



**General Services Administration
Federal Acquisition Service
Authorized Federal Supply Schedule Price List**

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu-driven database system. The INTERNET address GSA Advantage!® is: <https://GSAAdvantage.gov>.

Multiple Award Schedule – MAS

54151S (SIN 132-51) - IT Professional Services
54151HEAL (SIN 54151HEAL) – Health IT Services

FSC/PSC Codes:

- D301 IT Facility Operation and Maintenance
- D302 IT Systems Development Services
- D306 IT Systems Analysis Services
- D307 Automated Information Systems Design and Integration Services
- D308 Programming Services
- D310 IT Backup and Security Services
- D311 IT Data Conversion Services
- D313 Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) Services
- D316 IT Network Management Services
- D317 Automated News Services, Data Services, or Other Information Services
- D399 Other Information Technology Services, Not Elsewhere Classified

Contract number: **GS-35F-0477S**

Contract period: **June 22, 2021 to June 21, 2026** (*Available options through June 21, 2031*)

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at [GSA.gov](https://www.gsa.gov).

For more information, please contact:

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Contract Administrator: Joseph Webb
Phone: 571-340-3502
Email: gsa@cpscorp.com
Website: <https://www.cpscorp.com>
Business Size: Small Business, SDB, WOSB, EDWOSB



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1 COMPANY INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

| Special Item Number (SIN) | Formerly SIN | Description | Description Page(s) |
|---------------------------|--------------|--|---------------------|
| 54151S | 132-51 | Information Technology Professional Services | 15-43 |
| 54151HEAL | 132-51 | Professional Healthcare Services | 43-45 |

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 pages 27-50 and 50-53.

2. Maximum order:

SINs: 54151S/STLOC, 54151HEAL: \$500,000.00 SIN:

3. Minimum order:

SINs: 54151S/STLOC, 54151HEAL: \$100

Geographic coverage (delivery area):

Domestic and Overseas Delivery 5.

Point(s) of production (city, county, and

State or foreign country): US

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: 0% - Net 30. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions

9a. Government Purchase cards **are accepted** at or below the micro-purchase threshold.

9b. Government Purchase cards **are not accepted** above the micro-purchase threshold.

10. Foreign items (list items by country of origin): N/A

11a. Time of delivery: Negotiated on a Task Order Basis

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: Please note the Urgent Requirements clause of this contract and contact Contractor

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

13a. Ordering address(es).

CPS IT Solutions, LLC
919 East Main Street #1000
Richmond, VA 23219
Attn : Joseph Webb, 703 675-4827

13b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. Payment address(es).

CPS IT Solutions, LLC
919 East Main Street #1000
Richmond, VA 23219
Bank account information for ACH or EFT payments will be shown on the invoice

15. Warranty provision: N/A

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

17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level): Government purchase cards are not accepted for payment above the micro-purchase threshold

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

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

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

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

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

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

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

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants): N/A

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/. Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services; full details can be found at www.cpscorp.com

25. UEI: LL4RNMWLKMQ8

26. CPS IT Solutions, LLC is registered in the System for Award Management (SAM) Database.

2 SPECIAL NOTICE TO AGENCIES

USA Commitment to Promote Small Business Participation Procurement Programs

CPS IT Solutions provides commercial services to ordering activities. We are committed to promoting participation of small, small disadvantaged, women-owned, HUB Zone and veteran owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor protégé programs, joint ventures, teaming arrangements, and subcontracting.

Commitment

- To actively seek and partner with small businesses.
- To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.
- To develop and promote company policy initiatives that demonstrates our support for awarding contracts and subcontracts to small business concerns.
- To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.
- To ensure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged and women-owned small businesses.
- To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.
- To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts.

Small Business Participation

SBA strongly supports the participation of small business concerns in the Federal Acquisition Service. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micro-purchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!® on-line shopping service (www.gsaadvantage.gov). The catalogs/ pricelists, GSA Advantage!® and the Federal Acquisition Service Home Page (www.gsa.gov/fas) contains information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micro-purchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

3 BLANKET PURCHASE AGREEMENT

**BEST VALUE
 BLANKET PURCHASE AGREEMENT
 FEDERAL SUPPLY SCHEDULE**

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and (Contractor) enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) _____.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Acquisition Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

| | | | |
|-------------------|------|------------|------|
| Ordering Activity | Date | Contractor | Date |
| BPA NUMBER | | | |
| _____ | | | |

**(CUSTOMER NAME)
 BLANKET PURCHASE AGREEMENT**

Pursuant to GSA Federal Supply Schedule Contract Number(s) _____, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

| | |
|--------------------------|--------------|
| MODEL NUMBER/PART NUMBER | *SPECIAL BPA |
| DISCOUNT/PRICE | |
| | |

| | |
|---------------|--------------------------|
| (2) Delivery: | |
| DESTINATION | DELIVERY SCHEDULES/DATES |
| | |

(3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

(4) This BPA does not obligate any funds.

(5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE

POINT OF CONTACT

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor

(b) Contract Number

(c) BPA Number

(d) Model Number or National Stock Number (NSN)

(e) Purchase Order Number

(f) Date of Purchase

(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information)

(h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

4 BASIC GUIDELINES FOR USING CONTRACTOR TEAM ARRANGEMENTS

BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to an ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract. Participation in a Team Arrangement is limited to Federal Acquisition Supply Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer’s needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.

5 SIN 54151S (132-51) TERMS AND CONDITIONS

TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 54151S)

5.1 SCOPE

- a. The prices, terms and conditions stated under Special Item Number 132-5 1 Information Technology Professional Services and Special Item Number 132-52 Electronic Commerce Services apply exclusively to IT/EC Services within the scope of this Information Technology 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.

5.2 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
- d. 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.

5.3 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.

5.4 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/EC Services must comply with

- e. 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.

5.5 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
- b. 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.
- c. If a stop-work order issued under this clause is canceled or the period of the order or any
- d. 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.
- e. If a stop-work order is not canceled and the work covered by the order is terminated for
- f. the convenience of the Government, the Contracting Officer shall allow reasonable costs
- g. resulting from the stop-work order in arriving at the termination settlement.
- h. If a stop-work order is not canceled and the work covered by the order is terminated
- i. for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

5.6 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

5.7 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.

5.8 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/EC Services.

5.9 INDEPENDENT CONTRACTOR

All IT/EC 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.

5.10 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.

5.11 INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT/EC 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.

5.12 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 52.232-7 (DEC 2002), (Alternate II– Feb 2002) (Deviation – May 2003) 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 52.232-7 (DEC 2002), (Alternate II–Feb 2002) (Deviation– May 2003)) applies to labor-hour orders placed under this contract.

5.13 RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

5.14 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.

5.15 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.

5.16 DESCRIPTION OF IT/EC SERVICES AND PRICING

CPS IT Solutions (formally Complete Professional Services, LLC.) (CPS) is a small business specializing in Information Technology and related services to Government and commercial customers. CPS's technical service capabilities span the entire spectrum of full lifecycle systems development and integration: from strategic planning; requirements and business analysis; designing, developing, integrating, installing, testing, and training; to operating and maintaining ADP systems. We offer specific business and technical expertise including business process reengineering; systems engineering; internet and intranet applications development; data engineering; network and telecommunications engineering; computer security, operations research, economic analysis and electronic data interchange support.

Our staff of educated and skilled employees is qualified to support a wide-range of functional areas that include personnel, finance, logistics, health, medical, acquisition, electronic commerce, and management. CPS delivers leading edge, high-quality, innovative solutions to complex technology challenge.

CPS's goal is to become a technology partner with its clients to provide robust, cost-effective systems that create business value and assist government managers in dealing with the challenges of increasing their organization's efficiency in the face of ever-shrinking budgets and manpower pools. We possess substantial technical expertise in all information technology areas applicable to both commercial and the government environments, and we employ top-notch professionals with a deep understanding and appreciation of how the government agencies operate.

5.16.1 CPS' PROVEN INFORMATION TECHNOLOGY SERVICES

CPS' service offerings include:

- BUSINESS PROCESS REDESIGN

- CONTINGENCY/DISASTER PLANNING
- DATABASE DEVELOPMENT
- DATA MINING
- E-GOVERNMENT
- ELECTRONIC CONTENT MANAGEMENT
- ENTERPRISE APPLICATION INTEGRATION
- ENTERPRISE SYSTEM MANAGEMENT
- INDEPENDENT VERIFICATION & VALIDATION/TESTING
- INFORMATION ASSURANCE
- INTERNET/INTRANET SERVICES
- KNOWLEDGE MANAGEMENT
- NETWORK INTEGRATION/OPERATIONS
- PROGRAM MANAGEMENT
- REQUIREMENTS ANALYSIS
- SOFTWARE DEVELOPMENT
- SYSTEMS INTEGRATION
- TRAINING
- CYBER SECURITY
- MOBILE APPLICATION TESTING
- SOFTWARE QUALITY ASSURANCE

5.16.1.1 BUSINESS PROCESS REDESIGN

Using the methodologies, tools, and techniques of business process redesign, CPS helps executives and managers systematically examine their business enterprises to identify and implement changes that can significantly improve performance, cost effectiveness, quality, and customer satisfaction. CPS specializes in redesign of legacy systems and processes into streamlined business operations supported by distributed open systems that provide improved workflow and performance.

Our professionals help to assess the existing business and its processes, identify value-adding and non-value-adding activities, evaluate improvements that streamline or eliminate activities, and design and implement enabling technology that is flexible and fully supportive of business operations. We provide our services within a methodological framework tailored to our client's needs. For example, we might conduct benchmarking and business case analysis to identify, document, and justify cost savings or investment cost, as well as other tangible benefits associated with prospective process redesigns. Then, using the techniques of change and change management, we help turn planned benefits into the reality of improved performance.

Our services include:

- Strategic planning
- Business process and data modeling
- Enterprise information technology assessment plans and risk management plans
- Dynamic business modeling (simulation)
- Data standardization

- Activity based costing and economic analysis
- Business case analysis
- Migration planning for technology upgrade
- Information technology capital planning and investment planning
- Benchmarking
- Performance measurement
- Change management

5.16.1.2 CONTINGENCY/DISASTER PLANNING

CPS helps government agencies and commercial clients prepare for, respond to, and recover from natural and technological disasters. We provide a full spectrum of solutions to events that could adversely affect operations - including planning, training, exercises, and automated support systems - to help our clients prepare for contingencies such as terrorist activities, natural disasters, national emergency situations, and "new world" threats such as cyber warfare. In each case, we work closely with our clients, incorporating their business expertise to make sure our services and solutions meet their specific requirements.

