software testing and integration, software metrics, and their application to software quality assessment, and a demonstrated knowledge of system and project life cycles.

16.  Title: Senior Advisor

**Functional Duties/Responsibilities:** Senior executive responsible for providing strategic direction, vision, leadership, and program management to the team. Contributes to organizational direction through regular involvement with senior level client leadership and team
members. Maintains productive and effective client relationship with the most senior levels of
the client organization.

Minimum Education: Master’s degree preferred.

Minimum Experience Requirements: Minimum of 14 years of experience.

Required/Supplemental Certifications: N/A

17. Title: Senior Database Management Specialist

Functional Duties/Responsibilities: Provides database support and manages the administration
database. Performs database analysis and provides the design, maintenance and implementation support for the systems with a database. Establishes policies and procedures related to data security and integrity and monitors and limits database access as needed. Prepares and reviews logical and physical design of existing databases and makes recommendations for modifications to ensure optimum operation efficiency. Monitors the operational databases for the purpose of identifying problems of database availability, efficiency, validity and security.

Minimum Education: BA/BS in Computer Science or 8-10 years of experience in DBMS system analysis and programming.

Minimum Experience Requirements: Experience with the software tools listed in Appendix C, CAERS IT Support, Technologies and Development Tools

Required/Supplemental Certifications:

18. Title: Software Systems Engineer


Minimum Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline or three (3) years of equivalent experience in a related field.

Minimum Experience Requirements: Must have three (3) years of experience as a software engineer.
Required/Supplemental Certifications: At least two (2) years of experience working with Ada, SQL, or third/fourth generation languages in the design and implementation of systems and one (1) year working with DBMS:

19. Title: Solution Architect

Functional Duties/Responsibilities: Expert authority in discipline that applies advanced concepts, theories, and principles and contributes toward the development of new principles and concepts; works unusually complex problems with consultative direction; erroneous decisions would normally result in failure to achieve goals critical to major organizational objectives and damage the image of the organization’s technological capability; advises top management and customers on advanced technical research studies and applications; managerial/leadership experience or necessary skills.

Minimum Education: BA/BS degree or higher in Information Systems, Computer Science, Engineering, Business, or related field.

Minimum Experience Requirements: Twelve (12) years of experience

Required/Supplemental Certifications: NA

20. Title: Systems Engineer

Functional Duties/Responsibilities: Must be capable of analyzing information requirements. Evaluates system problems of workflow, organization, and planning. Develops appropriate corrective action.

Minimum Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline or three (3) years of equivalent experience in a related field.

Minimum Experience Requirements: Must have three (3) years of experience in systems engineering.

Specialized Experience: At least one (1) year of experience in demonstrated use of interactive, interpretative systems with on-line, real-time acquisition capabilities.

21. Title: Technical Architect

Functional Duties/Responsibilities: Provides expertise in the most current principles and practices of architecture data management systems and experience in large system designs, and with data modeling in the information management arena. Provides expertise in modeling and
organizing information to facilitate support of projects or information architectures. Provides guidance on how and what to data and process model. Primarily deals with transition planning from legacy to modern systems by concentrating on information flows, data exchange, and data translation standardization services.

**Minimum Experience Requirements:** Bachelor’s Degree from an accredited college or university with a major in Engineering, Computer Science, Mathematics or a related field. Master’s degree preferred.

**Specialized Experience:** At least five (5) years of the required ten (10) years of experience must be in the direct supervision and management of major projects that involve providing professional support services and/or the integration, implementation and transition of large complex system and subsystem architectures. Must have led or been chief architect in major IT implementation efforts. Must demonstrate a broad understanding of client IT environmental issues and solutions and be a recognized expert within the IT industry. Must demonstrate advanced abilities to team and mentor and possess demonstrated excellence in written and verbal communication skills

**22. Title: Technical Writer I**

**Functional Duties/Responsibilities:** Assists in collecting and organizing information for preparation of user manuals, training materials, installation guides, proposals, newsletters, promotional publications, articles for publication, and reports. Edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents. Assists in performing administrative functions. Must demonstrate the ability to work independently or under only general direction.

**Minimum Education:** Bachelor’s degree or equivalent.

**Minimum Experience Requirements:** Two years of experience performing technical writing, research, and editing functions. Knowledge of contemporary word processing and publishing applications.

**Required/Supplemental Certifications:** NA

**23. Title: Technical Writer II**

**Functional Duties/Responsibilities:** Assists in collecting and organizing information for preparation of user manuals, training materials, installation guides, proposals, newsletters, promotional publications, articles for publication, and reports. Edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and
documents. Assists in performing administrative functions. Must demonstrate the ability to work independently or under only general direction.

**Minimum Education:** Bachelor’s degree or equivalent.

**Minimum Experience Requirements:** Four years of experience performing technical writing, research, and editing functions. Knowledge of contemporary word processing and publishing applications.

**Required/Supplemental Certifications:** NA

**24. Title: Technical Writer/Editor**

**Functional Duties/Responsibilities:** Assists in collecting and organizing information for preparation of user manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. For applications built to run in a Windows environment, uses the standard help compiler to prepare all on-line documentation. Assists in performing financial and administrative functions. Must demonstrate the ability to work independently or under only general direction.

**Minimum Education:** Associate’s Degree in related field. A Bachelor’s degree is preferred

**Minimum Experience Requirements:** A minimum of five (5) years of experience in this area

**Required/Supplemental Certifications:** At least two (2) years of experience in preparing and editing documents, including technical documents. Also includes researching for applicable standards.
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