

**FEDERAL SUPPLY SERVICE
AUTHORIZED INFORMATION TECHNOLOGY SCHEDULE PRICELIST**

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SCHEDULE TITLE: Federal Supply Schedule 70 – GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT, SOFTWARE, AND SERVICES

SPECIAL ITEM NUMBER: **Special Item No. 132-33:** Perpetual Software Licenses, FSC Class 7030 – Information Technology Software, **Special Item No. 132-34:** Maintenance of Software, **Special Item No. 132-50:** Training Courses, FSC/PSC Code U012 – Information Training, **Special Item No. 132-51:** Information Technology Professional Services, FPDS Code D302 IT Systems Development Services, FPDS Code D306 IT Systems Analysis Services, FPDS Code D307 Automated Information Systems Design and Integration Services, FPDS Code D308 Programming Services, FPDS Code D399 Other Information Technology Services, Not Elsewhere Classified, **Special Item No. 132-56: Health IT Services,** *FPDS Code D302 IT Systems Development Services, FPDS Code D306 IT and Telecom-Systems Analysis, FPDS Code D308 IT and Telecom – Programing, FPDS Code D307 IT Strategy and Architecture, FPDS Code D310 IT and Telecom Cyber Security and Data Backup, FPDS Code D311 IT and Telecom – Data Conversion*

CONTRACT NUMBER: GS-35F-0379K

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Period Covered by Contract: May 5, 2000 through May 4, 2020

Pricelist current through Modification #0070, dated January 16, 2018

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CONTRACTOR: KRATOS TECHNOLOGY & TRAINING SOLUTIONS, INC.

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KTTS is a Large Business

CUSTOMER INFORMATION:

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

SIN	Description
132 50	Information Technology Training Courses - SUBJECT TO COOPERATIVE PURCHASING
132 33	Perpetual Software Licenses
132 34	Maintenance of Software as a Service
132 51	Information Technology Professional Services
132 56	Health IT Services

1b. LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:

(Government net price based on a unit of one)

SIN	Course	Price
132 50	Web Server Software Training	\$635.00
132 33	C-MEDIA	\$37.78
132 34	Newport and Mercury 5 year Maint.	10% of Purchase Price
132 51	Support Staff – E Govt. Site	\$38.16
132 56	Health IT Administrative Entry, Govt.	\$30.67

1c. Description of all corresponding commercial job titles, experience, functional responsibility and education:

SIN 132-51 Labor Category Descriptions

1. PROGRAM MANAGEMENT

1.1. Senior Program Manager: Responsible for the management, performance, and completion of a major contract program. Manages and directs, with full authority, all phases of a program from inception to completion. Coordinates proposal criteria. Maintains contact with customer regarding technical specifications. Directs the integration of a program management team, which may include purchasing, engineering, quality assurance, manufacturing, administrative, and functional areas. Oversees the development of design concepts and test criteria. May supervise activities of one or more product groups or divisions. Typically requires an advanced degree with seven to ten years related experience

1.2. Program Manager: Responsible for the management, performance, and completion of a major contract program. Manages and directs, with direction from the Senior Program Manager, all phases of a program from inception to completion. Coordinates proposal criteria. Maintains contact with customers regarding technical specifications. Directs the integration of program management team, which may include purchasing, engineering, quality assurance, manufacturing, and administrative and functional areas. Oversees the development of design concepts and test criteria. May supervise activities of one of more product groups or divisions. Typically requires a college degree or equivalent and seven to nine years related experience.

- 1.3. Senior Project Manager: Responsible for the management, performance, and completion of major new project. Oversees all data preparation and collection for new major project. Provides technical expertise to Program Managers as needed. Interfaces with other departments to prepare cost justifications, recommend priority, and generate schedules. Ensures completion of detailed schedules for projects from initiation to delivery and keeps management informed of any deviations. Monitors status of projects including: cost, timing, and staffing. Typically reports to the Program Manager. May require knowledge and understanding of project monitoring and reporting systems. Typically requires a college degree or equivalent and five to seven years-related experience.
- 1.4. Project Manager: Responsible for the management, performance, and completion of a major new project. Oversees data preparation and collection for new major projects. Interfaces with other departments to prepare cost justifications, recommended priority, and generate schedules. Ensures completion of detailed schedules for projects from initiation to delivery and keeps management informed of any deviations. Monitors status of projects including: cost, timing, and staffing. Typically reports to the Senior Project Manager. May require knowledge and understanding of project monitoring and reporting systems. Typically requires a college degree or equivalent and two to four years-related experience.

2. SYSTEMS ENGINEER

- 2.1. Systems Engineer -A Responsible for establishing techniques for the design, development, and troubleshooting of highly complex software programs for computer based systems. Designs, develops, and coordinates the application of state-of-the-art techniques for complex software programs for computer-based systems. Performs technical risk management and assessment. May work solo on projects requiring advanced knowledge or a particular field of specialization. Prepares software documentation, test procedures, instruction manuals, and related information. Required maintaining contact with customer to define and clarify system requirements. May provide leadership involving the planning, scheduling, and coordination of projects. Typically requires an advanced technical degree, or equivalent and ten years-related experiences.
- 2.2. System Engineer- B Responsible for establishing techniques for the design, development, and troubleshooting of highly complex software programs for computer-based systems. Designs, develops, and coordinates the application of the state-of-the-art techniques for complex software programs for computer-based systems. Performs technical risk management and assessment. Prepares software documentation, test procedures, instruction manuals, and related information. Required maintaining contact with customer to define and clarify systems requirements. May provide direction involving the planning, scheduling and coordination of projects. Typically requires an advanced technical degree, or equivalent and seven years-related experiences.
- 2.3. System Engineer- C Responsible for designing, developing, and troubleshooting complex software programs for computer-based systems. Performs systems modeling, simulation, and analysis in designing assemblers, liners, compilers, and operating systems utilities. Responsibilities include designing specific enhancements and planning upgrades to operating systems. Advises hardware engineers on system characteristics that affect software systems.

Provides input for documentation on new or existing programs. May provide direction by assigning and monitoring work, and training new employees. Typically requires a technical degree, or equivalent and six years-related experiences.

- 2.4. System Engineer D Responsible for designing, developing, and troubleshooting complex software programs for computer-based systems. Performs systems modeling, simulation, and analysis in designing assemblers, liners, compilers, and operating systems utilities. Responsibilities include designing specific enhancements and planning upgrades to operating systems. Provides input for documentation on new or existing programs. May provide direction by assigning and monitoring work, and training new employees. Typically requires a technical degree, or equivalent and five years-related experiences.
- 2.5. Systems Engineer E Under general supervision, designs, develops, and troubleshoots complex software programs for computer-based systems. Performs systems modeling, simulation, and analysis in designing assemblers, liners, compilers and operating systems utilities. Responsibilities include designing specific enhancements and planning upgrades to operating systems. Provides input for documentation on new and existing programs. May provide work leadership by training new employees and assigning and monitoring work. Typically requires a college degree or equivalent and three to five years related experience.
- 2.6. Systems Engineer- F Under direct supervision assists in the analysis, design, programming, and modification of computer programs for software products and/or customer applications. Writes code and completes programming, testing, and debugging of applications. Finalizes forms, procedures, and documentation needed for installation and maintenance of application programs. May interface with marketing and users to add new or custom features to company products. Typically requires a college degree or equivalent and two to four years related experience.

3. PROGRAMMER ANALYST

- 3.1. Sr. Programmer Analyst- A Competent to establish techniques for design and modification of programs for software products and/or customer applications. Manages highly complex projects. Consulted on most complex technical questions. Typically requires a MS degree or equivalent and at least ten years related experience. Demonstrated advanced problem solving ability with computer applications.
- 3.2. Sr. Programmer Analyst - B Competent to perform the most complex analysis, design, programming and modifying programs for software products and/or customer applications. Provides technical supervision to lower level employees. Typically requires a MS degree or equivalent and seven to nine years related experience. Demonstrated advanced problem solving ability with computer applications.
- 3.3. Sr. Programmer Analyst - C Competent to perform the most complex analysis, design, programming and modifying programs for software products and/or customer applications. May provide technical advice to lower level employees. Typically requires a college degree or equivalent and six to eight years related experience. Demonstrated advance problems solving ability with computer applications.

- 3.4. Sr. Programmer Analyst - D Competent to perform the most complex analysis, design, programming and modifying programs for software products and/or customer applications. May provide technical advice to lower level employees. Typically requires a college degree or equivalent and five to seven years related experience. Demonstrated advance problem solving ability with computer applications.
- 3.5. Programmer Analyst - A Under general supervision, formulates/defines system scope and objectives. Devises or modifies procedures to solve complex programming problems considering computer equipment capacity and limitations, operating time, and form of desired results. Prepares detail specifications for which programs will be written. Designs, codes, tests, debugs, and documents those programs. May provide guidance and training to less experienced programmers. Typically requires a college degree or equivalent, and three to five years related experience. Demonstrated problem solving ability with computers.
- 3.6. Programmer Analyst - B Under limited supervision, assists in formulating/defining system scope and objectives through research and fact-finding to develop or modify information for processing normal business programming problems. Prepares detailed specifications from which programs will be written. Designs, codes, tests, debugs, documents, and maintains those programs. Competent to work in most phases of applications systems analysis and programming activities, but spends majority of time programming. Typically requires a college degree or equivalent and two to four years related experience. Demonstrated problem solving ability with computers.
- 3.7. Programmer Analyst - C Under direct supervision, assist in the research, evaluation, testing, and possible implementation of developing or modifying information systems for processing normal business operating problems. Assists in the preparation of detailed specifications from which programs will be written. Designs, codes, test, debugs, documents, and maintains these programs. Requires familiarity with information systems and application systems analysis. Typically requires a college degree and one to three years related experience. Demonstrated problem solving ability with computers.

4. TECHNICIAN/SPECIALIST

- 4.1. Technician A Under general supervision, responsible for the supervising the technician staff in customer support activities involving installation, modification, and repair of equipment and systems. Directs subordinates work following established company policies and procedures. Develops schedules and assigns work to meet critical service projects. Ensures maintenance contracts for services are fulfilled. Oversees that appropriate documentation and records are kept. Communicates with other departments and customers to ensure satisfactory customer support. Typically requires a college degree or equivalent and five years related experience.
- 4.2. Technician B Under general supervision performs company support activities for equipment and systems products. Using established company guidelines performs on-site installation, preventive maintenance, routine repair, and calibration of company s product and equipment such as writing and cabling. Serves as customer contact on technical and service related problems. May instruct customer in proper use and operation of equipment. This person may

assist lower level technicians. Refers more complex problems to supervisor. Typically requires an AA degree in electronics technology and demonstrated mechanical/electrical aptitude.

- 4.3. Technician C Under general supervision performs company support activities for equipment and systems products. Using established company guidelines performs on-site installation, preventive maintenance, routine repair, and calibration of company's product and equipment such as wiring and cabling. Serves as customer contact on technical and service related problems. May instruct customer in proper use and operation of equipment. This person may assist lower level technicians, Refers more complex problems to supervisor. Typically requires a high school education and technical formal training with one to two years related experience.
- 4.4. Technician D Under direct supervision performs customer support activities for equipment and systems products such as wiring, cabling, and relatively noncomplex equipment. Assists higher-level technicians with on-site installations, checkout, and emergency repairs. Sorts, counts, and check raw materials, finished and semi-finished parts. May be required to prepare and package materials for shipment. May contact vendors for routine supplies. Delivers and picks up company mail from multiple sites. Typically requires a high school diploma or equivalent with formal technical training beyond high school.