5.16.1.3 DATABASE DEVELOPMENT

Stores of data and information can be the most important assets of an enterprise. We increase the value of large-scale databases through our expertise in data modeling, database and data warehouse design and implementation, and database administration. Our systematic approach to database design and selection of the best database management software and tools is well-suited to small, centralized database applications as well as large, distributed or replicated database applications.

CPS has designed, built, and implemented major database systems for both government and commercial clients. We have extensive experience in the design and implementation of large, transaction-intensive applications that must meet customer requirements for performance and integrity. We maintain alliances with premier database product vendors to support our customers and our database professionals. Our highly skilled professionals have extensive experience in system design and development using Oracle, Sybase, DB2, SQL Server, and other state-of-the-art database systems.

5.16.1.4 DATA MINING

Data mining is the process of discovering previously unknown relationships in collections of structured data using machine learning as well as statistical and mathematical techniques. The process complements standard statistical analysis to reveal patterns in data that translate into actionable information. While data warehousing brings together the raw material for analysis, it is data mining that sorts through the data and uncovers the critical information you need for strategic decision-making.

Creating a data mining solution is the practical application of data mining. The solution may combine database management and storage, text mining tools to structure the data, commercial off-the-shelf data mining software tools, data visualization technology, and advanced data

analysis - all filtered through the lens of business and domain expertise. The best data mining solutions are defined by each client's unique organizational and technology environment. CPS helps clients turn their data - including the vast quantity now generated by electronic business - into actionable information. We provide complete data mining solutions, combining the best data mining tools and technologies with market specialized consulting services to find hidden patterns, relationships, trends, and behaviors in the data residing across your enterprise. If you are a government entity required to do "more with less" to achieve your mission, data mining can help you extract the intelligence from your data to make better decisions, manage your operation more effectively, and meet or exceed your goals.

5.16.15 E-GOVERNMENT

Electronic government (eGovernment) is more than just the automation of existing systems and practices. It involves developing long-term organizational and technological strategies aimed at providing better service to citizens and customers, reducing costs, ensuring privacy and security, and creating new ways of doing business. CPS is a leader in providing innovative services and solutions to help clients fundamentally change the way they work internally, interact with partners and suppliers, and deliver services to citizens and customers.

CPS's approach emphasizes the use of commercially proven products and practices, and reflects lessons learned and insights gained from previous client engagements. We offer clients technical services and customized solutions that address business goals while effectively leveraging existing information technology (IT) investments.

CPS provides federal government clients with the ability to interact effectively and accurately -- and at lower cost -- with their customers. We help clients automate all facets of communications, including e-mail, Web, chat, instant message and voice-over-Internet-Protocol (VoIP). Our high-performance communications and customer service solutions help government departments and agencies automate and manage communications workflow, response, and tracking.

We also furnish federal government clients with portal solutions that may allow them to reduce paperwork, take advantage of all of the resources on the Internet, and share information securely with their employees, contractors, and constituencies. CPS will deploy dynamic, personalized portal solutions for federal agencies, helping drive government initiatives to improve efficiency, develop more online content, and provide private sector levels of customer service.

5.16.16 ELECTRONIC CONTENT MANAGEMENT

Management of the entire lifecycle of both digital and physical content of a document requires the integration of document management, workflow management, records management, security management, and knowledge management. From creation, to use and reuse, to archive, information in published form in any media can be an enterprise's most important asset. CPS helps to increase the value of an organization's eContent, publishing and knowledge assets through expertise in electronic document and records management, multimedia processing, data and process modeling, database and data warehouse design and implementation, database administration, advanced search tools, and knowledge management solutions. Our systematic approach to Web, desktop, database, SGML, and XML publishing provides a controlled and consistent application of information workflow to ensure the maintenance of content integrity.

CPS has designed, built, and implemented content management systems for both government and commercial clients. We have extensive experience in the design and implementation of enterprise-wide architectures and applications that meet customer requirements for performance and integrity. We maintain alliances with premier content, document, records, and knowledge management product vendors. Our skilled professionals have extensive experience in business analysis, system design, and development, with emphasis on Web-based technologies.

5.16.1.7 ENTERPRISE APPLICATION INTEGRATION

Enterprise application integration is the process whereby disparate tools, off-the-shelf applications, and legacy systems are combined to address a specific enterprise-wide need - perhaps a new business process, or the consequences of a reorganization or merger. Such events typically stress existing IT systems, as well as the IT systems staff involved in the process. CPS's application integration practice deploys a team of developers and systems engineers skilled in the development of enterprise application solutions. We work with an organization's staff to implement a range of services that complement the IT resources of the client enterprise. We have proven experience in complex systems engineering, network design, and performance tuning for organizations of all sizes. CPS engineers can help design or improve the enterprise's infrastructure for use by the solution, optimize the use of existing system resources, and establish a robust migration plan to keep up with evolving application integration needs.

We can install and configure infrastructure components to help ensure the quick and stable deployment of the solution in the enterprise. CPS's engineering staff has the expertise to set up and customize processing nodes, resource file servers, configuration files, and databases to deliver a fully operational solution. We will handle the complexities of configuring the enterprise's distributed computing environment with industry-leading middleware products. CPS has experience in working with organizations to help automate manual business processes, and analyze and improve automated processes. We can help an organization select best-of-breed tools and applications to meet their business needs. We can also help identify candidate applications in the existing workflow and streamline organizational processes to improve the overall efficiency of an organization's business.

We can build templates for each of the existing business applications. Our systems integration experience helps ensure that commercial and niche applications are integrated effectively and can be easily upgraded without disturbing the overall process flow. We can also develop custom tasks to integrate legacy systems and data sources into an automated process flow.

We provide guidance and advice to the enterprise's IT staff in the integration of tools and applications. Our developers can recommend proven techniques for performing data translation and effectively implementing other common functions.

5.16.1.8 ENTERPRISE SYSTEM MANAGEMENT

CPS helps clients successfully reduce the cost and complexity of managing distributed computer environments across geographically dispersed locations. We have experience with most of the major commercial enterprise systems management tools. Our services include requirements definition, in which we look at a client's organizational dynamics to determine how best to introduce new solutions into the client environment; design and architecture development; process and procedure development; configuration management; performance measurement;

network management; and call center support. CPS enterprise systems management solutions are tailored to help our clients improve service to citizens, make better decisions, and enhance operational efficiency.

5.16.1.9 INDEPENDENT VERIFICATION & VALIDATION/TESTING

CPS offers a proven methodology for conducting independent verification and validation (IV&V) that helps ensure systems deliver desired business benefits within budget and on schedule. CPS IV&V capabilities include suitability analysis of functional requirements and validation of design objectives and constraints; in-depth code reviews to uncover latent defects not revealed through conventional black-box testing techniques; verification of test results; and validation of processes.

The CPS approach to IV&V is independent of underlying development efforts, yet attains operational benefits through tight integration into all phases of the lifecycle, including continuous process improvement initiatives. Our approach runs in parallel with the systems development lifecycle, allowing for early detection of missteps and course corrections with minimal turbulence and at the lowest possible cost. IV&V is a key element in mature development and integration processes. It is a valuable tool for revalidating results and ensuring due diligence and is a rigorous, disciplined process encompassing far more than formal testing or traditional quality assurance.

5.16.1.10 INFORMATION ASSURANCE

Information Assurance (IA) is more than locking down data. It's a well-defined plan of comprehensive solutions that ensure your agency's continued operations. It's protecting systems, networks, and applications. IA is a thoughtful, organization-wide strategy to ensure that any information entrusted to you is secure. And it's also effective and efficient implementation of your strategy.

CPS offers proven methodologies and professional expertise that support designing, developing, implementing, and coordinating continuous management of your IA solutions.

Our services include:

- Disaster Recovery
 - Vulnerability and Threat Analysis
 - Business Impact Analysis
 - Contingency Planning
 - Continuity of Operations
 - Business Continuity Planning
 - Training and Exercises
- Risk Assessment
 - Certification and Accreditation
 - Technical Vulnerability Assessments
 - Penetration Testing
- Security Policies and Procedures
 - Policy Development
 - Policy Implementation
 - Accountability Reports

- Computer Security Incident Response
 - Network Monitoring
 - Forensics
 - Deterrent Strategies
- Enterprise Security Engineering and Architecture
 - Intrusion Detection
 - Perimeter Security (Firewalls)
 - Virtual Private Network (VPN)
 - Secure Communications
 - Public Key Infrastructure (PKI)
 - Access Controls - Biometrics, SmartCards

5.16.1.11 INTERNET/INTRANET SERVICES

CPS uses World Wide Web technology to help our clients improve the way they do business. We have extensive experience developing Web-based applications for enhancing business operations, including:

- Collaboration tools
- Customized text search and retrieval systems
- Decision support systems
- Executive information systems
- Data warehousing and data mining systems
- Data collection systems
- Web site hosting and operations support

We offer a highly trained and professional staff with diverse technical backgrounds that encompass the skill sets required for a typical Web development effort, including Web site design and layout, graphics and page design, data and database analysis and design, systems design, relational database management system implementation and administration, software engineering, human factors engineering, and Web application development.

5.16.1.12 KNOWLEDGE MANAGEMENT

Data and text mining technologies help organizations create value by bringing coherency to fragmented and often undiscovered information. In this activity, called knowledge management (KM), enterprises want to get full benefit from their expertise and internal data repositories while avoiding the problem of "info glut" from electronic information now available on line. CPS has developed technologies that allow clients to fuse, index, manage, categorize, summarize, navigate, analyze, and visualize digital information for effective knowledge sharing and collaboration. From large systems integration, to process analysis and subsequent system design and development, to portal development and data/text mining solutions, the CPS team aids government clients by providing solutions to KM challenges.

5.16.1.13 NETWORK INTEGRATION/OPERATIONS

Communications infrastructure plays a critical role in an organization's ability to get the right information to the right people in a timely manner and at a reasonable cost. CPS provides a full

array of local-area network and wide-area network (LAN/WAN) design, implementation, and management services. Our network administration and support services help ensure our customers have robust, reliable, and cost-efficient communication systems. We have expertise in leading network protocols and other telecommunications technologies that can support high-quality voice, video, digital imagery, and data communications. CPS's engineering specialties include network design and migration, communications security, network and systems management, and video teleconferencing.

5.16.1.14 PROGRAM MANAGEMENT

CPS has extensive experience managing small to large, complex programs for both government and commercial clients. We help to simplify outsourcing complexities through the design, operation, and continuity of an established center of excellence. Our program management approach embraces the dynamics of change to reduce costs, streamline efficiency, and mitigate operational risks. While we customize our approach to meet the unique needs of each program, our services typically include:

- Detailed planning and scheduling using automated scheduling tools
- Adapting leading-edge technologies and proven processes to deliver services that maximize program effectiveness
- Overseeing all processes and tracking results
- Accurate and standardized status reporting
- Introduction of world-class processes to create "best of breed"

Our program management lifecycle processes are compliant with American National Standards Institute (ANSI), Institute of Electrical and Electronics Engineers (IEEE), and Project Management Institute (PMI) standards.

5.16.1.15 REQUIREMENTS ANALYSIS

Well-defined requirements and an approved system design form the blueprints for successful application development. Our Requirements Determination Process (RDP) provides a framework for communicating with customers and with those who will receive and use the requirements statement to design a product or service. With this framework, the potential for clear communication, accurate requirements, and thus successful delivery of a product or service that meets (and exceeds) customer needs is much greater.

5.16.1.16 SOFTWARE DEVELOPMENT

Software development and integration are central to most information systems projects. Our software applications range from custom development using higher-order languages to tailoring of commercial off-the-shelf (COTS) software packages. We adhere to open system standards, make maximum use of appropriate COTS products, and create high-performance client-server architectures. Intuitive graphical and multimedia user interfaces increase the value and acceptance of our systems. We specialize in the application of Internet technologies to large, distributed information systems.

5.16.1.17 SYSTEMS INTEGRATION

CPS provides a full range of systems design, development, and integration services and solutions to our clients. These include:

- Project management
- Systems engineering
- Security engineering
- Network design
- Software development
- Enterprise application integration
- Database and data warehouse design and development
- Test and evaluation
- Configuration management
- Training
- Implementation support

CPS develops systems concepts, defines requirements, designs architectures, and integrates complex mission-critical systems. Depending on our clients' requirements, we design custom-built systems, as well as integrate a variety of commercially available software applications. The advanced technology applications that we develop for our clients can be integrated with their legacy systems, enabling our clients to benefit from their prior investments. We specialize in high performance system architectures, intuitive graphical and multimedia interfaces, and the application of Internet technologies to large, distributed systems.

5.16.1.18 TRAINING

CPS has been involved in the training of Government command and control, planning, execution, and information systems. CPS personnel perform curriculum development, curriculum maintenance, and course instruction. CPS maintains a full complement of courseware developers and instructors, as well as a support staff to provide system administration to hardware and software, configuration management, and library maintenance. CPS also has experience in Instructional Systems Development (ISD) procedures, office automation software, and Web development and maintenance.

6 IT70 54151S (132-51) LABOR CATEGORY DESCRIPTIONS

The following labor category descriptions are applicable to SIN 54151S: Information Technology (IT) Professional Services. IT Professional Services and/or labor categories for database planning and design; systems analysis, integration, and design; programming, conversion and implementation support; network services, data/records management, and testing. NOTE: Subject to Cooperative Purchasing.

| Labor Category | Description | Experience | Education |
|-----------------|--|------------|--|
| PROGRAM MANAGER | <p>Manages a portfolio of projects and is well versed in full systems development life cycle, enterprise wide network engineering, strategic information planning, business process reengineering, structure and management practices. Organizes, directs, and coordinates planning and execution of all program/technical support activities. Has demonstrated information technology expertise and communications skills to be able to interface with all levels of management. Simultaneously plans and manages the transition of several highly technical projects. Establishes and alters (as necessary) management structure to effectively direct program/technical support activities. Meets and confers with ordering activity management officials regarding the status of specific Contractor program/technical activities and problems, issues or conflicts regarding resolution.</p> <p>Functional Responsibility Serves as the Contractor counterpart to the ordering activity program/technical managers. Responsible for managing technical programs, adhering to work standards, assigning schedules, reviewing work, supervising contractor personnel and communicating policies, procedures and goals of the organization to personnel. Manages a diverse group of functional activities, subordinate groups of technical and administrative personnel. Responsible for the contract performance.</p> | 15 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management or technical disciplines. |
| PROJECT MANAGER | <p>Directs completion of complex information technology tasks within estimated timeframe and budget constraints. Schedules and assigns duties to subordinates and subcontractors and ensures assignments are completed as directed. Enforces work standards and reviews/resolves work discrepancies to ensure compliance with contract requirements. Interfaces with the Contractor's Program Manager as well as ordering activity management personnel including, but not limited to, the Contracting Officer and the Contracting Officer's Technical Representative. Reports in writing and orally to contractor management and ordering activity representative.</p> <p>Functional Responsibility Provides competent technical leadership and is responsible for program direction through successful performance of a variety of detailed, diverse elements of information technology projects. Assists the Program Manager in working with the ordering activity Contracting Representative to ensure work standards and</p> | 12 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management or technical disciplines. |

| Labor Category | Description | Experience | Education |
|------------------------------|---|------------|--|
| QUALITY ASSURANCE MANAGER | <p>schedules are being met. Assists in managing a group on functional activities and subordinate groups of technical and administrative personnel.</p> <p>Specialized experience includes: analysis and design of business applications on complex systems for large-scale computers, data base management, use of the programming languages such as Ada, COBOL, 4GL, and/or DBMS. Knowledge of current storage and retrieval methods and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. Experience includes use and understanding of Independent Verification and Validation (IV&V) of software development and the applications of ordering activity and international quality standards and procedures. Manages the formal and informal reviews of all software development activities.</p> <p>Functional Responsibility Oversees the development and implementation of all quality control methodologies to ensure compliance with all applicable standards and guidelines directed by the customer. Provides technical direction in performing software development tasks, to include the design concept and user standards. Conducts the review of program documentation to assure ordering activity standards are met. Prepares milestone status reports.</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management or technical disciplines. |
| QUALITY ASSURANCE ANALYST II | <p>Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards, review of program documentation to assure ordering activity standards/requirements are adhered to, and for progress in accordance with schedules. Coordinates with the Project Manager and/or Quality Assurance Manager to ensure problem solution and user satisfaction. Makes recommendations, if needed, for approval of major systems installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.</p> <p>Functional Responsibility Develops and implements quality control methodologies to ensure compliance with quality assurance standards, guidelines, and procedures in a large computer-based organization. Reviews information systems requirements and develops and implements test plans ensuring proposed data processing systems modules, programs, and systems are stress tested, error free and meet stated requirements before implementation. Must be adept at problem definition and resolution. Must be capable of documenting problems and preparing recommendations for their solution. Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> | 5 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| QUALITY ASSURANCE ANALYST I | Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, | 3 years | Bachelor's Degree in Computer Science, Information Systems, |

| Labor Category | Description | Experience | Education |
|--------------------------|--|------------|---|
| | <p>adherence to the design concept and to user standards, review of program documentation to assure ordering activity standards/requirements are adhered to, and for progress in accordance with schedules. Coordinates with the Project Manager and/or Quality Assurance Manager to ensure problem solution and user satisfaction. Makes recommendations, if needed, for approval of major systems installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives.</p> <p>Functional Responsibility Develops and implements quality control methodologies to ensure compliance with quality assurance standards, guidelines, and procedures in a large computer-based organization. Reviews information systems requirements and develops and implements test plans ensuring proposed data processing systems modules, programs, and systems are stress tested, error free and meet stated requirements before implementation. Must be adept at problem definition and resolution. Must be capable of documenting problems and preparing recommendations for their solution.</p> | | <p>Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| SUBJECT MATTER EXPERT II | <p>Specialized experience includes: support analysis, systems analysis, design, data, rule and process modeling, data dictionary development and implementation plan development and programming using manual and automated tools and methods, such as I-CASE tools.</p> <p>Functional Responsibility Provides high level functional and systems analysis, design, integration, documentation, and implementation advice on exceptionally complex studies which require expert knowledge of the subject matter for effective problem solution. Participates in all phases of study development with emphasis on the planning, analysis, documentation, and presentation phases. Oversees the design and preparation of technical reports and related documentation.</p> | 10 years | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines.</p> |
| SUBJECT MATTER EXPERT I | <p>Specialized experience includes: support analysis, systems analysis, design, data, rule and process modeling, data dictionary development and implementation plan development and programming using manual and automated tools and methods, such as I-CASE tools.</p> <p>Provides high level functional and systems analysis, design, integration, documentation, and implementation advice on exceptionally complex studies which require expert knowledge of the subject matter for effective problem solution. Participates in all phases of study development with emphasis on the planning, analysis, documentation, and presentation phases. Oversees the design and preparation of technical reports and related documentation.</p> | 7 years | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines.</p> |
| FUNCTIONAL ANALYST II | <p>Specialized experience includes: systems requirements and/or developing functional requirements for complex integrated information systems business processes and/or programs. Responsible for feasibility studies, time and</p> | 8 years | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business,</p> |