5. PUBLICATIONS

- 5.1. Publications Specialist A Responsible for managing the preparation of technical copy for company publications. Directs and coordinates efforts of writers, editors, and illustrators. Exercise quality and cost control over documents intended for internal and external distribution. Responsible for source material and technical data and the nature and extent of revision to existing documentation. Edits individualized copy of analytical, interpretive, documentary, and/or promotional literature. Oversees production schedule to ensure timely delivery of documentation to internal and external users. May assist in preparation and layout of work for publication. Typically reports to a Senior Project Manager or Vice President. Requires a working knowledge of engineering technology and electronic systems. Typically requires a college degree or equivalent and seven years related experience.
- 5.2. Publications Specialist B Under general supervision performs a wide variety of technical illustrations for various company publications. Plans, lays out, and prepares complex line illustrations for manuals, handbooks, technical reports, presentations, promotional literature, and other publications. Chooses techniques, which will best produce desired visual effect in compliance with established quality standards. May act as technical consultant on matters pertaining to design, composition, and methods of presenting engineering data. Utilizes a broad range of graphics production equipment and supplies. Requires thorough knowledge of all phases of illustrating as well as printing and photographic processes. Typically requires a technical degree or equivalent and five years related experience.
- 5.3. Publications Specialist C Under limited supervision performs semi-routine technical illustrations for various company publications. Plans, lays out, and prepares line illustrations for manuals, handbooks, technical reports, presentations, promotional literature, or other publications. Works from rough sketches, engineering drawings, models, photographs or

other documentation to prepare illustration. Requires a working knowledge of all phases of illustrating as well as printing and photographic processes. Typically requires a technical degree or equivalent and two years related experience.

6. SUPPORT/ADMINISTRATIVE STAFF

6.1. Support Staff A: (Assistant Controller) Responsible for developing, implementing, and maintaining the company cost accounting system (s). Oversees the data collection, cost allocation, and report preparation for material purchases, labor, equipment depreciation, repairs, assembly, and operating expenses to ensure established procedures are followed. Prepares financial statements and reports, which compare budget to actual expenses. Investigates cost structures for new and existing services and products. Typically reports to the CFO. Typically requires a college degree or equivalent and four to six years' experience. CPA desirable.

6.2. Support Staff C: (2 positions in this category)

6.2.1. Buyer: Under limited supervision, provides assistance in the performance of various routine purchasing assignments and planning or production materials. Procures supplies, raw materials, and equipment necessary for the operation of the organization. Checks requisitions and contacts vendors. Exercises a good working knowledge of materials and sources of supply to make purchases at prices consistent with quality and quantity requirements. Plans, schedules, and monitors materials through production. Evaluates vendor reliability. Typically reports to the Purchasing manager. Typically requires a college degree or equivalent and two to four years related experience.

6.2.2. Staff Accountant: Under general supervision, performs a wide variety of semi-complex duties of an accounting nature. Requires initiative and a significant amount of judgment making correct account adjustments and allocations. Duties may include, but not limited to; analyzing accounting documents for accuracy, investigating questionable data, and taking corrective action when necessary. Reconciles complex accounts and balances accounts payable/receivable records. May establish plans and procedures for new assignments. Typically requires a high school education or equivalent and at least three to five years related experience including knowledge of basic accounting policies.

6.3. Support Staff D

6.3 Junior Accountant: Under general supervision, performs general accounting work and an entry level professional. Assists in one or more of the following functions: preparing trial balances, makes adjusting, and closing entries, preparing balance sheets, and preparing other reports on profit and loss, inventory, receipts, and disbursements. Typically requires a college degree or equivalent and basic knowledge of accounting theory and practices. Typically reports to the Accounting Manager.

6.4 Support Staff E

6.4 Support Staff E: Under limited supervision, performs specialized administrative support tasks of non-routine and non-repetitive nature to assist principal, administrative, or line manager/directors.

Requires knowledge of company procedures and product line. Greet customers, clients, vendors, employment applicants and other visitors, and may handle incoming telephone calls. Directs visitors and callers to proper person or department. Pages persons when necessary and takes messages as appropriate. May perform light clerical tasks, such as word processing, filing, and record keeping. Requires ability to work with a word processor or personal computer, including typing skills of 60 wpm. Typically requires a high school education or equivalent and three to four years related experience.

7. ADMINISTRATIVE ASSISTANT

7.1. Administrative Specialist A: Under general supervision, performs a variety of administrative duties, usually for upper level management or corporate office in a multilevel organization. Performs secretarial and administrative duties involving independent judgment, initiative, and tact. May work on assignments that are sensitive in nature with contacts inside and outside the company. Gathers and prepares information relative to the executive s/ V.P. s function. Requires detailed knowledge of company operations, organizational procedures, and personnel. Requires ability to work with a word processor or personal computer, including typing skills of 60 wpm. Typically requires some college and three to five-years related experience.

SIN 132-56 Health IT Labor Category Descriptions

1. Entry Level Health IT Administration/Clerical

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Responsible for developing, drafting, writing and editing Health IT reports, briefs, proposals, and other documents in support of a client's requirements. Interfaces with medical personnel to coordinate meetings, maintain logs, records and files, provides end-user support, and performs general administrative duties. Assists in budgetary, billing, and financial management. Responsible for preparing and/or maintaining Health IT systems, programming and operations documentation, procedures and methods, including user reference manuals.

2. Journeyman Level Health IT Administration/Clerical

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with

appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Responsible for developing, drafting, writing and editing Health IT reports, briefs, proposals, and other documents in support of a client's requirements. Interfaces with medical personnel to coordinate meetings, maintain logs, records and files, provides end-user support, and performs general administrative duties. Assists in budgetary, billing, and financial management. Responsible for preparing and/or maintaining Health IT systems, programming and operations documentation, procedures and methods, including user reference manuals.

3. Senior Level Health IT Administration/Clerical

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Responsible for developing, drafting, writing and editing Health IT reports, briefs, proposals, and other documents in support of a client's requirements. Interfaces with medical personnel to coordinate meetings, maintain logs, records and files, provides end-user support, and performs general administrative duties. Approves budgetary, billing, and financial management. Responsible for preparing and/or maintaining Health IT systems, programming and operations documentation, procedures and methods, including user reference manuals.

4. Entry Level Health IT Applications Developer

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Designs, develops, enhances, debugs, and implements Health IT software. Troubleshoots production problems related to Health IT software applications. Researches, tests, builds, and coordinates the conversion and/or integration of new Health IT products based on client requirements. Designs and develops new medical software products or major enhancements to existing software. Addresses problems of Health IT systems integration, compatibility, and multiple platforms. Consults with project teams and end users to identify application requirements. Performs feasibility analysis on potential future projects to management. Assists in the evaluation and recommendation of Health IT application software packages, application

integration and testing tools.

Resolves problems with software and responds to suggestions for improvements and enhancements. Acts as team leader on projects. Instructs, assigns, directs, and checks the work of other software developers on development team. Participates in development of software user manuals.

5. Journeyman Level Health IT Applications Developer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Designs, develops, enhances, debugs, and implements Health IT software. Troubleshoots production problems related to Health IT software applications. Researches, tests, builds, and coordinates the conversion and/or integration of new Health IT products based on client requirements. Designs and develops new medical software products or major enhancements to existing software. Addresses problems of Health IT systems integration, compatibility, and multiple platforms. Consults with project teams and end users to identify application requirements. Performs feasibility analysis on potential future projects to management. Assists in the evaluation and recommendation of Health IT application software packages, application integration and testing tools.

Resolves problems with software and responds to suggestions for improvements and enhancements. Acts as team leader on projects. Instructs, assigns, directs, and checks the work of other software developers on development team. Participates in development of software user manuals.

6. Senior Level Health IT Applications Developer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Designs, develops, enhances, debugs, and implements Health IT software. Troubleshoots production problems related to Health IT software applications. Researches, tests, builds, and coordinates the conversion and/or integration of new Health IT products based on client requirements. Designs and develops new medical software products or major enhancements to existing software. Addresses problems of Health IT systems integration, compatibility, and multiple platforms. Consults with project teams and end users to identify application requirements. Performs feasibility analysis on potential future projects to management.

Assists in the evaluation and recommendation of Health IT application software packages, application integration and testing tools.

Resolves problems with software and responds to suggestions for improvements and enhancements. Acts as team leader on projects. Instructs, assigns, directs, and checks the work of other software developers on development team. Participates in development of software user manuals.

7. Master Level Health IT Applications Developer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Designs, develops, enhances, debugs, and implements Health IT software. Troubleshoots production problems related to Health IT software applications. Researches, tests, builds, and coordinates the conversion and/or integration of new Health IT products based on client requirements. Designs and develops new medical software products or major enhancements to existing software. Addresses problems of Health IT systems integration, compatibility, and multiple platforms. Consults with project teams and end users to identify application requirements. Performs feasibility analysis on potential future projects to management. Assists in the evaluation and recommendation of Health IT application software packages, application integration and testing tools.

Resolves problems with software and responds to suggestions for improvements and enhancements. Acts as team leader on projects. Instructs, assigns, directs, and checks the work of other software developers on development team. Participates in development of software user manuals.

8. Entry Level Health IT Applications Systems Analyst

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Formulates/defines Health IT 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. Prepares detailed specifications for programs. Assists in the design, development, testing, implementation, and documentation of new Health IT software and enhancements of existing applications. Works with project managers, developers, and end users to ensure application designs meet business requirements. Formulates/defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the

manufacturer. Designs, codes, tests, debugs, and documents those programs. Provides overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Assists all phases of medical software systems programming applications. Evaluates new and existing software products.

9. Journeyman Level Health IT Applications Systems Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Formulates/defines Health IT 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. Prepares detailed specifications for programs. Assists in the design, development, testing, implementation, and documentation of new Health IT software and enhancements of existing applications. Works with project managers, developers, and end users to ensure application designs meet business requirements. Formulates/defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Provides overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Assists all phases of medical software systems programming applications. Evaluates new and existing software products.

10. Senior Level Health IT Applications Systems Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Formulates/defines Health IT 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. Prepares detailed specifications for programs. Assists in the design, development, testing, implementation, and documentation of new Health IT software and enhancements of existing applications. Works with project managers, developers, and end users to ensure application designs meet business requirements. Formulates/defines specifications for complex operating software programming applications

or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Provides overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Assists all phases of medical software systems programming applications. Evaluates new and existing software products.

11. Master Level Health IT Applications Systems Analyst

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Formulates/defines Health IT 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. Prepares detailed specifications for programs. Assists in the design, development, testing, implementation, and documentation of new Health IT software and enhancements of existing applications. Works with project managers, developers, and end users to ensure application designs meet business requirements. Formulates/defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Provides overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Assists all phases of medical software systems programming applications. Evaluates new and existing software products.

12. Journeyman Level Health IT Business Process Consultant

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Analyzes process and re-engineering requirements, with an understanding of technical medical problems and solutions as they relate to the current and future Health IT business environment. Creates process change by integrating new processes with existing ones and communicating these changes to impacted

Business Systems teams. Recommends and facilitates quality improvement efforts.

13. Senior Level Health IT Business Process Consultant

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Analyzes process and re-engineering requirements, with an understanding of technical medical problems and solutions as they relate to the current and future Health IT business environment. Creates process change by integrating new processes with existing ones and communicating these changes to impacted Business Systems teams. Recommends and facilitates quality improvement efforts.

14. Journeyman Health IT Business Systems Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Formulates and defines Health IT systems scope and objectives based on both user needs and a thorough understanding of business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on complex medical projects and is considered to be the top level contributor/specialist of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

15. Senior Level Health IT Business Systems Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Formulates and defines Health IT systems scope and objectives based on both user needs and a thorough understanding of business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on complex medical projects and is considered to be the top level contributor/specialist of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

16. Master Level Health IT Chief Information Security Officer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Responsible for determining Health IT enterprise information security standards. Develops and implements information security standards and procedures. Provides tactical information security advice and examining the ramifications of new technologies. Ensures that all Health IT information systems are functional and secure.

17. Senior Level Health IT Computer Scientist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Acts as a senior consultant in complex or mission critical Health IT requirements. Develops, modifies, and applies computer modeling and programming applications to analyze and solve mathematical and scientific

problems affecting system and program performance. Participates in all phases of Health IT scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.

18. Master Level Health IT Computer Scientist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Acts as a senior consultant in complex or mission critical Health IT requirements. Develops, modifies, and applies computer modeling and programming applications to analyze and solve mathematical and scientific problems affecting system and program performance. Participates in all phases of Health IT scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.