| Labor Category | Description | Experience | Education |
|-----------------------------|---|----------------|---|
| | <p>cost estimates, and the establishment and implementation of new or revised applications systems and programs. Assists in projecting software and hardware requirements. Demonstrates the ability to work independently. Shows leadership skills and has led a team on three successful projects. Has current knowledge of functions being developed or automated.</p> <p>Functional Responsibility Analyzes user needs to determine functional and cross-functional requirements. Performs functional allocation to identify required tasks and their interrelationships. Identifies resources required to complete each task. Works directly with agency/organization functional staff members to identify specific application views and data requirements to ensure that the final system incorporates required functionality.</p> | | <p>Social Science, or other related analytical, scientific, management, business or technical disciplines.</p> |
| <p>FUNCTIONAL ANALYST I</p> | <p>Specialized experience includes: performing functional allocation to identify required tasks and their interrelationships. Provides technical assistance on complex projects. Formulates/defines system scope and objectives. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time and form of desired results. Identifies resources required for each task. Demonstrates exceptional oral and written communication skills.</p> <p>Functional Responsibility Responsible for identifying and documenting all specific functional requirements associated with implementing the application. Develops a comprehensive functional description of current and future system and process requirements through structured interviews, focus groups, documentation review and other data gathering techniques. Interfaces with technical personnel to identify specific system requirements and risks. Works directly with agency/organization functional staff members to identify specific application views and data requirements to ensure that the final system incorporates required functionality.</p> | <p>6 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines.</p> |
| <p>SYSTEMS ENGINEER II</p> | <p>Specialized experience includes: supervision of system engineers familiar with a network topologies and configurations, X.25, TCP/IP, IPX, Frame Relay, ATM, bridges, routers, hubs and experience with the logical and physical functional, operational, and technical architecture of large and complex information systems. Have two certifications in network operating systems (CNA & CNE).</p> <p>Functional Responsibility Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects. Evaluates communication hardware and software, troubleshoots LAN/MAN/WAN and other network related problems, provides technical expertise for performance and configuration of networks. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk</p> | <p>6 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |

| Labor Category | Description | Experience | Education |
|------------------------------|---|------------|---|
| SYSTEMS ENGINEER I | <p>analysis and modern business methods and performance measurement techniques. Assist in establishing standards for information systems procedures. Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems.</p> <p>Specialized experience includes: knowledge of system engineers familiar with a network topologies and configurations, X.25, TCP/IP, IPX, Frame Relay, ATM, bridges, routers, hubs and experience with the logical and physical functional, operational, and technical architecture of large and complex information systems. Evaluates and recommends COTS applications and methodologies that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable information management designs.</p> <p>Functional Responsibility Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of systems for information management applications. Provides technical leadership developing solutions for engineering studies.</p> | 4 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| SENIOR INFORMATION ENGINEER | <p>Applies business process improvement practices to re-engineer methodologies/principles and business process modernization projects. Applies, as appropriate, activity and data modeling, transaction flow analysis, internal control and risk analysis and modern business methods and performance measurement techniques. Assists in establishing standards for information systems procedures. Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems. Constructs sound, logical business improvement models consistent with the configuration information management guiding principles, cost savings, and open architecture objectives.</p> <p>Functional Responsibility Analyzes information requirements. Evaluates, analytically and systematically, problems of workflow, organization, and planning and develops appropriate corrective action. Plans project coordination and management. Provides comprehensive definition of all aspects of development from analysis of mission needs to verification of system performance.</p> | 10 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| COMPUTER SYSTEMS ANALYST III | <p>Performs comprehensive analyses of hardware/software concepts, designs and test requirements. Reviews, analyzes, integrates and conducts test and evaluation of contractor or Government generated source data and develops interim documentation. Performs system concept formulation, system design analysis and subsystems design analysis. Responsible for developing project plans, guidelines and controls. Provides expertise to conduct investigations and studies and present recommendations and solutions related to short and long</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |

| Labor Category | Description | Experience | Education |
|------------------------------------|---|----------------|--|
| | <p>range program planning requirements. Classifies and summarizes data for the preparation and submission of reports on a recurring basis. Provides advice and assistance to managers that directly affect the conduct and attainment of agency goals and objectives. Perform evaluations on existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a problem notification report and recommend solutions such as an ECP. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems.</p> | | |
| <p>COMPUTER SYSTEMS ANALYST II</p> | <p>Performs comprehensive analyses of hardware/software concepts, designs and test requirements. Reviews, analyzes, integrates and conducts test and evaluation of contractor or Government generated source data and develops interim documentation. Performs system concept formulation, system design analysis and subsystems design analysis. Responsible for developing project plans, guidelines and controls. Provides expertise to conduct investigations and studies and present recommendations and solutions related to short and long range program planning requirements. Classifies and summarizes data for the preparation and submission of reports on a recurring basis. Provides advice and assistance to managers that directly affect the conduct and attainment of agency goals and objectives. Perform evaluations on existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a problem notification report and recommend solutions such as an ECP. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems.</p> | <p>5 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>COMPUTER SYSTEMS ANALYST I</p> | <p>Performs comprehensive analyses of hardware/software concepts, designs and test requirements. Reviews, analyzes, integrates and conducts test and evaluation of contractor or Government generated source data and develops interim documentation. Performs system concept formulation, system design analysis and subsystems design analysis. Responsible for developing project plans, guidelines and controls. Provides expertise to conduct investigations and studies and present recommendations and solutions related to short and long range program planning requirements. Classifies and summarizes data for the preparation and submission of reports on a recurring basis. Provides advice and assistance to managers that directly affect the conduct and attainment of agency goals and objectives. Perform evaluations on existing procedures, processes, techniques, models, and/or systems related to management problems or contractual issues, which would require a problem notification report and recommend solutions such as an ECP. Develops work breakdown structures, prepares charts, tables, graphs, and diagrams to assist in analyzing problems.</p> | <p>2 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>APPLICATIONS ENGINEER</p> | <p>Manages software development and support using formal specifications, data flow diagrams, other accepted design techniques, and Computer Aided Software Engineering</p> | <p>3 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems,</p> |

| Labor Category | Description | Experience | Education |
|------------------------------------|---|----------------|--|
| | <p>(CASE) tools. Interprets software requirements and design specifications code, and integrates and tests software components. Estimates software development costs and schedule. Reviews existing programs and assists in making refinements, reducing operating time, and improving current techniques. Supervises software configuration management.</p> <p>Functional Responsibility Analyzes and studies complex system requirements. Designs software tools and subsystems to support software reuse and domain analyses and manages their implementation. Supports the development of unique system software as well as the integration of commercial off-the-shelf (COTS) software integration.</p> | | <p>Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>APPLICATIONS PROGRAMMER III</p> | <p>Specialized experience includes: applications programming on large-scale database management systems, knowledge of computer equipment and ability to develop complex software to implement design objectives. Ability to work independently.</p> <p>Functional Responsibility Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation, including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met.</p> | <p>5 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>APPLICATION PROGRAMMER II</p> | <p>Assists in developing block diagrams and logic flow charts. Translates detailed design into computer software. Tests, debugs, and refines the computer software to produce the required product. Prepares required documentation including both program-level and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical coordination to other programmers as required to ensure program deadlines are met.</p> <p>Functional Responsibility Provides programming services on operating systems software, teleprocessing monitors, communications systems, language processors, database internals, and system utilities. Assists in developing application programs to meet functional requirements of customers. Assists in debugging and testing all programs prior to their implementation. Responsible for adherence to applicable user standards and procedures.</p> | <p>3 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>APPLICATIONS PROGRAMMER I</p> | <p>Assists with the analysis of information requirements. Aids in the evaluation of problems with workflow, organization, and planning and helps develop appropriate corrective action. Writes programs for various user applications under the direction and review of a senior applications programmer.</p> | <p>1 years</p> | <p>High School diploma</p> |
| <p>WEB PROGRAMMER</p> | <p>Consults with clients and other project team members to design, build and manage web applications and sites. Has</p> | <p>4 years</p> | <p>Bachelor's Degree in Computer Science,</p> |

| Labor Category | Description | Experience | Education |
|--|---|----------------|--|
| | <p>knowledge of a variety of programming/scripting languages that may include SQL, C++, HTML, CGI, JavaScript, Perl, Java, PHP, ASP, and Cold Fusion. Database development experience using Oracle, MS SQL Server, and other databases may be required. Some server maintenance experience may be required.</p> | | <p>Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>DATABASE MANAGEMENT SPECIALIST II</p> | <p>Specialized experience includes: demonstrated experience with DBMS design and system analysis, current operating systems software internals and data manipulation languages. Detailed experience in Oracle, DB2 and Sybase. Hands on experience in supporting database applications in distributed network, including UNIX and/or IBM mainframe.</p> <p>Functional Responsibility Applies high-level of skills in database design, installations, and conversions. Responsible for database backup and recovery procedures, access security and database integrity, physical data storage design, and data storage management. Participates in DBMS selection and maintains database performance. Applies expertise in specific DBMS such as Oracle, DB2 and Sybase.</p> | <p>5 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>DATABASE MANAGEMENT SPECIALIST I</p> | <p>Specialized experience includes: demonstrated experience with DBMS design and system analysis, current operating systems and data manipulation languages. Provides database administration and troubleshooting. Detailed experience utilizing Informix and Oracle.</p> <p>Functional Responsibility Research and evaluate emerging technologies, plan for implementation, and implement as appropriate. Uses state-of-the art DBMS systems such as Oracle or DB2 to function in a relational DBMS environment. Provides day-to-day database administration to include database backup and recovery.</p> | <p>3 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>DATA MODELER II</p> | <p>Experienced with design techniques or process reengineering across all phases, including change management, business analysis management and techniques, cost benefit analysis, activity and data modeling, information systems development methods and practices, workshop facilitation, and training. Skilled in the interface of software with computer hardware systems, computer-aided software engineering (CASE) tools, complex and software system development. Experience in developing and providing technical and end-user training on computer hardware and application software. Knowledge of and experience with DoD and/or federal Civilian Agency data modeling standards and procedures. Knowledge of IDEFIX and its implementation by the ERwin or similar CASE tool. Demonstrated ability to communicate orally and in writing. Must possess strong organizational skills and strong interpersonal skills to effectively relate to agency and customer needs. Supervisory experience in managing and providing direction to engineers, programmers, and analysts.</p> | <p>5 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |

| Labor Category | Description | Experience | Education |
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| | <p>Functional Responsibility Analyzes functional business applications and design specifications for data and functional activities. Develops data models, block diagrams, and logic flow charts. Prepares required documentation, including both program-level and user-level documentation.</p> | | |
| DATA MODELER I | <p>Experienced with design techniques or process reengineering across all phases, including change management, business analysis management and techniques, cost benefit analysis, activity and data modeling, information systems development methods and practices, workshop facilitation, and training. Skilled in the interface of software with computer hardware systems, computer-aided software engineering (CASE) tools, complex and software system development. Experience in developing and providing technical and end-user training on computer hardware and application software. Knowledge of and experience with DoD and/or federal Civilian Agency data modeling standards and procedures. Knowledge of IDEFIX and its implementation by the ERwin or similar CASE tool. Demonstrated ability to communicate orally and in writing. Must possess strong organizational skills and strong interpersonal skills to effectively relate to agency and customer needs. Must be able to work alone or in work groups.</p> <p>Functional Responsibility Analyzes functional business applications and design specifications for data and functional activities. Develops data models, block diagrams, and logic flow charts. Prepares required documentation, including both program-level and user-level documentation.</p> | 3 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| OPERATIONS MANAGER | <p>Specialized experience includes: supervision and operations experience on a IBM large-scale computer system, knowledge of hardware, software and operating systems (including: IBM 3090 mainframes using the DB2 operating system with CICS and RACF). General experience includes operations experience on a large-scale computer system or a multi-server local area network (Windows NT and Novell 4.0).</p> <p>Functional Responsibility Manages computer operations. Ensures production schedules are met. Ensures computer system resources are used effectively. Coordinates the resolution of production-related problems. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of information technology services. Provides users with computer output. Supervises staff operations.</p> | 7 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management or technical disciplines. |
| SYSTEM ADMINISTRATOR III | <p>Specialized experience includes: administrating UNIX, Windows NT, Novell systems and/or open systems. Optimizes system operations and resource utilization and performs system capacity analysis and planning. Provides assistance to users in accessing and using business/computer systems. Monitors and supports computer processing. Coordinates input, output, and file</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, |

| Labor Category | Description | Experience | Education |
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| | <p>media. Distributes output and controls computer operation.</p> <p>Functional Responsibility Supervises the monitoring of network facilities. Ensures high quality transmission on network. Directs testing and analysis of all elements of the network facility (including hardware, software, power, communications, lines, modems and terminals). Supervises testing and analysis of all elements of the network facilities (including software, power, communications machinery, lines, modems and terminals). Serves as key contact for remote locations and customers to obtain clarification of problems and provides resolution of system failures and degradations.</p> | | <p>or technical disciplines.</p> |
| <p>SYSTEM ADMINISTRATOR II</p> | <p>Specialized experience includes: administrating UNIX, Windows NT, Novell systems and/or open systems. Optimizes system operations and resource utilization and performs system capacity analysis and planning. Provides assistance to users in accessing and using business/computer systems. Monitors and supports computer processing. Coordinates input, output, and file media. Distributes output and controls computer operation.</p> <p>Functional Responsibility Supervises the monitoring of network facilities. Ensures high quality transmission on network. Directs testing and analysis of all elements of the network facility (including hardware, software, power, communications, lines, modems and terminals). Supervises testing and analysis of all elements of the network facilities (including software, power, communications machinery, lines, modems and terminals). Serves as key contact for remote locations and customers to obtain clarification of problems and provides resolution of system failures and degradations.</p> | <p>4 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>SYSTEM ADMINISTRATOR I</p> | <p>Specialized experience includes: administrating UNIX, Windows NT, Novell systems and/or open systems. Optimizes system operations and resource utilization and performs system capacity analysis and planning. Provides assistance to users in accessing and using business/computer systems. Monitors and supports computer processing. Coordinates input, output, and file media. Distributes output and controls computer operation.</p> <p>Functional Responsibility Supervises the monitoring of network facilities. Ensures high quality transmission on network. Directs testing and analysis of all elements of the network facility (including hardware, software, power, communications, lines, modems and terminals). Supervises testing and analysis of all elements of the network facilities (including software, power, communications machinery, lines, modems and terminals). Serves as key contact for remote locations and customers to obtain clarification of problems and provides resolution of system failures and degradations.</p> | <p>2 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |

| Labor Category | Description | Experience | Education |
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| TRAINING SPECIALIST II | <p>Coordinating multiple training programs, conducting live training, including complex IT technical training and utilizing multiple training techniques and tools with various media with multiple student skill levels and class sizes. Has experience in developing training strategies, determining training methods, and developing training materials for presentation in various media. Creates new training strategies and presentation methods as new media or as new training methodologies become available. Must have experience in creating training plans and materials for large complex IT organizations and missions.</p> <p>Functional Responsibility Conducts the research necessary to develop and revise training courses and prepares appropriate training catalogs. Develops all instructor materials (course outline, background material, and training aids). Develops all student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops, seminars, and/or computer based/computer aided training. Provides daily supervision and direction to staff.</p> | 6 years | Bachelor Degree in Information Systems, Training and Development, or other related discipline. |
| TRAINING SPECIALIST I | <p>Conduct training programs, presenting training materials, and interacting directly with students. Has experience in conducting training on IT software, hardware, systems and networks. Able to present training classes using a variety of different media and tools. Has experience in developing, writing and creating training materials, training plans, and training programs for an IT organization, program or project.</p> <p>Functional Responsibility Assists in conducting the research necessary to develop and revise training courses. Assists in developing and revising training courses and prepares appropriate training catalogs. Prepares instructor materials (course outline, background material, and training aids). Prepares student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops and seminars.</p> | 4 years | Bachelor Degree in Information Systems, Training and Development, or other related discipline. |
| HELPDESK MANAGER | <p>Specialized experience includes: management of help desks in a multi-server environment, comprehensive knowledge of PC operating systems, e.g., DOS, Windows, as well as networking and mail standards and supervision of help desk employees. General experience includes information systems development, network and other work in the client/server field, or related fields. Has demonstrated ability to communicate orally and in writing and a positive customer service attitude.</p> <p>Functional Responsibility Provides daily supervision and direction to staff who are responsible for telephone and in-person support to information system users in the areas of e-mail, directories, COTS, standard Windows</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines. |

| Labor Category | Description | Experience | Education |
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| HELP DESK SPECIALIST | <p>desktop applications, and applications developed or deployed under specific contract. Serves as the subject matter expert for troubleshooting hardware/software PC and printer problems.</p> <p>Specialized experience includes knowledge of PC operating systems, e.g., DOS, Windows, as well as networking and mail standards and experience in supporting a help desk. General experience includes information systems development and other work in the client/server field or related fields. Has demonstrated ability to communicate orally and in writing and a positive customer service attitude.</p> <p>Functional Responsibility Provides telephone and in-person support to users in the areas of e-mail, directories, standard windows desktop COTS applications, and applications developed under this contract for predecessors. Serves as the initial point of contact for troubleshooting hardware/software PC and printer problems.</p> | 5 years | High School diploma or equivalent. |
| ENGINEER III | <p>Specialized experience includes: knowledge and experience providing manned or unmanned systems project engineering support including hardware and software implementation, development and execution of test plans and preparing formal technical reports. Position may require experience with major Federal Government acquisition programs or major defense acquisition weapon systems defined in the DOD 5000.2 series instructions. Performs complex engineering analysis and design tasks. Prepares specifications and design, and implements solutions. Design subsystems and assists in developing standards. Works as part of a project team in the design and integration of system engineering modifications or stand-alone solutions to engineering support requirements.</p> | 12 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| ENGINEER II | <p>Specialized experience includes: information systems development, functional and data requirement analysis, systems analysis and design, programming, program design and documentation preparation. Demonstrated experience in the implementation of information engineering projects; systems analysis, design and programming using CASE and IE tools and methods, systems planning, business information planning, and business analysis.</p> <p>Functional Responsibility Implements engineering principles, techniques and processes. Decides appropriate tests to evaluate, debug and check systems. Documents the result of complex analysis and design tasks. Design Windows NT systems and developed integration standards and techniques for implementation. Acts in a lead role of a project team.</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| ENGINEER I | <p>Specialized experience includes: knowledge in information systems development, function and data requirement analysis and design, programming, and documentation preparation.</p> <p>Functional Responsibility</p> | 4 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, |

| Labor Category | Description | Experience | Education |
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| | <p>Performs complex engineering analysis and design tasks. Prepares specifications and design, and implements solutions. Design subsystems and assists in developing standards. Works as part of a project team in the design and integration of system engineering modifications or stand-alone solutions to engineering support requirements.</p> | | <p>or technical disciplines.</p> |
| <p>HARDWARE / NETWORK SPECIALIST</p> | <p>Analyzes network characteristics (e.g., traffic, connect time, transmission speeds, packet sizes, and throughput) and recommends procurement, removals, and modifications to network components. Designs and optimizes network components and capabilities. Ensures maintenance of systems Coordinates requirements with users and suppliers.</p> <p>Functional Responsibility Provides support on all phases of analysis, design, testing, and implementation of networks and the telecommunications infrastructure to support EC/EDI functions. Functions as planner and manages the actual physical installation of networks including use of internet/intranet applications. Support also includes the actual pulling of wires or cable to accomplish the installation.</p> | <p>1 year</p> | <p>Associate Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>HARDWARE / NETWORK INSTALLATION TECHNICIAN</p> | <p>Specialized experience includes: supervision of installation technicians, analysis, design, and installation of computer based systems; analysis, and installation of local area networks; and analysis and installation of communication systems. Familiar with engineering documentation, network configurations and topologies, X.25, TCP/IP, Frame Relay, bridges, hubs, and routers. General experience includes increasing responsibilities in technical management. Has the ability to work independently or under only general direction.</p> <p>Functional Responsibility Assesses and documents current site network configuration and user requirements. Analyzes and develops new hardware requirements and prepares specifications for hardware acquisitions. Coordinates post installation operations and maintenance support.</p> | <p>4 years</p> | <p>High School diploma or equivalent.</p> |
| <p>NETWORK ADMINISTRATOR I</p> | <p>Monitors and adjusts network parameters for optimum performance. Installs and supports local area networks (LANs). Configures the network, and adds and deletes users and printers. Diagnoses, troubleshoots and repairs complex LANs and interfaces between differing networks via remote and local repeaters, routers, and switches (including mainframe connectivity via gateway, telecommunication circuits, and direct network access). Assures that LAN security is maintained according to recommendations. Creates documentation for systems support staff and users. Provides technical expertise for performance and configuration of networks. Evaluates communication hardware and software, and performs compatibility testing of system and application software. Coordinates with all responsible users and sites.</p> | <p>3 years</p> | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| <p>SENIOR CONSULTANT</p> | <p>Provide expert support, analysis and research into exceptionally complex problems, and processes relating</p> | <p>8 years</p> | <p>Master's Degree in Computer Science,</p> |

| Labor Category | Description | Experience | Education |
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| | <p>to IT subject matter. Serves as technical expert on executive-level project teams providing technical direction, interpretation and alternatives. Thinks independently and demonstrates exceptional written and oral communications skills. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems and provides solutions which are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Develops advanced technological ideas and guides their development into a final product. Expertise is in a particular area of Information Technology (e.g., Information Systems Architecture, Telecommunications Systems Design, Architecture, Implementation, Information Systems Integration, Software Development Methodologies, Security Engineering, Communications and Network Systems Management), or a specific functional area (e.g., finance, logistics, and operations research).</p> <p>Functional Responsibility Senior Consultants apply their advanced skills and experience in systems development, detailed knowledge of business processes, technical background and supervisory skills to implement business solutions. Senior Consultants provide direction to project teams and interact with clients at the supervisory level. A Senior Consultants is qualified to perform tasks such as:</p> <ul style="list-style-type: none"> • Develop functional and technical information system designs. • Supervise business integration analysts in the development of software designs, computer programming, system testing or training curricula • Lead business process redesign teams in the development of new business process architectures. • Design training programs for information systems users • Participate in quality reviews to ensure work complies with specified standards • Develop team work plans • Perform workflow analyses • Design and manage databases • Define information systems requirements • Assist in project budget preparation | | <p>Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines.</p> |
| <p><u>PREMIUM TECHNOLOGY MANAGER</u></p> | <p><u>Premium Technology Managers possess special skills in premium technologies, such as packaged enterprise software tools (e.g., Baan, SAP, PeopleSoft and Oracle) and other premium market-driven technologies. Premium Technology Managers apply their broad management skills and specialized functional and technical expertise to guide project teams in delivering client solutions or to manage the day-to-day operations of CPS projects. Premium Technology Managers provide subject matter expertise in industry, process or technology areas. A</u></p> | <p><u>7 years</u></p> | <p><u>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines.</u></p> |

| Labor Category | Description | Experience | Education |
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| | <p>Premium Technology Manager is qualified to perform such tasks as:</p> <ul style="list-style-type: none"> • <u>Plan and manage the work of information systems project teams</u> • <u>Design and implement new organization structures</u> • <u>Conceptual design and development of training curricula</u> • <u>Assist an organization translate its vision and strategy into core human resource and business processes</u> • <u>Lead clients through streamlining, reengineering and transforming business processes</u> • <u>Develop and execute project budgets.</u> | | |
| PREMIUM TECHNOLOGY ANALYST | <p>Premium Technology Analysts possess special skills in premium technologies, such as packaged enterprise software tools (e.g., Baan, SAP, PeopleSoft and Oracle) and other premium market-driven technologies. Premium Technology Analysts are directed to exercise core skills on projects, or they may direct small teams. A Premium Technology Analyst is qualified to perform tasks such as:</p> <ul style="list-style-type: none"> • Document an organization's current business process flows • Design, code and test functional components of information systems according to project specifications • Identify and document functional requirements for information systems • Develop project documentation and user training materials according to program specifications • Conduct user training sessions • Prepare communications plans • Produce database extracts • Provide technical support to software development teams • Perform program management support tasks, such as status reporting and workplan maintenance | 2 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management, business or technical disciplines. |
| PREMIUM TECHNOLOGY CONSULTANT | <p>Premium Technology Consultants possess special skills in premium technologies, such as packaged enterprise software tools (e.g., Baan, SAP, PeopleSoft and Oracle) and other premium market-driven technologies. Premium Technology Consultants provide direction to project teams and interact with clients at the supervisory level. A Premium Technology Consultant is qualified to perform tasks such as:</p> <ul style="list-style-type: none"> • Develop functional and technical information system designs. • Supervise business integration analysts in the development of software designs, computer programming, system testing or training curricula • Lead business process redesign teams in the development of new business process architectures. | 3 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, management or technical disciplines. |

| Labor Category | Description | Experience | Education |
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| | <ul style="list-style-type: none"> • Design training programs for information systems users • Participate in quality reviews to ensure work complies with specified standards • Develop team work plans • Perform workflow analyses • Design and manage databases • Define information systems requirements • Assist in project budget preparation | | |
| COMPUTER SECURITY SYSTEMS SPECIALIST II | <p>Specialized experience includes: experience in defining computer security requirements for high level applications, evaluation of approved security product capabilities, and developing solutions to Multi-Level-Security (MLS) problems.</p> <p>Functional Responsibility Analyzes and defines security requirements for (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Responsible for the implementation and development of the MLS. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Performs daily supervision and direction to staff.</p> | 8 years | Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| COMPUTER SECURITY SYSTEMS SPECIALIST I | <p>Specialized experience includes: analyzing and defining security requirements for Multi-Level-Security (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena.</p> <p>Functional Responsibility Performs risk analyses which also include risk assessment. Develops, analyzes, and implements security architectures as appropriate. Recommends the application of various current, state-of-the-art security systems (ACF and RACF on IBM 3090 mainframes) to solve specific user requirements. Leads in the effort to install and train staff in the use and application of selected products.</p> | 6 years | Associate Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines. |
| DATA ENTRY SPECIALIST II | <p>Works independently or as a task leader to perform data entry, including verification where applicable. Work requires the application of experience and judgment in selecting procedures to be followed and in searching for, interpreting, selecting, or coding items to be input from a variety of complex source documents. Design, set up, and implement special screen formats for specific input requirements. Input data from numerous types of source documents requiring various complex formats. Perform routine data preparation and distribution when incidental to data entry tasks.</p> | 3 years | High School diploma or equivalent |
| DATA ENTRY SPECIALIST I | <p>Works independently or as a task leader to perform data entry, including verification where applicable. Work requires the application of experience and judgment in selecting procedures to be followed and in searching for, interpreting, selecting, or coding items to be input from a variety of complex source documents. Design, set up, and implement special screen formats for specific input requirements. Input data from numerous types of source</p> | 1 year | High School diploma or equivalent |

| Labor Category | Description | Experience | Education |
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| TECHNICAL WRITER/EDITOR | <p>documents requiring various complex formats. Perform routine data preparation and distribution when incidental to data entry tasks.</p> <p>Must be able to use a variety of word processing, spreadsheet, graphics and scheduling tools. Must have experience in being able to gather and convert data into a written narrative.</p> <p>Functional Responsibility Prepares, edits, maintains and updates technical documents such as reference manuals, user manuals, specifications, as well as training materials throughout the lifecycle of the system or the project. Responsibilities also include, but are not limited to, maintaining technical documentation, assuring the accuracy of technical documents, maintaining technical libraries.</p> | 5 years | <p>An Associates or Bachelor's degree or equivalent in English, Literature, or other related discipline. High School diploma or equivalent with five or more years relevant experience may be substituted for a college degree</p> |
| CONFIGURATION MANAGEMENT SPECIALIST III | <p>Experience in the review and authorization of all system change requests; experience in establishing library control to reflect change status of implemented systems; experience with the release control process for new versions of implemented systems; experience in controlling documentation required during a systems life cycle; and in-depth experience with management techniques to ensure functionality of system integrity.</p> <p>Functional Responsibility Provides technical support in documenting solutions to information systems to the Program Manager. Establishes and maintains a process for tracking the life cycle development of all hardware implementation and software development efforts. Maintains continuity of products while ensuring conformity to commercial/industry or DOD directives and regulations, as applicable to the task order. Oversees formal and informal documentation reviews and makes recommendations consistent with program direction. This may include management of hardware and/or software baselines, change control, baseline audits, pre-release testing and IV&V functions.</p> | 6 years | <p>Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.</p> |
| CONFIGURATION MANAGEMENT SPECIALIST II | <p>Experience in the review and authorization of all system change requests; experience in establishing library control to reflect change status of implemented systems; experience with the release control process for new versions of implemented systems; experience in controlling documentation required during a systems life cycle; and in-depth experience with management techniques to ensure functionality of system integrity.</p> <p>Functional Responsibility Provides technical support in documenting solutions to information systems to the Program Manager. Establishes and maintains a process for tracking the life cycle development of all hardware implementation and software development efforts. Maintains continuity of products while ensuring conformity to commercial/industry or DOD directives and regulations, as applicable to the task order. Oversees formal and informal documentation reviews and makes recommendations consistent with program direction. This</p> | 4 years | <p>Bachelor's degree in Computer Science or related field. Six years of specialized experience is required to substitute for a four year degree.</p> |

| Labor Category | Description | Experience | Education |
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| CONFIGURATION MANAGEMENT SPECIALIST I | <p>may include management of hardware and/or software baselines, change control, baseline audits, pre-release testing and IV&V functions.</p> <p>Experience in the review and authorization of all system change requests; experience in establishing library control to reflect change status of implemented systems; experience with the release control process for new versions of implemented systems; experience in controlling documentation required during a systems life cycle; and in-depth experience with management techniques to ensure functionality of system integrity.</p> <p>Functional Responsibility Provides technical support in documenting solutions to information systems to the Program Manager. Establishes and maintains a process for tracking the life cycle development of all hardware implementation and software development efforts. Maintains continuity of products while ensuring conformity to commercial/industry or DOD directives and regulations, as applicable to the task order. Oversees formal and informal documentation reviews and makes recommendations consistent with program direction. This may include management of hardware and/or software baselines, change control, baseline audits, pre-release testing and IV&V functions.</p> | 2 years | High School Degree, Technical Certification, or equivalent education. |
| DISASTER RECOVERY SPECIALIST | <p>General knowledge of business processes, management structures, and technology programs/platforms are preferred. Strong verbal and written communications skills are desirable. Provide support in the development of a government agencies emergency management and business recovery plans; perform functions pertaining to the agencies business risk assessments; review and develop business recovery strategies; draft procedures for identifying failures and invoking contingency plans; create response procedures and identifying communications channels; communicate with various response teams during testing and actual execution of recovery procedures. Support the design, development, installation, implementation and administration of backup solutions. Make recommendations to the user community and the operations group on system enhancements.</p> | 4 years | Bachelor's degree in Computer Science or related field. Six years of specialized experience is required to substitute for a four year degree. |
| DATA RETRIEVAL SPECIALIST | <p>Experience retrieving, filing, and archiving data in commercial, financial, or law enforcement databases, and the Microsoft Windows operating environment. Competent with the Microsoft Office software suite and/or other commercial-off-the-shelf (COTS) tools and databases. Excellent oral and written communications skills in the English language.</p> <p>Functional Responsibility The Data Retrieval Specialist navigates databases and extracts information, placing the information in a prescribed data retrieval package format. The Data Retrieval Specialist is responsible for the timeliness, quantity, thoroughness, and accuracy of all completed work.</p> | 6 months | High School degree or equivalent. |