19. Senior Level Health IT Computer Forensic & Intrusion Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides knowledge in Health IT computer and network forensics. Conducts vulnerability assessments/penetration tests of medical information systems. Develops, researches and maintains proficiency in tools, techniques, countermeasures, and trend in computer and network vulnerabilities, data hiding, and encryption. Identifies, deters, monitors, and investigates Health IT computer and network intrusions. Provides computer forensic support to high technology investigations in the form of evidence seizure, computer forensic analysis, and data recovery.

20. Master Level Health IT Computer Forensic & Intrusion Analyst

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

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21. Journeyman Level Health IT Configuration Management Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides Health IT configuration management planning. Describes provisions for configuration identification, change control, configuration status accounting, and configuration audits. Regulates the Health IT change process so that only approved and validated changes are incorporated into product documents and related software.

22. Senior Level Health IT Configuration Management Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides Health IT configuration management planning. Describes provisions for configuration identification, change control, configuration status accounting, and configuration audits. Regulates the Health IT change process so that only approved and validated changes are incorporated into product documents and related software.

23. Master Level Health IT Configuration Management Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Provides Health IT configuration management planning. Describes provisions for configuration identification, change control, configuration status accounting, and configuration audits. Regulates the Health IT change process so that only approved and validated changes are incorporated into product documents and related software.

24. Senior Level Health IT Data Architect

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Designs and builds Health IT relational databases. Performs data access analysis design, and archive/recovery design and implementation. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Works in a Health IT data warehouse environment, which includes data design, database architecture, and metadata repository creation. Translates medical business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops Health IT data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Reviews and develops object and data models and the metadata repository to structure the data for better management and quicker access.

25. Master Level Health IT Data Architect

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Designs and builds Health IT relational databases. Performs data access analysis design, and archive/recovery design and implementation. Develops strategies for data acquisitions, archive recovery, and implementation of a database. Works in a Health IT data warehouse environment, which includes data design, database architecture, and metadata repository creation. Translates medical business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops Health IT data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Reviews and develops object and data models and the metadata repository to structure the data for better management and quicker access.

26. Entry Level Health IT Data Warehousing Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Coordinates the data administration technical function for both Health IT data warehouse development and maintenance. Facilitates change control, problem management, and communication among data architects, programmers, analysts, and engineers. Establishes and enforces processes to ensure a consistent, well managed, and well-integrated data warehouse infrastructure. Analyzes and identifies Health IT data and metadata requirements. Defines user requirements and database design specifications. Designs, implements, and supports data warehousing requirements. Implements business rules via stored procedures, middleware, or other technologies. Provides Health IT product support and maintenance of the data warehouse. Performs data warehouse design and construction. Prepares/implements data verification and testing methods for the data warehouse.

27. Journey Level Health IT Data Warehousing Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Coordinates the data administration technical function for both Health IT data warehouse development and maintenance. Facilitates change control, problem management, and communication among data architects, programmers, analysts, and engineers. Establishes and enforces processes to ensure a consistent, well managed, and well-integrated data warehouse infrastructure. Analyzes and identifies Health IT data and metadata requirements. Defines user requirements and database design specifications. Designs, implements, and supports data warehousing requirements. Implements business rules via stored procedures, middleware, or other technologies. Provides Health IT product support and maintenance of the data warehouse. Performs data warehouse design and construction. Prepares/implements data verification and testing methods for the data warehouse.

28. Senior Level Health IT Data Warehousing Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Coordinates the data administration technical function for both Health IT data warehouse development and maintenance. Facilitates change control, problem management, and communication among data architects, programmers, analysts, and engineers. Establishes and enforces processes to ensure a consistent, well managed, and well-integrated data warehouse infrastructure. Analyzes and identifies Health IT data and metadata requirements. Defines user requirements and database design specifications. Designs, implements, and supports data warehousing requirements. Implements business rules via stored procedures, middleware, or other technologies. Provides Health IT product support and maintenance of the data warehouse. Performs data warehouse design and construction. Prepares/implements data verification and testing methods for the data warehouse.

29. Master Level Health IT Data Warehousing Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls

activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Coordinates the data administration technical function for both Health IT data warehouse development and maintenance. Facilitates change control, problem management, and communication among data architects, programmers, analysts, and engineers. Establishes and enforces processes to ensure a consistent, well managed, and well-integrated data warehouse infrastructure. Analyzes and identifies Health IT data and metadata requirements. Defines user requirements and database design specifications. Designs, implements, and supports data warehousing requirements. Implements business rules via stored procedures, middleware, or other technologies. Provides Health IT product support and maintenance of the data warehouse. Performs data warehouse design and construction. Prepares/implements data verification and testing methods for the data warehouse.

30. Entry Level Health IT Database Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides all activities related to the administration of computerized Health IT databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Designs, creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex Health IT databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs Health IT database programming and supports systems design. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, file design and storage, and integration of systems through database design.

31. Journeyman Level Health IT Database Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to

deliverables and performance metrics where applicable.

Provides all activities related to the administration of computerized Health IT databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Designs, creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex Health IT databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs Health IT database programming and supports systems design. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, file design and storage, and integration of systems through database design.

32. Senior Level Health IT Database Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides all activities related to the administration of computerized Health IT databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Designs, creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex Health IT databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Applies knowledge and experience with database technologies, development methodologies, and front-end (e.g., COGNOS)/back-end programming languages (e.g., SQL). Performs Health IT database programming and supports systems design. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, file design and storage, and integration of systems through database design.

33. Master Level Health IT Database Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls

activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

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34. Journey Level Health IT Disaster Recovery Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Designs and administers Health IT programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery. Oversees and reviews the testing and implementation of medical software, data systems, and data networks to ensure that the integrity and security of all electronic data and data systems are adequately protected. Facilitates the preparation of an organization-wide business resumption plan. Assists in the coordination and establishment of disaster recovery programs and business resumption planning across mainframe and client server platforms. Coordinates and monitors simulation testing across all platforms. Designs and administers Health IT programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery.

35. Senior Level Health IT Disaster Recovery Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and

leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Designs and administers Health IT programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery. Oversees and reviews the testing and implementation of medical software, data systems, and data networks to ensure that the integrity and security of all electronic data and data systems are adequately protected. Facilitates the preparation of an organization-wide business resumption plan. Assists in the coordination and establishment of disaster recovery programs and business resumption planning across mainframe and client server platforms. Coordinates and monitors simulation testing across all platforms. Designs and administers Health IT programs to include policies, standards, guidelines, training programs, and a viable quality assurance process for disaster recovery.

36. Senior Level Health IT Enterprise Architect

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides high-level architectural Health IT expertise to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Develops strategy of medical systems and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the Health IT client/server relational database structure for the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

37. Master Level Health IT Enterprise Architect

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

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38. Senior Level Health IT Enterprise Resource Planning (ERP) Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Assists with the development and maintenance of the Enterprise Resource Planning (ERP) program. Analyzes and evaluates Health IT ERP application systems. Assists in software upgrades, documentation, and implementation. Customizes and configures Health IT workflow to allow the integration of client/server applications. Tests ERP layout to ensure the system is meeting corporate needs.

39. Master Level Health IT Enterprise Resource Planning (ERP) Analyst

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Assists with the development and maintenance of the Enterprise Resource Planning (ERP) program. Analyzes and evaluates Health IT ERP application systems. Assists in software upgrades, documentation, and implementation. Customizes and configures Health IT workflow to allow the integration of client/server applications. Tests ERP layout to ensure the system is meeting corporate needs.

40. Senior Level Health IT ERP Business/Architectural Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Adapts Health IT functional business requirements and processes to technical solutions based upon comprehensive enterprise application solution sets. Enterprise resource planning and management processes, including but not limited to: knowledge management, investment analysis, data warehousing, e-commerce, return on investment analysis, human resource analysis, material management and logistics, supply chain management, procurement, ordering, manufacturing, decision support, and information dissemination.

41. Master Level Health IT ERP Business/Architectural Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management. Decision making and domain knowledge may have a critical impact on overall project implementation. May supervise others.

Adapts Health IT functional business requirements and processes to technical solutions based upon comprehensive enterprise application solution sets. Enterprise resource planning and management processes, including but not limited to: knowledge management, investment analysis, data warehousing, e-commerce, return on investment analysis, human resource analysis, material management and logistics, supply chain management, procurement, ordering, manufacturing, decision support, and information dissemination.

42. Journeyman Level Health IT Financial Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable. Provides support in the areas of Health IT budget,

billing, reporting, and financial management for IT initiatives.

43. Senior Level Health IT Financial Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others. Provides support in the areas of Health IT budget, billing, reporting, and financial management for IT initiatives.

44. Senior Level Health IT Geographic Information System (GIS) Analyst/Programmer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Demonstrates proficiency in GIS analysis and data modeling in support of medical requirements. Demonstrates and maintains proficiency with current and developing Health IT technologies and software related to geographic analysis. Coordinates, manages, administers, and develops the Geographic Information Systems. Develops various types of GIS maps and related data sets. Designs and implements GIS analytical procedures. Performs analysis and maintenance of GIS systems.

45. Journeyman Level Health IT Graphics Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Produces Health IT graphic art and visual materials for promotions, advertisements, films, presentations, packaging, and informative and instructional material through a variety of media outlets such as websites

and CD-ROMs. Generates, manipulates, and integrates medical graphic images, animations, sound, text and video generated with automated tools into consolidated and seamless multimedia programs.

46. Senior Level Health IT Graphics Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Produces Health IT graphic art and visual materials for promotions, advertisements, films, presentations, packaging, and informative and instructional material through a variety of media outlets such as websites and CD-ROMs. Generates, manipulates, and integrates medical graphic images, animations, sound, text and video generated with automated tools into consolidated and seamless multimedia programs.

47. Journeyman Level Health IT Groupware Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides the implementation, maintenance, and support of Health IT company messaging system. Provides technical support on local Health IT groupware replication and client dial-up access issues.

48. Senior Level Health IT Groupware Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides the implementation, maintenance, and support of Health IT company messaging system. Provides technical support on local Health IT groupware replication and client dial-up access issues.

49. Entry Level Health IT Hardware Engineer

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides analysis related to the design, development, and implementation of Medical hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of Medical computer hardware including circuit boards, processors and wiring.

50. Journeyman Level Health IT Hardware Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides analysis related to the design, development, and implementation of Medical hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of Medical computer hardware including circuit boards, processors and wiring.

51. Senior Level Health IT Hardware Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides analysis related to the design, development, and implementation of Medical hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of Medical computer hardware including circuit boards, processors and wiring.

52. Master Level Health IT Hardware Engineer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Provides analysis related to the design, development, and implementation of Medical hardware for products. Develops test strategies, devices, and systems. Performs stress and performance tests on a variety of Medical computer hardware including circuit boards, processors and wiring.

53. Entry Level Health IT Help Desk Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Responds to and diagnoses Health IT problems through discussion with users. Ensures a timely process through which problems are controlled. Includes problem recognition, research, isolation, resolution, and follow-up steps. Supervises operation of Health IT help desk and serves as focal point for customer concerns. Provides support to end users on a variety of issues. Identifies, researches, and resolves technical problems. Responds to telephone calls, email and personnel requests for technical support. Documents, tracks, and monitors the problem to ensure a timely resolution. Provides second-tier support to end users for either PC, server, or mainframe applications or hardware. Interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Simulates or recreates user problems to resolve operating difficulties. Recommends Health IT systems modifications to reduce user problems.

54. Journeymen Health IT Help Desk Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Responds to and diagnoses Health IT problems through discussion with users. Ensures a timely process through which problems are controlled. Includes problem recognition, research, isolation, resolution, and follow-up steps. Supervises operation of Health IT help desk and serves as focal point for customer concerns. Provides support to end users on a variety of issues. Identifies, researches, and resolves technical problems. Responds to telephone calls, email and personnel requests for technical support. Documents, tracks, and monitors the problem to ensure a timely resolution. Provides second-tier support to end users for either PC, server, or mainframe applications or hardware. Interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Simulates or recreates user problems to resolve operating difficulties. Recommends Health IT systems modifications to reduce user problems.