| Labor Category | Description | Experience | Education |
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| SENIOR ARCHITECT | <p>Experience in design and development of IT architecture. Experience must include a wide range of work in creating diagrams and documentation with all components that comprise IT systems including network topology.</p> <p>Functional Responsibility Extensive experience in design and development of IT architecture. Experience must include a wide range of work in creating diagrams and documentation with all components that comprise IT systems including network topology.</p> | 6 years | Master's Degree, Computer Science, Engineering, Math, or equivalent |
| BUSINESS ANALYST, SENIOR | <p>Experience in the analysis of IT business and information environment, activities, and events. Must have deep knowledge of data analysis, trend finding, patterns and be able to identify risks and offer solutions for improving processes that will improve overall agency performance.</p> <p>Functional Responsibility Provides insight into the business or technical discipline under evaluation. Provides analytical support in areas such as policy formulation or analysis, program evaluation and assessment, strategic and business planning, and operations research and analysis. Support determination of IT operational objectives by studying business functions; gathering information; evaluating output requirements and formats.</p> | 6 years | Bachelors Degree in Operations Research, Mathematics, Computer Science, Cost Accounting or related scientific or technical discipline. |
| DEVELOPER | <p>Experience in analyzing customer needs and developing overall concept and design objectives. The developer must be able to create software in a variety of programming and for a variety of IT software applications. Must have experience in debugging and correcting errors in computer programs.</p> <p>Functional Responsibility Developer must have experience in analyzing customer needs and developing overall concept and design objectives. The developer must be able to create software in a variety of programming and for a variety of IT software applications. Must have experience in debugging and correcting errors in computer programs.</p> | 5 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| DEVELOPER, EXPERT | <p>Expert Developer must create software development plans and strategies. Must have experience in database design. Oversee work of developers. Conduct quality control of software development. Conduct proactive risk identification and mitigation of software development process. Must have experience in devising possible solutions to predicted problems, evaluating other options; working as part of a team, which may be established purely for a particular project, to write a specific section of the program; combining all elements of the program design and testing it; testing sample data-sets to check that output from the program works as intended.</p> | 15 years | Master's in computer science, electronics engineering or other engineering or technical discipline is required. |
| DEVELOPER, JUNIOR | <p>Junior Developer must have experience in the creation of error free software code under the direction and</p> | 1 years | Bachelor's degree in computer science, |

| Labor Category | Description | Experience | Education |
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| | supervision of senior software development managers. Must be able to write software documentation. | | electronics engineering or other engineering or technical discipline is required. |
| DEVELOPER, SENIOR | Senior Developer must be able to create logical and functional software code in a variety of languages. Must have experience in understanding and articulating the benefits and risks associated with different coding languages in different functional environments. | 8 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| RELEASE MANAGER | Release Manager must have experience in management of individual releases of software, hardware or other system components. Must have experience in coordinating with QA, Development, packaging and hardware teams. The release manager must have experience in documenting releases, risks and in maintaining the schedule of planned releases. | 10 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| TEST ENGINEER | Test Engineer must have experience in the coordination and execution of test events in accordance with approved test plans, procedures and scripts. Must have knowledge and skills to ensure that test environments are set up accurately. Must be able to create test reports. The test engineer must be able to test IT hardware, software, systems and networks. | 1 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| TEST ENGINEER, SENIOR | Senior Test Engineer must have experience working with developers, end users and organizations to create test plans and test scripts. Coordinate with test sites and other team participants to plan test events. experience in creating reports. Tracks problems and reports on errors that are identified. Must have experience with configuring necessary hardware and operating environments as needed to complete assigned testing. Must have comprehensive technical expertise on IT products, operating systems, software, hardware, systems and networks and specialized environments. Must have experience in writing or assisting in the development of test plans and test procedures. Must manage the defect database under the guidance of senior QA engineers. | 5 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| CYBER SECURITY ENGINEER | Cyber Security Engineer must have experience with Cyber Security Policy and threat mitigation. Must be well versed in Cyber Security Tools, network topologies, intrusion detection, PKI, and secured networks. Must have familiarity and experience in the implementation of cyber security regulations. | 5 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |
| CYBER SECURITY ENGINEER, SENIOR | Senior Cyber Security Engineer must extensive IT experience in all aspects of Cyber Security with a vast array of IT systems involving end user as well as enterprise level networks. Experience in designing and implementing systems that meet agency Cyber Security policy and regulations. Must have extensive experience in Cyber Security Tools, network topologies, intrusion detection, PKI, and secured networks. | 8 years | Bachelor's degree in computer science, electronics engineering or other engineering or technical discipline is required. |

Education Substitutions for SIN 54151S, 54151HEAL Labor Categories:

Education and experience may be substituted for each other. Each year of relevant experience may be substituted for one year of education and vice versa. In addition, certifications, professional licenses, and vocational technical training may be substituted for experience or education.

| Degree | Experience Equivalence* | Other Equivalence |
|-------------|--|---|
| High School | Three (3) years relevant experience | GED or completion of an accredited technical training program |
| Associates | One (1) year relevant experience | Vocational or technical training in work related field |
| Bachelor's | Associate's degree + 2 years relevant experience, or 4 years relevant experience | Professional certification |
| Master's | Bachelor's degree + 2 years relevant experience, or Associate's degree + 4 years relevant experience, or 6 years relevant experience | Professional license |
| Doctorate | Master's degree + 2 years relevant experience, or Bachelor's degree + 4 years relevant experience, or 8 years relevant experience | |

* Successful completion of each year of higher education that has not yet resulted in a degree may be counted for 1-for-1 for a year of experience.

7 IT70 54151S (132-51) LABOR RATES

The following labor rates are applicable to SIN 54151S: Information Technology (IT) Professional Services.

(CPS Facilities) Rates inclusive of the 0.75% Industrial Handling Fee

| Labor Category | Option Year 3 Pricing June 22 2024-June 21 2025 | Option Year 4 Pricing June 22 2025-June 21 2026 |
|---|---|---|
| PROGRAM MANAGER | \$223.16 | \$227.62 |
| PROJECT MANAGER | \$168.79 | \$172.17 |
| QUALITY ASSURANCE MANAGER | \$149.82 | \$152.81 |
| QUALITY ASSURANCE ANALYST II | \$120.94 | \$123.36 |
| QUALITY ASSURANCE ANALYST I | \$76.99 | \$78.53 |
| SUBJECT MATTER EXPERT II | \$140.94 | \$143.76 |
| SUBJECT MATTER EXPERT I | \$126.13 | \$128.65 |
| FUNCTIONAL ANALYST II | \$113.86 | \$116.14 |
| FUNCTIONAL ANALYST I | \$74.88 | \$76.38 |
| SYSTEMS ENGINEER II | \$149.55 | \$152.54 |
| SYSTEMS ENGINEER I | \$140.55 | \$143.36 |
| SENIOR INFORMATION ENGINEER | \$130.30 | \$132.91 |
| COMPUTER SYSTEMS ANALYST III | \$127.64 | \$130.19 |
| COMPUTER SYSTEMS ANALYST II | \$87.56 | \$89.31 |
| COMPUTER SYSTEMS ANALYST I | \$74.88 | \$76.37 |
| APPLICATIONS ENGINEER | \$148.74 | \$151.71 |
| APPLICATIONS PROGRAMMER III | \$123.25 | \$125.71 |
| APPLICATION PROGRAMMER II | \$105.16 | \$107.27 |
| APPLICATIONS PROGRAMMER I** | \$79.61 | \$81.20 |
| WEB PROGRAMMER | \$121.29 | \$123.72 |
| DATABASE MANAGEMENT SPECIALIST II | \$132.06 | \$134.70 |
| DATABASE MANAGEMENT SPECIALIST I | \$85.90 | \$87.62 |
| DATA MODELER II | \$115.09 | \$117.39 |
| DATA MODELER I | \$81.89 | \$83.53 |
| OPERATIONS MANAGER | \$118.63 | \$121.00 |
| SYSTEM ADMINISTRATOR III | \$142.56 | \$145.41 |
| SYSTEM ADMINISTRATOR II | \$125.06 | \$127.56 |
| SYSTEM ADMINISTRATOR I | \$79.23 | \$80.81 |
| TRAINING SPECIALIST II | \$95.65 | \$97.56 |
| TRAINING SPECIALIST I | \$86.89 | \$88.62 |
| HELP DESK MANAGER | \$98.85 | \$100.82 |
| HELP DESK SPECIALIST** | \$61.56 | \$62.79 |
| ENGINEER III | \$147.80 | \$150.76 |
| ENGINEER II | \$125.64 | \$128.16 |
| ENGINEER I | \$106.39 | \$108.52 |
| HARDWARE / NETWORK SPECIALIST** | \$87.26 | \$89.00 |
| HARDWARE / NETWORK INSTALLATION TECHNICIAN** | \$78.16 | \$79.72 |
| NETWORK ADMINISTRATOR I | \$57.83 | \$58.99 |
| SENIOR CONSULTANT | \$406.56 | \$414.69 |
| PREMIUM TECHNOLOGY MANAGER | \$213.99 | \$218.27 |
| PREMIUM TECHNOLOGY ANALYST | \$172.89 | \$176.34 |
| PREMIUM TECHNOLOGY CONSULTANT | \$145.23 | \$148.13 |
| COMPUTER SECURITY SYSTEMS SPECIALIST II | \$118.72 | \$121.09 |
| COMPUTER SECURITY SYSTEMS SPECIALIST I | \$82.04 | \$83.68 |
| DATA ENTRY SPECIALIST II** | \$53.93 | \$55.00 |
| DATA ENTRY SPECIALIST I** | \$44.62 | \$45.51 |

| Labor Category | Option Year 3 Pricing June 22 2024-June 21 2025 | Option Year 4 Pricing June 22 2025-June 21 2026 |
|---|---|---|
| TECHNICAL WRITER/EDITOR** | \$72.71 | \$74.16 |
| CONFIGURATION MANAGEMENT SPECIALIST III | \$104.81 | \$106.90 |
| CONFIGURATION MANAGEMENT SPECIALIST II | \$81.95 | \$83.59 |
| CONFIGURATION MANAGEMENT SPECIALIST I | \$70.36 | \$71.77 |
| DISASTER RECOVERY SPECIALIST | \$135.51 | \$138.22 |
| DATA RETRIEVAL SPECIALIST | \$51.11 | \$52.13 |
| SENIOR ARCHITECT | \$164.05 | \$167.33 |
| BUSINESS ANALYST, SENIOR | \$101.43 | \$103.46 |
| DEVELOPER | \$94.07 | \$95.95 |
| DEVELOPER, EXPERT | \$133.65 | \$136.32 |
| DEVELOPER, JUNIOR | \$71.05 | \$72.47 |
| DEVELOPER, SENIOR | \$109.73 | \$111.92 |
| RELEASE MANAGER | \$107.89 | \$110.05 |
| TEST ENGINEER | \$72.89 | \$74.34 |
| TEST ENGINEER, SENIOR | \$107.89 | \$110.05 |
| CYBER SECURITY ENGINEER | \$136.07 | \$138.79 |
| CYBER SECURITY ENGINEER, SENIOR | \$166.18 | \$169.50 |

NOTES:

- (1) Any non-professional services proposed must be incidental to and in direct support of the proposed professional services.
- (2) ** Indicates a Service Contract Act Labor Category

Service Contract Act (SCA) Matrix

| GSA Labor Category | GSA Labor Rate |
|--|----------------|
| APPLICATIONS PROGRAMMER I** | \$66.48 |
| HELP DESK SPECIALIST** | \$51.38 |
| HARDWARE / NETWORK SPECIALIST** | \$72.88 |
| HARDWARE / NETWORK INSTALLATION TECHNICIAN** | \$65.27 |
| DATA ENTRY SPECIALIST II** | \$44.99 |
| DATA ENTRY SPECIALIST I** | \$37.20 |
| TECHNICAL WRITER/EDITOR** | \$60.71 |

SCA MATRIX Department of Labor WD-2015-4281 Revised 4/8/2016

| SCA Eligible Contract Labor Category | SCA Equivalent Code Title | WD Number/Rate |
|--|--------------------------------------|----------------|
| APPLICATIONS PROGRAMMER I** | Computer Programmer I | 14071 \$26.36 |
| HELP DESK SPECIALIST** | Personal Computer Support Technician | 14160 \$26.22 |
| HARDWARE / NETWORK SPECIALIST** | Personal Computer Support Technician | 14160 \$26.22 |
| HARDWARE / NETWORK INSTALLATION TECHNICIAN** | Personal Computer Support Technician | 14160 \$26.22 |
| DATA ENTRY SPECIALIST II** | Computer Operator II | 14042 \$21.18 |
| DATA ENTRY SPECIALIST I** | Computer operator I | 14041 \$18.92 |
| TECHNICAL WRITER/EDITOR** | Technical writer I | 30461 \$24.12 |

"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 SCA 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."

8 SIN 54151HEAL LABOR CATEGORY DESCRIPTIONS AND RATES

The following labor rates are applicable to SIN 54151HEAL: Health Information Technology (HIT) Professional Services.

(CPS Facilities) Rates inclusive of the 0.75% Industrial Handling Fee

| HEALTHCARE LABOR CATEGORY | DESCRIPTION |
|---|---|
| HEALTH INFORMATION TECHNOLOGY PROJECT MANAGER | <p>Serves as the project manager for large, complex Health task orders and shall assist the Program Manager in working with the Contracting Officer (CO), the contract-level Contracting Officer's Representative (COR), the task order-level COR(s), government management personnel and customer agency representatives. Oversees and performs day-to-day management of assigned project. Manage teams of HIT experts and consultants. Demonstrates proven skills in HIT areas addressed by the delivery order to be managed. Organizes, directs, and coordinates the planning and production of all activities associated with assigned delivery order projects, including staff performance, deliverables, and Travel & ODCs expenditure. Minimum Exp: 4 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |
| HEALTH INFORMATION TECHNOLOGY SUBJECT MATTER EXPERT | <p>Ability to provide technical direction for problem definition, analysis, requirements development and implementation for complex to extremely complex HIT systems in the subject matter area. Ability to make recommendations and advise on organization-wide HIT system improvements, optimization, or maintenance efforts in any of the following specialties: Health Information Systems Architecture; Networking; Telecommunications; Automation; Communications Protocols; Risk Management/Electronic Analysis; Software; Life-Cycle Management; Software Development Methodologies; Modeling and Simulation, related to Health IT. Minimum Exp: 5 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |
| HEALTH INFORMATION TECHNOLOGY SOLUTIONS ARCHITECT | <p>Provides architectural design, development, and deployment of the enterprise's healthcare systems and data sources. Develop and execute architecture strategies, feasibility studies, and integration related to healthcare implementations. Able to independently gather and define architecture requirements, healthcare system relationships and ensure that the architectures are compatible and in compliance with the appropriate IT organization and project standards. Minimum Exp: 2 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |

| | |
|---|---|
| <p>HEALTH INFORMATION TECHNOLOGY ENGINEER</p> | <p>Performs concept exploration and assessment, application development, systems integration, system of systems integration, performance management, technology assessment, testing and validation related to Health IT. Supports Senior System Engineers, as required. Analyzes and develops technical documentation detailing the integration and system performance. May perform other duties as assigned. Under general supervision, defines and executes integration engineering activities within a project. These activities may consist of concept exploration and assessment, systems integration, system of systems integration, performance management, technology assessment, testing and validation, and development and staffing of a systems integration plan related to Health IT. Minimum Exp: 2 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |
| <p>HEALTH INFORMATION TECHNOLOGY DATA ANALYST, SENIOR</p> | <p>Provides architectural design, development, and deployment of the enterprise's healthcare systems and data sources. Develop and execute architecture strategies, feasibility studies, and integration related to healthcare implementations. Able to independently gather and define architecture requirements, healthcare system relationships and ensure that the architectures are compatible and in compliance with the appropriate IT organization and project standards. Minimum Exp: 2 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |
| <p>HEALTH INFORMATION TECHNOLOGY DATA ANALYST</p> | <p>Performs systems analysis of computers, systems, and data related to Health IT. Supports a Systems and Data Analyst, as required. Technically supports the overall integration of all systems peripherals so that they operate correctly within a predefined environment. Develops technical documentation detailing the installation procedures. May perform other duties, as assigned. Under supervision, performs systems analysis of computer and communications/network systems related to Health IT. Supports the installation of computer operating systems, network, and application software, and computer/network hardware. provides troubleshooting support to assist Systems Analysts. Minimum Exp: 2 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience.</p> |
| <p>HEALTH INFORMATION TECHNOLOGY TEST MANAGER</p> | <p>Collaborates and advises the HIT Program Managers about testing strategies and status of their respective HIT products being tested. Provides on-site direction and coordination for all task related development efforts. Responsibilities include identifying new technologies that can be applied to reduced costs, optimize performance, or improve the overall quality of the output-products being developed under the task. Manages test resources, systems, set priorities with personnel tasking, schedule and test reporting across stakeholder community. Directs testing personnel on testing requirements and testing formats. Provides testing subject matter expertise across health applications. Works with individual health product owners to determine processes and policies as they relate to specific applications. Provides program with assistance concerning planning, execution and reporting of test events related to Health IT. Minimum Exp: 2 years Education Substitution: Bachelors Degree equal to four additional years relevant experience</p> |

| | |
|--|--|
| HEALTH INFORMATION TECHNOLOGY SENIOR TEST ENGINEER | Experienced in the use and application of healthcare data in support of applications testing and software quality assurance. Develops test plans, design individual test scenarios, executes and documents test scenario results, as well as compiles Test Reports. Contributes to the development of test plans, developing individual test scenarios, executing, and documenting test scenario results, and documenting the results of individual test scenarios in Test Reports specific to Health Information Technology. Minimum Exp: 3 years Education Substitution: Bachelors Degree is equal to four additional years relevant experience. |
| HEALTH INFORMATION TECHNOLOGY TEST ENGINEER | Performs a variety of testing tasks to validate the functional and operational aspects of health applications. Executes test plans, test scenarios, and documents the results of a set of individual test scenarios in Test Reports specific to Health Information Technology. Minimum Exp: 1 year Education Substitution: Bachelors Degree is equal to four additional years relevant experience. |
| HEALTH INFORMATION TECHNOLOGY TRAINING SPECIALIST | Provides formal and informal implementation guidance, integration, and change management in training tasks (on the job training, formal and informal classroom, and over the shoulder training) to support functional users requiring assistance in implementing, using, and integrating Health IT systems and its increments into the business process. Provides HIT functional support and performs system status checks as needed to ensure training materials and classroom/virtual infrastructure is in place and operationally ready. Minimum Exp: 2 years Education Substitution: Bachelors Degree equal to four additional years relevant experience |

54151HEAL Rates

| | CPSIT Solutions HEALTHCARE SIN's | | | |
|---|----------------------------------|-----------|---|---|
| Health Information Technology (HIT) Labor Category | SIN | Rate Unit | Option Year 3 Pricing June 22 2024-June 21 2025 | Option Year 4 Pricing June 22 2025-June 21 2026 |
| Health Information Technology Training Specialist | 54151HEAL | Hourly | \$106.15 | \$108.28 |
| Health Information Technology Training Test Manager | 54151HEAL | Hourly | \$106.15 | \$108.28 |
| Health Information Technology Test Engineer | 54151HEAL | Hourly | \$86.74 | \$88.48 |
| Health Information Technology Test Engineer, Senior | 54151HEAL | Hourly | \$86.74 | \$88.48 |
| Health Information Technology Subject Matter Expert | 54151HEAL | Hourly | \$127.43 | \$129.98 |
| Health Information Technology Data Analyst, Senior | 54151HEAL | Hourly | \$127.43 | \$129.98 |
| Health Information Technology Project Manager | 54151HEAL | Hourly | \$142.31 | \$145.15 |



| | | | | |
|---|-----------|--------|----------|----------|
| Health Information Technology Solutions Architect | 54151HEAL | Hourly | \$127.43 | \$129.98 |
| Health Information Technology Engineer | 54151HEAL | Hourly | \$127.43 | \$129.98 |
| Health Information Technology Data Analyst | 54151HEAL | Hourly | \$76.85 | \$78.39 |