55. Senior Level Health IT Help Desk Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Responds to and diagnoses Health IT problems through discussion with users. Ensures a timely process through which problems are controlled. Includes problem recognition, research, isolation, resolution, and follow-up steps. Supervises operation of Health IT help desk and serves as focal point for customer concerns. Provides support to end users on a variety of issues. Identifies, researches, and resolves technical problems. Responds to telephone calls, email and personnel requests for technical support. Documents, tracks, and monitors the problem to ensure a timely resolution. Provides second-tier support to end users for either PC, server, or mainframe applications or hardware. Interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Simulates or recreates user problems to resolve operating difficulties. Recommends Health IT systems modifications to reduce user problems.

56. Entry Level Health IT Information Assurance/Security Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Determines Health IT enterprise information assurance and security standards. Develops and implements information assurance/security standards and procedures. Coordinates, develops, and evaluates security programs for an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to Health IT government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of Health IT security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers. Designs, develops, engineers, and implements solutions that meet security requirements. Provides Health IT integration and implementation of the computer system security solution. Analyzes general information assurance-related technical problems and provides basic engineering and technical support in solving these problems. Performs vulnerability/risk analyses of Health IT computer systems and applications during all phases of the system development life cycle. Ensures that all information systems are functional and secure.

57. Journeyman Level Health IT Information Assurance/Security Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Determines Health IT enterprise information assurance and security standards. Develops and implements information assurance/security standards and procedures. Coordinates, develops, and evaluates security programs for an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to Health IT government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of Health IT security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers. Designs, develops, engineers, and implements solutions that meet security requirements. Provides Health IT integration and implementation of the computer system security solution. Analyzes general information assurance-related technical problems and provides basic engineering and technical support in solving these problems. Performs vulnerability/risk analyses of Health IT computer systems and applications during all phases of the system development life cycle. Ensures that all information

systems are functional and secure.

58. Senior Level Health IT Information Assurance/Security Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Determines Health IT enterprise information assurance and security standards. Develops and implements information assurance/security standards and procedures. Coordinates, develops, and evaluates security programs for an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to Health IT government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of Health IT security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers. Designs, develops, engineers, and implements solutions that meet security requirements. Provides Health IT integration and implementation of the computer system security solution. Analyzes general information assurance-related technical problems and provides basic engineering and technical support in solving these problems. Performs vulnerability/risk analyses of Health IT computer systems and applications during all phases of the system development life cycle. Ensures that all information systems are functional and secure.

59. Master Level Health IT Information Assurance/Security Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Determines Health IT enterprise information assurance and security standards. Develops and implements information assurance/security standards and procedures. Coordinates, develops, and evaluates security programs for an organization. Recommends information assurance/security solutions to support customers'

requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to Health IT government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of Health IT security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers. Designs, develops, engineers, and implements solutions that meet security requirements. Provides Health IT integration and implementation of the computer system security solution. Analyzes general information assurance-related technical problems and provides basic engineering and technical support in solving these problems. Performs vulnerability/risk analyses of Health IT computer systems and applications during all phases of the system development life cycle. Ensures that all information systems are functional and secure.

60. Senior Level Health IT Information Specialist/Knowledge Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Develops information retrieval solutions to support client requirements for specified domain subjects, using information retrieval software languages and automated text analysis and extraction techniques.

61. Master Level Health IT Information Specialist/Knowledge Engineer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Develops information retrieval solutions to support client requirements for specified domain subjects, using information retrieval software languages and automated text analysis and extraction techniques.

62. Senior Level Health IT Modeling and Simulation Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Specialist in Health IT modeling and simulation functions or operations such as, but not limited to exercises, plans, coordination, demonstrations, and instruction in the fields such as, but not limited to health, environmental, transportation, law enforcement, and security for military, and civil agencies. Supports live, constructive, or virtual medical training.

63. Master Level Health IT Modeling and Simulation Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Specialist in Health IT modeling and simulation functions or operations such as, but not limited to exercises, plans, coordination, demonstrations, and instruction in the fields such as, but not limited to health, environmental, transportation, law enforcement, and security for military, and civil agencies. Supports live, constructive, or virtual medical training.

64. Entry Level Health IT Network Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides technical guidance for directing and monitoring Health IT information systems operations. Designs, builds, and implements network systems. Directs compilation of records and reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during

outages or periods of degraded system performance. Manages the purchase, testing, installation, and support of Health IT network communications, including LAN/MAN/WAN systems. Performs system-level design and configuration of products including determination of hardware, OS, and other platform specifications. Plans large-scale systems projects through vendor comparison and cost studies. Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major medical systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products. Provides assistance and oversight for all Health IT information systems operations activities, including computer and telecommunications/communications operations, data entry, data control, LAN/MAN/WAN administration and operations support, operating systems programming, system security policy procedures, and/or web strategy and operations. Provides input to policy level discussions regarding standards and budget constraints. Supervises all personnel engaged in the operation and support of Health IT network facilities, including all communications equipment on various platforms in large scale or multi-shift operations. Supervises complex operations that involve two or more additional functions such as, but not limited to, network operations, systems security, systems software support, and production support activities. Monitors and responds to hardware, software, and network problems. Provides the routine testing and analysis of all elements of the network facilities (including power, software, communications machinery, lines, modems, and terminals). Utilizes software and hardware tools and identifies and diagnoses complex problems and factors affecting network performance. Troubleshoots Health IT network systems when necessary and makes improvements to the network.

65. Journeyman Level Health IT Network Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides technical guidance for directing and monitoring Health IT information systems operations. Designs, builds, and implements network systems. Directs compilation of records and reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance. Manages the purchase, testing, installation, and support of Health IT network communications, including LAN/MAN/WAN systems. Performs system-level design and configuration of products including determination of hardware, OS, and other platform specifications. Plans large-scale systems projects through vendor comparison and cost studies. Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major medical systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products. Provides assistance and oversight for all Health IT information systems operations activities, including computer and telecommunications/communications operations, data entry,

data control, LAN/MAN/WAN administration and operations support, operating systems programming, system security policy procedures, and/or web strategy and operations. Provides input to policy level discussions regarding standards and budget constraints. Supervises all personnel engaged in the operation and support of Health IT network facilities, including all communications equipment on various platforms in large scale or multi-shift operations. Supervises complex operations that involve two or more additional functions such as, but not limited to, network operations, systems security, systems software support, and production support activities. Monitors and responds to hardware, software, and network problems. Provides the routine testing and analysis of all elements of the network facilities (including power, software, communications machinery, lines, modems, and terminals). Utilizes software and hardware tools and identifies and diagnoses complex problems and factors affecting network performance. Troubleshoots Health IT network systems when necessary and makes improvements to the network.

66. Senior Level Health IT Network Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides technical guidance for directing and monitoring Health IT information systems operations. Designs, builds, and implements network systems. Directs compilation of records and reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance. Manages the purchase, testing, installation, and support of Health IT network communications, including LAN/MAN/WAN systems. Performs system-level design and configuration of products including determination of hardware, OS, and other platform specifications. Plans large-scale systems projects through vendor comparison and cost studies. Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major medical systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products. Provides assistance and oversight for all Health IT information systems operations activities, including computer and telecommunications/communications operations, data entry, data control, LAN/MAN/WAN administration and operations support, operating systems programming, system security policy procedures, and/or web strategy and operations. Provides input to policy level discussions regarding standards and budget constraints. Supervises all personnel engaged in the operation and support of Health IT network facilities, including all communications equipment on various platforms in large scale or multi-shift operations. Supervises complex operations that involve two or more additional functions such as, but not limited to, network operations, systems security, systems software support, and production support activities. Monitors and responds to hardware, software, and network problems. Provides the routine testing and analysis of all elements of the network facilities (including power, software, communications machinery, lines, modems, and terminals). Utilizes software and hardware tools and

identifies and diagnoses complex problems and factors affecting network performance. Troubleshoots Health IT network systems when necessary and makes improvements to the network.

67. Master Level Health IT Network Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Provides technical guidance for directing and monitoring Health IT information systems operations. Designs, builds, and implements network systems. Directs compilation of records and reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance. Manages the purchase, testing, installation, and support of Health IT network communications, including LAN/MAN/WAN systems. Performs system-level design and configuration of products including determination of hardware, OS, and other platform specifications. Plans large-scale systems projects through vendor comparison and cost studies. Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major medical systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides quality assurance review and the evaluation of new and existing software products. Provides assistance and oversight for all Health IT information systems operations activities, including computer and telecommunications/communications operations, data entry, data control, LAN/MAN/WAN administration and operations support, operating systems programming, system security policy procedures, and/or web strategy and operations. Provides input to policy level discussions regarding standards and budget constraints. Supervises all personnel engaged in the operation and support of Health IT network facilities, including all communications equipment on various platforms in large scale or multi-shift operations. Supervises complex operations that involve two or more additional functions such as, but not limited to, network operations, systems security, systems software support, and production support activities. Monitors and responds to hardware, software, and network problems. Provides the routine testing and analysis of all elements of the network facilities (including power, software, communications machinery, lines, modems, and terminals). Utilizes software and hardware tools and identifies and diagnoses complex problems and factors affecting network performance. Troubleshoots Health IT network systems when necessary and makes improvements to the network.

68. Senior Level Health IT Program Manager

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Organizes, directs, and manages Health IT contract operation support functions, involving multiple, complex and inter-related medical project tasks. Manages teams of contract support personnel at multiple locations. Maintains and manages the client interface at the senior levels of the client organization. Meets with customer and contractor personnel to formulate and review task plans and deliverable items. Ensures conformance with medical program task schedules and costs.

69. Master Level Health IT Program Manager

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Organizes, directs, and manages Health IT contract operation support functions, involving multiple, complex and inter-related medical project tasks. Manages teams of contract support personnel at multiple locations. Maintains and manages the client interface at the senior levels of the client organization. Meets with customer and contractor personnel to formulate and review task plans and deliverable items. Ensures conformance with medical program task schedules and costs.

70. Journeyman Level Health IT Project Manager

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Leads team on large projects or significant segment of large complex Health IT projects. Analyzes new and complex project related problems and creates innovative solutions involving finance, scheduling, technology, methodology, tools, and solution components. Provides applications systems analysis and programming activities for a Government site, facility or multiple locations. Prepares long and short-range plans for

medical application selection, systems development, systems maintenance, and production activities and for necessary support resources. Oversees all aspects of projects.

71. Senior Health IT Project Manager

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Leads team on large projects or significant segment of large complex Health IT projects. Analyzes new and complex project related problems and creates innovative solutions involving finance, scheduling, technology, methodology, tools, and solution components. Provides applications systems analysis and programming activities for a Government site, facility or multiple locations. Prepares long and short-range plans for medical application selection, systems development, systems maintenance, and production activities and for necessary support resources. Oversees all aspects of projects.

72. Entry Level Health IT Quality Assurance Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides development of project Health IT Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the contract. Provides an independent assessment of how the project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. May be responsible for all activities involving quality assurance and compliance with applicable medical regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a medical system development environment which supports large databases and applications.

73. Journeyman Level Health IT Quality Assurance Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides development of project Health IT Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the contract. Provides an independent assessment of how the project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. May be responsible for all activities involving quality assurance and compliance with applicable medical regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a medical system development environment which supports large databases and applications.

74. Senior Level Health IT Quality Assurance Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides development of project Health IT Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the contract. Provides an independent assessment of how the project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. May be responsible for all activities involving quality assurance and compliance with applicable medical regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a medical system development environment which supports large databases and applications.

75. Master Level Health IT Quality Assurance Specialist

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Provides development of project Health IT Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the contract. Provides an independent assessment of how the project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. May be responsible for all activities involving quality assurance and compliance with applicable medical regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a medical system development environment which supports large databases and applications.

76. Journeyman Level Health IT Research Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Plans, organizes, and conducts research in a variety of medical areas, such as new or existing products, science, social science, law or business, etc. in support of an Health IT initiative. Searches sources such as reference works, literature, documents, newspapers, statistical records, and other sources of information. May use Internet, Intranet, magazines, periodicals, journals, and other media to perform research. Analyzes information and statistical data to prepare reports and studies for use by professionals.

77. Senior Level Health IT Research Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Plans, organizes, and conducts research in a variety of medical areas, such as new or existing products, science, social science, law or business, etc. in support of an Health IT initiative. Searches sources such as reference works, literature, documents, newspapers, statistical records, and other sources of information. May use Internet, Intranet, magazines, periodicals, journals, and other media to perform research. Analyzes information and statistical data to prepare reports and studies for use by professionals.

78. Journeyman Level Health IT Strategic/Capital Planner

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides strategic planning of large medical projects or a significant segment of a strategic planning portion of a large complex medical project. Provides the overall approach to clarify mission statements so they can be used as springboards in envisioning their desired future. Assists in developing Health IT mission and vision statements, subsequent goal delineation, provides guidance for building operational plans and specifying measurable outcomes to include capital outlay planning efforts in a consolidated strategic planning process and prioritizes those initiatives. Assist in preparation of key strategic planning documentation, including OMB Form 300.

79. Senior Level Health IT Strategic/Capital Planner

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides strategic planning of large medical projects or a significant segment of a strategic planning portion of a large complex medical project. Provides the overall approach to clarify mission statements so they can be used as springboards in envisioning their desired future. Assists in developing Health IT mission and vision statements, subsequent goal delineation, provides guidance for building operational plans and specifying measurable outcomes to include capital outlay planning efforts in a consolidated strategic planning process and prioritizes those initiatives. Assist in preparation of key strategic planning documentation, including OMB Form 300.

80. Journeyman Level Health IT Subject Matter Expert

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Serves as subject matter expert, possessing in-depth knowledge of a particular Health IT area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of medical software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated Health IT solutions.

81. Senior Level Health IT Subject Matter Expert

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Serves as subject matter expert, possessing in-depth knowledge of a particular Health IT area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of medical software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated Health IT solutions.

82. Master Level Health IT Subject Matter Expert

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Serves as subject matter expert, possessing in-depth knowledge of a particular Health IT area, such as business, computer science, engineering, mathematics, or the various sciences. Provides technical knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of medical software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated Health IT solutions.

83. Journeyman Level Health IT Systems Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides analysis related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated Health IT solution. Develops integrated medical system test requirement, strategies, devices and systems. Directs overall medical system level testing.

84. Senior Level Health IT Systems Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides analysis related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated Health IT solution. Develops integrated medical system test requirement, strategies, devices and systems. Directs overall medical system level testing.

85. Master Level Health IT Systems Engineer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Provides analysis related to the design, development, and integration of hardware, software, man-machine interfaces and all system level requirements to provide an integrated Health IT solution. Develops integrated medical system test requirement, strategies, devices and systems. Directs overall medical system level testing.

86. Entry Level Health IT Technical Editor

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Reviews content of technical Health IT documentation for quality. Produces technical and scientific illustrations for presentations and/or publication, as appropriate to the requirements. Ensures that documents follow the style laid out in the company's style guide.

87. Journey Level Health IT Technical Editor

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Reviews content of technical Health IT documentation for quality. Produces technical and scientific illustrations for presentations and/or publication, as appropriate to the requirements. Ensures that documents follow the style laid out in the company's style guide.

88. Journey Level Health IT Technical Writer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Writes a variety of Health IT technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document. Ensures content is of high quality and conforms with standards.

89. Senior Level Health IT Technical Writer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Writes a variety of Health IT technical articles, reports, brochures, and/or manuals for documentation for a wide range of uses. Coordinates the display of graphics and the production of the document. Ensures content is of high quality and conforms with standards.

90. Entry Level Health IT Test Engineer

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Evaluates, recommends, and implements automated Health IT test tools and strategies. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met.

Develops, maintains, and upgrades automated test scripts and architectures for medical application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex Health IT software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

91. Journeyman Level Health IT Test Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Evaluates, recommends, and implements automated Health IT test tools and strategies. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades automated test scripts and architectures for medical application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex Health IT software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

92. Senior Level Health IT Test Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Evaluates, recommends, and implements automated Health IT test tools and strategies. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met. Develops, maintains, and upgrades automated test scripts and architectures for medical application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex Health IT software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

93. Entry Level Health IT Training Specialist

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Assesses, designs, and conceptualizes training scenarios, approaches, objectives, plans, tools, aids, curriculums, and other state of the art technologies related to Health IT training and behavioral studies. Identifies the best approach training requirements to include, but not limited to hardware, software, simulations, course assessment and refreshment, assessment centers, oral examinations, interviews, computer assisted and adaptive testing, behavior-based assessment and performance, and team and unit assessment and measurement. Develops and revises Health IT training courses. Prepares training catalogs and course materials. Trains medical personnel by conducting formal classroom courses, workshops, and seminars.

94. Journey Level Health IT Training Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Assesses, designs, and conceptualizes training scenarios, approaches, objectives, plans, tools, aids, curriculums, and other state of the art technologies related to Health IT training and behavioral studies. Identifies the best approach training requirements to include, but not limited to hardware, software, simulations, course assessment and refreshment, assessment centers, oral examinations, interviews, computer assisted and adaptive testing, behavior-based assessment and performance, and team and unit assessment and measurement. Develops and revises Health IT training courses. Prepares training catalogs and course materials. Trains medical personnel by conducting formal classroom courses, workshops, and seminars.

95. Senior Level Health IT Training Specialist

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Assesses, designs, and conceptualizes training scenarios, approaches, objectives, plans, tools, aids, curriculums, and other state of the art technologies related to Health IT training and behavioral studies. Identifies the best approach training requirements to include, but not limited to hardware, software, simulations, course assessment and refreshment, assessment centers, oral examinations, interviews, computer assisted and adaptive testing, behavior-based assessment and performance, and team and unit assessment and measurement. Develops and revises Health IT training courses. Prepares training catalogs and course materials. Trains medical personnel by conducting formal classroom courses, workshops, and seminars.

96. Entry Level Health IT Voice/Data Communications Engineer

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides technical direction and engineering knowledge for Health IT communications activities including planning, designing, developing, testing, installing and maintaining large medical community communications networks. Ensures that adequate and appropriate planning is provided to direct building architects and planners in building communications spaces and media pathways meet industry standards. Develops, operates, and maintains voice, wireless, video, and data communications systems. Provides complex engineering or analytical tasks and activities associated with one or more technical areas within the medical communications function.

97. Journeyman Level Health IT Voice/Data Communications Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in

nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides technical direction and engineering knowledge for Health IT communications activities including planning, designing, developing, testing, installing and maintaining large medical community communications networks. Ensures that adequate and appropriate planning is provided to direct building architects and planners in building communications spaces and media pathways meet industry standards. Develops, operates, and maintains voice, wireless, video, and data communications systems. Provides complex engineering or analytical tasks and activities associated with one or more technical areas within the medical communications function.

98. Senior Level Health IT Voice/Data Communications Engineer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Provides technical direction and engineering knowledge for Health IT communications activities including planning, designing, developing, testing, installing and maintaining large medical community communications networks. Ensures that adequate and appropriate planning is provided to direct building architects and planners in building communications spaces and media pathways meet industry standards. Develops, operates, and maintains voice, wireless, video, and data communications systems. Provides complex engineering or analytical tasks and activities associated with one or more technical areas within the medical communications function.

99. Master Level Health IT Voice/Data Communications Engineer

Minimum Education: Master's Degree in computer science, information systems management, mathematics, engineering or related scientific field

Minimum Experience: 10+ years of experience

Provides technical/management leadership on major tasks or technology assignments. Establishes goals and plans that meet project objectives. Has domain and expert technical knowledge. Directs and controls activities for a client, having overall responsibility for financial management, methods, and staffing to ensure that technical requirements are met. Interactions involve client negotiations and interfacing with senior management.

Provides technical direction and engineering knowledge for Health IT communications activities including planning, designing, developing, testing, installing and maintaining large medical community

communications networks. Ensures that adequate and appropriate planning is provided to direct building architects and planners in building communications spaces and media pathways meet industry standards. Develops, operates, and maintains voice, wireless, video, and data communications systems. Provides complex engineering or analytical tasks and activities associated with one or more technical areas within the medical communications function.

100. Entry Level Health IT Web Content Analyst

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Provides for development and content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for medical information and decision-making. Provides managing/performing website editorial activities including gathering and researching health information that enhances the value of the site.

101. Journeyman Level Health IT Web Content Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Provides for development and content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for medical information and decision-making. Provides managing/performing website editorial activities including gathering and researching health information that enhances the value of the site.

102. Senior Level Health IT Web Content Analyst

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project

assignments. May supervise others.

Provides for development and content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for medical information and decision-making. Provides managing/performing website editorial activities including gathering and researching health information that enhances the value of the site.

103. Entry Level Health IT Web Designer

Minimum Education: High School diploma or equivalency certificate.

Minimum Experience: 0-2 years of experience

Applies fundamental concepts, processes, practices, and procedures on technical assignments. Performs work that requires practical experience and training. Work is performed under supervision.

Designs and builds web pages using a variety of graphics software applications, techniques, and tools. Designs and develops user interface features, site animation, and special-effects elements. Contributes to the design group's efforts to enhance the look and feel of the medical organization's online offerings. Designs the website to support the medical organization's strategies and goals relative to external communications.

104. Journeyman Level Health IT Web Designer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 2-5 years of experience

Possesses and applies expertise on multiple complex work assignments. Assignments may be broad in nature, requiring originality and innovation in determining how to accomplish tasks. Operates with appreciable latitude in developing methodology and presenting solutions to problems. Contributes to deliverables and performance metrics where applicable.

Designs and builds web pages using a variety of graphics software applications, techniques, and tools. Designs and develops user interface features, site animation, and special-effects elements. Contributes to the design group's efforts to enhance the look and feel of the medical organization's online offerings. Designs the website to support the medical organization's strategies and goals relative to external communications.

105. Senior Level Health IT Web Designer

Minimum Education: Bachelor's Degree in computer science, information systems management, mathematics, engineering or related scientific field.

Minimum Experience: 5-10 years of experience

Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.

Designs and builds web pages using a variety of graphics software applications, techniques, and tools. Designs and develops user interface features, site animation, and special-effects elements. Contributes to the design group's efforts to enhance the look and feel of the medical organization's online offerings. Designs the website to support the medical organization's strategies and goals relative to external communications.

2. **MAXIMUM ORDER:** \$500,000: SINS 132-33, 132-34, 132-51, 132-56. \$25,000: SIN 132-50
3. **MINIMUM ORDER:** \$100
4. **GEOGRAPHIC COVERAGE:** The Geographic Scope of Contract
will be domestic and overseas (worldwide)
5. **POINT(S) OF PRODUCTION:** USA
6. **DISCOUNT FROM LIST PRICES:** All pricing is net. Discounts have been deducted.
7. **QUANTITY DISCOUNT(S):** None
8. **PROMPT PAYMENT TERMS:** NET 30 DAYS
- 9a **Government Purchase Cards are accepted at or below the micro- purchase threshold.** Yes
- 9b **Government Purchase Cards are not accepted above the micro- purchase threshold.**
10. **FOREIGN ITEMS:** None
- 11a. **TIME OF DELIVERY:** 132-33, 132-34, 132-50, 30 Days ARO. 132-56, 132-51: As negotiated with ordering agency.
- 11b. **EXPEDITED DELIVERY:** To be negotiated at task order level.
- 11c. **OVERNIGHT AND 2-DAY DELIVERY:** To be negotiated at task order level.
- 11d. **URGENT REQUIRMENTS:** Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.

12. FOB Point: Destination

13a. Ordering Address: Kratos Tecnology & Training Solutions, Inc., 4820 Eastgate Mall, San Diego, CA 92191-1977

13b. ORDERING PROCEDURES: Ordering Activities shall use the ordering procedures described in Federal Acquisition Regulation 8.405-3 when placing an order or establishing a BPA for supplies or services. The ordering procedures, can be via email, telephone or online purchase or using a purchase agreement for the request of work.

14. PAYMENT ADDRESS: Same as ordering address.

15. WARRANTY PROVISION: See Terms and Conditions per SIN.

15a. RETURN/RESTOCKING POLICY: N/A

16. EXPORT PACKING CHARGES: N/A.

17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:
None

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 AVAILABLE): 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. Section 508 Compliance for electronic and information technology (EIT):

Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services can be found at: www.Section508.gov/

25. DUNS NUMBER: 048505366

26. NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM)

DATABASE: Contractor has an Active Registration in the SAM database. Terms and Conditions applicable to Information Technology Professional Services - SUBJECT TO COOPERATIVE PURCHASING.

TERMS AND CONDITIONS

TERMS AND CONDITIONS APPLICABLE TO PERPETUAL SOFTWARE LICENCES (SPECIAL ITEM NUMBER 132-33) AND MAINTENANCE AS A SERVICE (SPECIAL ITEM NUMBER 132-34) OF GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY SOFTWARE

1. INSPECTION/ACCEPTANCE

The contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any software that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming software at no increase in contract price. The ordering activity must exercise its post-acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any

substantial change occurs in the condition of the software, unless the change is due to the defect in the software.

2. GUARANTEE/WARRANTY

- a. Unless specified otherwise in this contract, the Contractor's standard commercial guarantee/warranty as stated in the contract's commercial pricelist will apply to this contract.
- b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.
- c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

3. TECHNICAL SERVICES

The contractor, without additional charge to the ordering activity, shall provide a hot line technical support point of contact for the purpose of providing user assistance and guidance in the implementation of the software. Technical support is provided 24 hours a day by calling (800) 295-4233. During working hours, the following additional technical support telephone numbers are available:

- Kratos Technology & Training Solutions Products, please call (443) 539-5008.
- SAT Corporation products, please call (408) 530-1020, M-F, 7 a.m. to 5:30 p.m., PST
- Newpoint Technology products please send an email to support@newpointtech.com.

4. SOFTWARE MAINTENANCE

- a. Software maintenance as it is defined:

1. Software maintenance as a Product (SIN 132-33)

Software maintenance as a product includes the publishing of bug/defect fixes via patches and updates/upgrades in function and technology to maintain the operability and usability of the software product. It may also include other no charge support that is included in the purchase price of the product in the commercial marketplace. No charge support may include items such as user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self-diagnostics.

Software maintenance as a product does NOT include the creation, design, implementation, integration, etc. of a software package. These examples are considered maintenance as a service.

2. Software Maintenance as a Service (SIN 132-34)

Software maintenance as a service creates, designs, implements, and/or integrates customized changes to software that solve one or more problems and is not included with the price of the software. Software maintenance as a service includes person-to-person communications regardless of the medium used to communicate: telephone support, on-line technical support, customized support, and/or technical expertise which are charged commercially. Software maintenance as a service is billed arrears in accordance with 31 U.S.C. 3324.

b. Invoices for maintenance services shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

5. PERIODS OF MAINTENANCE (SIN 132-34)

a. The Contractor shall honor orders for periods for the duration of the contract period or a lesser period of time.

b. Maintenance may be discounted by the ordering activity upon mutual agreement of the parties.

c. Annual Funding. When annually appropriated funds are cited on an order for maintenance, the period of the maintenance shall automatically expire on September 30 of the contract period, or at the end of the contract period, whichever occurs first. Renewal of maintenance orders citing new appropriation shall be required, if the maintenance is to be continued during any remainder of the contract period.

d. Cross-Year Funding Within Contract Period. Where an ordering activity's specific appropriation authority provides for funds in excess of a 12 month (fiscal year) period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.

e. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of an order, if the maintenance is to be terminated at that time. Orders for the continuation of maintenance will be required if the maintenance is to be continued during the subsequent period.

6. UTILIZATION LIMITATIONS – (SIN 132-33 AND SIN 132-34)

a. Software acquisition is limited to commercial computer software defined in FAR Part 2.101.

b. When acquired by the ordering activity, commercial computer software and related documentation so

legend shall be subject to the following:

(1) Title to and ownership of the software and documentation shall remain with Contractor, unless otherwise specified.

(2) Software licenses are by site and by ordering activity. An ordering activity is defined as a cabinet level or independent ordering activity. The software may be used by any subdivision of the ordering activity (service, bureau, division, command, etc.) that has access to the site the software is placed at, even if the subdivision did not participate in the acquisition of the software. Further, the software may be used on a sharing basis where multiple agencies have joint projects that can be satisfied by the use of the software placed at one ordering activity's site. This would allow other agencies access to one ordering activity's database. For ordering activity public domain databases, user agencies and third parties may use the computer program to enter, retrieve, analyze and present data. The user ordering activity will take appropriate action by instruction, agreement, or otherwise, to protect Contractor's proprietary property with any third parties that are permitted access to the computer programs and documentation in connection with the user ordering activity's permitted use of the computer programs and documentation. **For purposes of this section, all such**

permitted third parties shall be deemed agents of the user ordering activity.

(3) Except as is provided in paragraph 8.b(2) above, the ordering activity shall not provide or otherwise make available the software or documentation, or any portion thereof, in any form, to any third party without the prior written approval of Contractor. Third parties do not include prime Contractors, subcontractors, and agents of the ordering activity who have the ordering activity's permission to use the licensed software and documentation at the facility, and who have agreed to use the licensed software and documentation only in accordance with these restrictions. This provision does not limit the right of the ordering activity to use software, documentation, or information therein, which the ordering activity may already have or obtains without restrictions.

(4) The ordering activity shall have the right to use the computer software and documentation with the computer for which it is acquired at any other facility to which that computer may be transferred, or in cases of disaster recovery, the ordering activity has the right to transfer the software to another site if the ordering activity site for which it is acquired is deemed to be unsafe for ordering activity personnel; to use the computer software and documentation with a backup computer when the primary computer is inoperative; to copy computer programs for safekeeping (archives) or backup purposes; to transfer a copy of the software to another site for purposes of benchmarking new hardware and/or software; and to modify the software and documentation or combine it with other software, provided that the unmodified portions shall remain subject to these restrictions.

(5) "Commercial Computer Software" may be marked with the Contractor's standard commercial restricted rights legend, but the schedule contract and schedule pricelist, including this clause, "Utilization Limitations" are the only governing terms and conditions, and shall take precedence and supersede any different or additional terms and conditions included in the standard commercial legend.

**TERMS AND CONDITIONS APPLICABLE TO CLASSROOM TRAINING COURSES FOR
INFORMATION TECHNOLOGY (IT) EQUIPMENT AND SOFTWARE
(SPECIAL ITEM NUMBER 132-50)**

1. SCOPE

- a. Kratos Technology & Training Solutions shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general-purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
- b. Kratos Technology & Training Solutions shall provide training at Kratos Technology & Training Solutions' facility and/or at the ordering activity's location, as agreed to by Kratos Technology & Training Solutions and the ordering activity.

2. ORDER

Written orders, EDI orders (GSA Advantage! And FACNET), credit card orders, and orders placed under blanket purchase agreements (BPAs) shall be the basis for the purchase of training courses in accordance with the terms of this contract. Orders shall include the student's name, course title, course date and time, and contracted dollar amount of the course.

3. TIME OF DELIVERY

Kratos Technology & Training Solutions shall conduct training on the date (time, day, month, and year) agreed to by Kratos Technology & Training Solutions and the ordering activity.

4. CANCELLATION AND RESCHEDULING

- a. The ordering activity will notify Kratos Technology & Training Solutions at least 72 hours before the scheduled training date, if a student will be unable to attend. Kratos Technology & Training Solutions will then permit the ordering activity to either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the ordering activity will modify its original training order to specify the time and date of the rescheduled training class.
- b. In the event the ordering activity fails to cancel or reschedule a training course within the time frame specified in paragraph a, above, the ordering activity will be liable for the contracted dollar amount of the training course.
- c. The ordering activity reserves the right to substitute one student for another up to the first day of class.
- d. In the event Kratos Technology & Training Solutions is unable to conduct training on the date agreed to, Kratos Technology & Training Solutions must notify the ordering activity at least 72 hours before the scheduled training.

5. FOLLOW-UP SUPPORT

Kratos Technology & Training Solutions agrees to provide each student with unlimited telephone support or online support for a period of one year from the completion of the training course. During this period, the student may contact Kratos Technology & Training Solutions instructors for refresher assistance and answers to related course curriculum questions.

6. PRICE FOR TRAINING

The price that the ordering activity will be charged will be the ordering activity training price in effect at the time of order placement, or the ordering activity price in effect at the time the training course is conducted, whichever is less.

7. INVOICES AND PAYMENTS

Invoices for the training shall be submitted by Kratos Technology & Training Solutions after the ordering activity completion for the training course. Charges for training must be paid in arrears. (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.

8. FORMAT AND CONTENT OF TRAINING

- a. Kratos Technology & Training Solutions shall provide written materials (i.e. manuals, handbooks, texts, etc.) normally provided with course offerings. Such documentation will become the property of the student upon completion of the training class.
- b. Kratos Technology & Training Solutions shall provide each student with a Certificate of Training at the completion of each training course.
- c. The Contractor shall provide the following information for each training course offered:
 - (1) The course title and brief description of the course content, to include the course format (e.g. lecture, discussion, hands-on training)
 - (2) The length of the course;
 - (3) Mandatory and desirable prerequisites for student enrollment;
 - (4) The minimum and maximum number of students per class;
 - (5) The locations where the course is offered;
 - (6) Class schedules; and
 - (7) Price (per student, per class (if applicable)).
- d. For those courses conducted at the ordering activity's location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g., per diem charges) are governed by Pub. L. 99-234 and FAR Part 31.205-46, and are reimbursable by the ordering activity on orders placed under the Multiple Award Schedule, as applicable, in effect on the date(s) the travel is performed. Contractors cannot use GSA city pair contracts. The Industrial Funding Fee does NOT apply to travel and per diem charges.

9. "NO CHARGE" TRAINING

Kratos Technology & Training Solutions shall describe any training provided with equipment and/or software provided under this contract, free of charge, in the space provided below.

(None)

**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT)
PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51)**

1. SCOPE

- a. The prices, terms, and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT professional services within the scope of this Information Technology Schedule.
- b. Kratos Technology & Training Solutions shall provide services at Kratos Technology & Training Solutions facility and/or at the ordering activity location, as agreed to by Kratos Technology & Training Solutions and the ordering activity.

2. PERFORMANCE INCENTIVES

- a. Performance incentives may be agreed upon between Kratos Technology & Training Solutions 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 Kratos Technology & Training Solutions to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate Kratos Technology & Training Solutions. Incentives shall be based on objectively measurable tasks.

3. ORDER

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

4. PERFORMANCE OF SERVICES

- a. Kratos Technology & Training Solutions shall commence performance of services on the date agreed to by Kratos Technology & Training Solutions and the ordering activity.
- b. Kratos Technology & Training Solutions agrees to render services only during normal working hours, unless otherwise agreed to by Kratos Technology & Training Solutions 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 professional services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

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

- (a) The Contracting Officer may, at any time, by written order to Kratos Technology & Training Solutions require Kratos Technology & Training Solutions 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 Kratos Technology & Training Solutions

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, Kratos Technology & Training Solutions 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 Kratos Technology & Training Solutions or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

(1) Cancel the stop-work order; or

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

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, Kratos Technology & Training Solutions 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 Kratos Technology & Training Solutions' cost properly allocable to, the performance of any part of this contract; and

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

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

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

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

7. RESPONSIBILITIES OF THE CONTRACTOR

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

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

9. INDEPENDENT CONTRACTOR

All IT professional services performed by Kratos Technology & Training Solutions under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions. "Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to Kratos Technology & Training Solutions, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving Kratos Technology & Training Solutions, any entity into or

with which Kratos Technology & Training Solutions subsequently merges or affiliates, or any other successor or assignee of Kratos Technology & Training Solutions.

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 Kratos Technology & Training Solutions and its affiliates, may either (i) result in an unfair competitive advantage to Kratos Technology & Training Solutions or its affiliates or (ii) impair Kratos Technology & Training Solutions 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 Kratos Technology & Training Solutions, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

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

12. PAYMENTS

For firm-fixed price orders the ordering activity shall pay Kratos Technology & Training Solutions, 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.

13. RESUMES

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

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that Kratos Technology & Training Solutions 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.

**TERMS AND CONDITIONS APPLICABLE TO HEALTH INFORMATION TECHNOLOGY (IT) SERVICES
SPECIAL ITEM NUMBER 132-56**

Vendor suitability for offering services through the new Health IT SIN must be in accordance with the following laws and standards when applicable to the specific task orders, including but not limited to:

- Health Information Technology for Economic and Clinical Health Act of 2009 (HITECH)
- The Health Insurance Portability and Accountability Act of 1996 (HIPAA)
- National Institute of Standards and Technology (NIST) Federal Information Processing Standards (FIPS) and Special Publications
- Federal Information Security Management Act (FISMA) of 2002

****NOTE: All non-professional labor categories must be incidental to, and used solely to support Health IT services, and cannot be purchased separately.

****NOTE: All labor categories under the Special Item Number 132-51 Information Technology Professional Services may remain under SIN 132-51 unless the labor categories are specific to the Health IT SIN.

1. SCOPE

- a. The labor categories, prices, terms and conditions stated under Special Item Number 132-56 Health Information Technology Services apply exclusively to Health IT Services within the scope of this Information Technology Schedule.
- b. This SIN is limited to Health IT Services only. Software and hardware products are out of scope. Hardware and software can be acquired through different Special Item Numbers on IT Schedule 70 (e.g. 132-32, 132-33, 132-8).
- c. This SIN provides ordering activities with access to Health IT services.
- d. Health IT Services provided under this SIN shall comply with all Healthcare certifications and industry standards as applicable at the task order level.
- e. The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. ORDER

- a. Agencies may use written orders, Electronic Data Interchange (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.

3. PERFORMANCE OF SERVICES

a. The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity. All Contracts will be fully funded.

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 Health IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

4. INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS -COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

5. 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 (Dec 2007) Rights in Data - General, may apply.

6. RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

7. INDEPENDENT CONTRACTOR

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

8. 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.

9. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for Health IT Professional 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.

10. RESUMES

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

11. INCIDENTAL SUPPORT COSTS

Incidental support costs are not considered part of 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.

12. 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.

SIN 132-33: SOFTWARE PRODUCTS

A. KRATOS TECHNOLOGY & TRAINING SOLUTIONS SOFTWARE PRODUCTS:

EPOCH Telemetry and Commanding Server - The EPOCH T&C Server provides complete off-the-shelf satellite telemetry and command processing for the operations and test environments. The EPOCH T&C Server provides front end data processing, distribution, and command formatting as part of Kratos Technology & Training Solutions' end-to-end command and control solution, EPOCH IPS (Integrated Product Suite). Under operator control from the EPOCH Client, the EPOCH T&C Server can manage a single satellite, multiple satellites from different manufacturers, or an entire constellation of satellites. The EPOCH T&C Server can be database configured for LEO, GEO, and Deep Space missions and provides out-of-the-box compatibility for most commercial satellite designs. EPOCH T&C Server's robust design provides support for all phases of the satellite lifecycle including integration and test, launch and early orbit, on-orbit, and end of life operations. The database driven architecture allows the software to be configured for unique satellite specific characteristics without costly software modifications.

EPOCH Client - The EPOCH Client provides complete operations capability for real-time monitoring and control of all satellite and ground equipment systems and functions. The EPOCH Client uses ISI's EPOCH T&C front-end server to provide the most powerful satellite operations platform in the industry. The EPOCH Client consists of a family of applications tailored to the needs of operators whose tasks are to monitor spacecraft health and safety, perform commanding, execute memory management functions. Users will find instant familiarity with the software since many of the basic system operations are the same as the Microsoft Office® suite of applications. Simple automatic installation and configuration complete the Client's commercial look and feel.

Archive Manager - Archive Manager is the EPOCH IPS (Integrated Product Suite) Automated Archiving and Product Generation solution for end-to-end management of satellite data and analysis product files within an EPOCH IPS Control Center. Archive Manager safely and consistently handles both short-term and long-term storage requirements for satellite archive data in an EPOCH IPS control center. In addition, the Archive Manager automatically creates the necessary analysis product files and statistical data files as new archive data are made available. These product files are immediately accessible by Kratos Technology & Training Solutions' Archive Browser and Extractor product (ABE) for timely and accurate analysis. Archive Manager makes managing and integrating your Control Center data safe and easy.

OASYS (Orbit Analysis System) - OASYS is the high-precision EPOCH IPS (Integrated Product Suite) system that provides an integrated, object-oriented graphical environment for spacecraft mission analysis on today's high-performance microcomputer workstations. OASYS provides full life cycle support for spacecraft orbit and attitude determination, propagation, and control. Using OASYS, spacecraft analysts can manage a single spacecraft or a fleet in any flight regime, from low Earth orbit to geosynchronous.

EPOCH Database - The EPOCH Database product is an easy-to-use, comprehensive solution for maintaining all mission-specific information used to configure the other EPOCH IPS software components. It is designed to support the needs of an individual mission, as well as those of an entire fleet or constellation. It supports all phases of the satellite and ground segment life cycle - from payload and satellite integration and test, through prelaunch, launch, and early orbit, as well as mission operations. Furthermore, the EPOCH Database is your solution to accommodating different satellites and ground equipment from any manufacturer. The system defines all satellite telemetry, commanding, and ground status characteristics, including context-sensitive definitions of telemetry stream locations, engineering conversions, limits, and textual states. The system is equally versatile for commanding. EPOCH Database enables various types of command and telemetry verification, command stream characteristics, and individual command syntax to be defined entirely within the database. Even packetized methods, such as CCSDS, are supported directly.

EPOCH Client Trigger Applications - The EPOCH Triggers Service provides an automated detection/action

capability to allow ground system and spacecraft system conditions to be detected and actions to be initiated. The Triggers Service can interface to any number of EPOCH T&C Servers to monitor telemetry data, ground equipment data, events, and other system conditions. The Triggers Service can automatically initiate user specified actions based on the detected condition and notify system operators when these events occur. Multiple satellites can be monitored as well as any ground equipment under EPOCH control. The Triggers Service is designed as a Client/Server architecture where the clients provide system operators with a complete view of all triggers active in the system. Multiple Triggers Clients can connect to one or more Triggers Servers to monitor and setup Trigger conditions. The Triggers Server can be configured for redundancy providing reliable operations and confidence that critical satellite or system conditions are detected and acted upon.

B. SAT CORPORATION SOFTWARE PRODUCTS:

(SAT Corporation is a wholly owned subsidiary of Kratos Technology & Training Solutions, Inc.)

SigMon provides RF Spectrum Monitoring, interference detection, direction finding and geo-location from fixed site, vehicles and portable applications. Systems can be networked to connect both fixed and mobile sites. Alarms notify users of exceptional conditions in real-time. Automatic spectral occupancy statistics are provided to survey spectrum usage. A wide variety of report templates are available to save analysis time.

C. NEWPOINT SOFTWARE PRODUCTS:

(Newpoint Technologies is a wholly owned subsidiary of Kratos Technology & Training Solutions, Inc.)

Newpoint Compass was created from the ground up to protect the vital traffic handled by communications networks easily and with outstanding reliability – all while minimizing integration costs to save money. Users benefit from Compass with reduced workload, while owners benefit from reduced operation costs and higher levels of customer satisfaction.

Compass is a complete software package for managing all types of networks. It is built with the flexibility that allows for support of up to 100,000 devices and designed to meet the requirements of diverse applications from satellite to VDSL to the Internet. Ready to Interface to devices that are SNMP-based, as well as with devices that require serial or contact closure interfaces, Newpoint Compass does it all.

New in version 6.0 is a familiar, Windows¹ Explorer like administrator. The new Administrator enhances the users experience and capability to administrate a real-time network management system.

Also new for version 6.0 is Compass Creator, a unique application that automatically configures your M&C interface at the touch of a button. Once equipment is added to the system, Creator builds device detail pages, overview pages and configures the database for you. This revolutionary tool significantly reduces the time associated with creating an M&C system. Compass comes packaged with a built-in library of device drivers, and also supplied with a Visual Driver Studio that allows users to write their own drivers.

The alarm log window displays all open and unacknowledged alarms, and includes the ability to filter alarms by type and priority, simplifying system management. Detailed records of all system activity are stored for system analysis.

Compass can be configured to interact with external data that is part of a corporate database such as Oracle. Having Newpoint Compass is like having an instant power tool for managing your network. Click. The system is drawn and configured. Click. A device is added. Click. A system is modified. Click. A pathway is rerouted. Drag. An icon is placed. Click. Displays are duplicated, renamed, or modified to speed operation and

minimize labor. Click. A device driver is added.

Large varieties of options are available that makes Newpoint Compass a flexible package that can handle all converging network management requirements.

¹ *Note: Windows is a registered trademark of Microsoft Corporation in the United States and other countries.*

SIN 132-50 – TRAINING COURSES:

Kratos Technology & Training Solutions Training Courses: Kratos Technology & Training Solutions provides training for EPOCH and OASYS Software. All training is performed at Kratos Technology & Training Solutions' training facility. There is a minimum of six students and a maximum of twelve students per class.

Training for EPOCH Telemetry and Command (T&C) Software: In this course students will develop and understanding of the EPOCH system configuration and will be provided a high level of understanding of key software components, both hardware and software. Students will be instructed as to the relationship between the EPOCH T&C server, the EPOCH Client, and all other EPOCH IPS products. Examination of stream definition and architecture will be provided including device driver and external API instruction. User privileges, user interfaces building and features, and scripting languages will be discussed.

Training for OASYS Orbital Analysis Software: The training course is intended to provide participants with an understanding of the OASYS software by exploring its features in a structured and efficient class setting. In addition to lectures on each individual OASYS service, typical operational cases are presented as part of a hands-on session. Students are encouraged to bring examples of actual spacecraft being flown. While the course material is structured and self-contained, the course format can be flexed to address the individual needs of the students. Upon course completion, users can expect to have obtained an overall understanding of how to use OASYS to satisfy their mission ops requirements. No previous orbit analysis experience is required.

Training for Advanced Orbital Theory: This course is designed to instruct students in orbital mechanics as it relates to satellite applications. This course is intended for students that have basic orbital mechanic knowledge and wish to become more aware of how to apply this knowledge in the satellite industry. Students whose job it is to perform Orbital Analysis functions are encouraged to attend. Basic knowledge of orbital mechanics is required.

Training for EPOCH Database Software: This course will provide students with an introduction to Database terminology, forms and reports. ISI's Database software storage and conversion of satellite telemetry and commanding parameters will be discussed. Users will be shown how to customize the database for project specific applications. Introduction of pseudo, derived telemetry, and global parameters will be discussed. Generation of data products that are used by the EPOCH T&C system will be taught.

Advanced EPOCH Database Software: In this course, students will get advanced instruction of the ways that the internals of the ISI database product uses relational database architectures to store satellite information. Detailed descriptions of database tables that hold all EPOCH data types will be shown and discussed. Advanced usages for table manipulation and report generation will be covered. Multiple project database scenarios and their usage will be demonstrated.

Training for EPOCH Trending Software: The objective of this course is to provide students with an understanding of the trending software that ISI provides to allow users to examine and analyze satellite archived data. The ISI Archive Browser Extractor (ABE) tool will be demonstrated and students will understand the relationship between the ABE product and the various ISI archive data created by other EPOCH IPS components. ABE operations will be taught including both interactive and batch mode processing. Detailed information on creating data tables, plots, and statistical parameters will be provided.

Training for EPOCH Task Initiator Software: In this course, students will be exposed to the installation, configuration, operation, and usages of the EPOCH Task Initiator software that performs scheduling activities for all real-time and off-line EPOCH IPS functions. Creating schedules, submission and deletion of schedules, and the various firing mechanisms inside the application will be discussed. Analysis on how to interpret results will also be covered.

Training for EPOCH Archive Manager Software: The EPOCH Archive Manager course will teach students about the design, concept, reliability, expandability, and performance of the EPOCH IPS software that archives data. Details about the software components including the administration and cataloging tools will be explored. Various directory and storage structures for immediate, short-term, and long-term data repositories will be explained.

Training for EPOCH Web Server Software: In this course, students will be exposed to the installation, configuration, operation, and usages of the EPOCH Web Server software that allows remote users of the ISI EPOCH IPS to receive data. System installation, setup, and various potential usages are described. Security and permissions for exposing data to remote hosts are discussed. Creation of Web-based tables, plots and data receipt functions are taught.

PRODUCTS AND SERVICES PRICE LISTS

SIN 132-33: SOFTWARE PRODUCTS

A. KRATOS TECHNOLOGY & TRAINING SOLUTIONS SOFTWARE PRODUCTS:

Item	Description	Unit	Price
EP-UW-S	EPOCH Telemetry and Commanding Server (Available for Unix) Allows up to 6 streams First five copies: Next five copies:	Each Each	\$33,501.26 \$26,801.01
EP-NTC-S	EPOCH Windows ¹ XP/2000 Client First five copies: Next five copies:	Each Each	\$9,571.79 \$7,657.43
EP-AM-S	Archive Manager (Available on Unix Only) (Note: No quantity discounts.)	Each Copy	\$23,929.47
EP-OA-S	OASYS Orbit Analysis Software (Available for both UNIX and Windows ¹ XP/2000) First five copies: Next five copies:	Each Each	\$33,501.26 \$26,801.01
EP-DB-S	EPOCH Database Software (Available for both UNIX and Windows ¹ XP/2000) Includes one Oracle Run Time License (Note: No quantity discounts.)	Per Seat	\$14,357.68
EP-TRG-S	EPOCH Client Trigger Applications(Available for Windows ¹ XP/2000) First copy: Next five copies:	Each Each	\$23,929.47 \$19,143.58

^{1.} Note: Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

B. SAT CORPORATION SOFTWARE PRODUCTS: (SAT Corporation is a wholly owned subsidiary of Kratos Technology & Training Solutions, Inc.)

Item	Description	Unit	Price
SSA-1000	SigMon 1000 Software License	Each	\$9,571.79
SSA-4000	SigMon 4000 Software License	Each	\$23,929.47

B. NEWPOINT SOFTWARE PRODUCTS: (Newpoint Technologies is a wholly owned subsidiary of Kratos Technology & Training Solutions, Inc.)

Item	Description	Price
C-SERVER-5	Compass Server Key supporting 5 devices (Includes CD)	\$1,133.50
C-SERVER-10	Compass Server Key supporting 10 devices (Includes CD)	\$1,889.17
C-SERVER-15	Compass Server Key supporting 15 devices (Includes CD)	\$2,833.75
C-SERVER-20	Compass Server Key supporting 20 devices (Includes CD)	\$3,596.98

Item	Description	Price
C-SERVER-25	Compass Server Key supporting 25 devices (Includes CD)	\$4,250.63
C-SERVER-30	Compass Server Key supporting 30 devices (Includes CD)	\$5,100.76
C-SERVER-35	Compass Server Key supporting 35 devices (Includes CD)	\$5,818.64
C-SERVER-40	Compass Server Key supporting 40 devices (Includes CD)	\$6,498.74
C-SERVER-45	Compass Server Key supporting 45 devices (Includes CD)	\$7,141.06
C-SERVER-50	Compass Server Key supporting 50 devices (Includes CD)	\$7,556.68
C-SERVER-75	Compass Server Key supporting 75 devices (Includes CD)	\$9,918.14
C-SERVER-100	Compass Server Key supporting 100 devices (Includes CD)	\$11,335.01
C-SERVER-150	Compass Server Key supporting 150 devices (Includes CD)	\$14,168.77
C-SERVER-200	Compass Server Key supporting 200 devices (Includes CD)	\$16,624.69
C-SERVER-250	Compass Server Key supporting 250 devices (Includes CD)	\$18,891.69
C-SERVER-300	Compass Server Key supporting 300 devices (Includes CD)	\$21,536.52
C-ENTERPRISE-10-30	Ten (10) User Compass Enterprise System Software for managing 30 remote nodes	\$5,289.67
C-ENTERPRISE-10-50	Ten (10) User Compass Enterprise System Software for managing 50 remote nodes	\$15,113.35
C-ENTERPRISE-10-100	Ten (10) User Compass Enterprise System Software for managing 100 remote nodes	\$22,670.03
C-ENTERPRISE-10-150	Ten (10) User Compass Enterprise System Software for managing 150 remote nodes	\$30,226.70
C-ENTERPRISE-10-250	Ten (10) User Compass Enterprise System Software for managing 250 remote nodes	\$37,783.38
C-ENTERPRISE-10-500	Ten (10) User Compass Enterprise System Software for managing 500 remote nodes	\$56,675.06
C-ENTERPRISE-10-1000	Ten (10) User Compass Enterprise System Software for managing 1000 remote nodes	\$75,566.75
C-SPECTRUM-ANALYZER	Provides interface into Agilent Spectrum analyzers	\$3,778.34
C-SNMP-AGENT	Provides SNMP Agent capabilities in Compass	\$1,889.17
C-SNMP-MANAGER	Provides SNMP Management capabilities in Compass	\$1,889.17
C-REDUNDANCY	Compass Software Redundancy License	\$3,778.34
C-MEDIA	Additional Compass CD	\$37.78
C-SERVER-0	Compass Base Package with Support for no Devices (Additional Compass Software Required)	755.67
<i>Newpoint Development Licenses:</i>		Price
C-DRIVER-PACK-UPGRADE	Driver Pack Upgrade (Without Maintenance Plan)	\$1,889.17
<i>Mercury Software</i>		Price
M-SNMP-AGENT	Mercury SNMP Agent - provides SNMP Agent capabilities in Mercury	\$188.92
M-SNMP-MANAGER	Mercury SNMP Manager - provides SNMP Management capabilities in Mercury	\$188.92

SIN 132-33: SOFTWARE MAINTENANCE AS A PRODUCT:

A. KRATOS TECHNOLOGY & TRAINING SOLUTIONS SOFTWARE MAINTENANCE AS A PRODUCT:

Item	Description	Annual Price as a Percentage of License Sale
S-EP-UW-S	EPOCH T&C Software Support	18%
S-EP-NTC-S	EPOCH Windows ¹ XP/2000 Client Software Support	25%
S-EP-TIG-S	EPOCH Task Initiator Environment Software Support	15%
S-EP-AM-S	Archive Manager Software Support	18%
S-EP-AMB-S	Archive Manager Backup Software Support	15%
S-EP-OA-S	OASYS Orbit Analysis Software Support	18%
S-EP-DB-S	Annual Maintenance of EPOCH Database Software	25%
S-EP-TRG-S	EPOCH Client Trigger Application Support	18%

¹ Note: Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

B. NEWPOINT AND MERCURY SOFTWARE MAINTENANCE AS A PRODUCT: (Newpoint Technologies is a wholly owned subsidiary of Kratos Technology & Training Solutions, Inc.)

Maintenance & Support Plans for Newpoint and Mercury Software:	Annual Fee as a Percentage of Software License
1 Year Maintenance and Support Agreement	18%
2 Year Maintenance and Support Agreement	16%
3 Year Maintenance and Support Agreement	14%
4 Year Maintenance and Support Agreement	10%
5 Year Maintenance and Support Agreement	10%

SIN 132-50 – TRAINING COURSES:

A. Kratos Technology & Training Solutions Training Courses:

Item	Description	Unit	Price per Student
TR-EP-UW-S	Training for EPOCH T&C Software	4 Days	\$1,760
TR-EP-OA-S	Training for OASYS Orbit Analysis Software	4 Days	\$1,760
TR-EP-AOT-S	Advanced Orbit Theory	4 days	\$2,346
TR-EP-DB-S	Training for EPOCH Database Software	1 Day	\$ 635
TR-EP-ADB-S	Advanced EPOCH Database Software	2 Days	\$ 978
TR-EP-ABE-S	Training for EPOCH Trending Software	1 Day	\$ 635
TR-EP-TI-S	Training for EPOCH Task Initiator Software	1 Day	\$ 635
TR-EP-AM-S	Training for EPOCH Archive Manager Software	1 Day	\$ 635
TR-EP-EWS-S	EPOCH Web Server Software	1 Day	\$ 635

NOTES:

*All training is performed at Kratos Technology & Training Solutions' training facility.
There is a minimum of six students and a maximum of 12 students per class.*

KRATOS TECHNOLOGY & TRAINING SOLUTIONS, INC.
PRICE LIST
SOFTWARE MAINTENANCE AS A SERVICE (SIN 132-34) AND
IT PROFESSIONAL SERVICES (SIN 132-51)*

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

GSA LABOR NO.:	POSITION	GSA PRICE: GOVERNMENT SITE RATE	GSA PRICE: CONTRACTOR SITE RATE
LB-SPGM	Sr. Program Manager	\$192.47	\$237.24
LB-PGM	Program Manager	\$181.12	\$218.74
LB-SPM	Sr. Project Manager	\$160.81	\$193.95
LB-PM	Project Manager	\$145.81	\$176.47
LB-SE-A	Systems Engineer - A	\$150.18	\$190.46
LB-SE-B	Systems Engineer - B	\$136.42	\$173.02
LB-SE-C	Systems Engineer - C	\$128.22	\$162.63
LB-SE-D	Systems Engineer - D	\$120.38	\$152.69
LB-SE-E	Systems Engineer - E	\$107.89	\$136.82
LB-SE-F	Systems Engineer - F	\$89.25	\$113.19
LB-SPA-A	Sr. Programmer Analyst - A	\$131.52	\$165.07
LB-SPA-B	Sr. Programmer Analyst - B	\$119.34	\$151.33
LB-SPA-C	Sr. Programmer Analyst - C	\$108.86	\$136.19
LB-SPA-D	Sr. Programmer Analyst - D	\$100.30	\$127.19
LB-PA-A	Programmer Analyst - A	\$93.16	\$115.01
LB-PA-B	Programmer Analyst - B	\$81.88	\$103.83
LB-PA-C	Programmer Analyst - C	\$66.27	\$80.85
LB-T-A	Technician - A	\$92.24	\$108.49
LB-T-B	Technician - B	\$72.91	\$92.47
LB-T-C	Technician - C	\$59.63	\$68.16
LB-PS-A	Publications Specialist - A	\$90.92	\$115.14
LB-PS-B	Publications Specialist - B	\$80.56	\$102.16
LB-PS-C	Publications Specialist - C	\$61.59	\$77.05
LB-SS-B	Support Staff - B	\$120.27	\$121.35
LB-SS-C	Support Staff - C	\$60.72	\$75.81
LB-SS-D	Support Staff - D	\$55.84	\$66.59
LB-SS-E	Support Staff - E	\$38.74	\$46.23
LB-AS-A	Administrative Specialist - A	\$100.18	\$118.77

SIN 132-56 Health IT

Labor Category	GSA Contractor Site 1/16/2018 to 5/4/2018	GSA Govt. Site 1/16/2018 to 5/4/2018	GSA Contractor Site 5/5/2018 to 5/4/2019	GSA Govt. Site 5/5/2018 to 5/4/2019	GSA Cont. Site 5/5/2019 to 5/4/2020	GSA Govt. Site 5/5/2019 to 5/4/2020
Healthcare IT Administration/Clerical (Entry Level)	\$53.03	\$30.67	\$53.93	\$31.19	\$54.85	\$31.72
Healthcare IT Administration/Clerical (Journeyman)	\$67.47	\$47.59	\$68.62	\$48.40	\$69.79	\$49.22
Healthcare IT Administration/Clerical (Senior)	\$79.10	\$57.11	\$80.45	\$58.08	\$81.81	\$59.06
Healthcare IT Applications Developer (Entry Level)	\$67.47	\$60.55	\$68.62	\$61.58	\$69.79	\$62.63
Healthcare IT Applications Developer (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11

Healthcare IT Applications Developer (Senior)	\$131.49	\$100.87	\$133.73	\$102.58	\$136.00	\$104.33
Healthcare IT Applications Developer (Master)	\$169.95	\$133.45	\$172.84	\$135.72	\$175.77	\$138.03
Healthcare IT Applications Systems Analyst (Entry Level)	\$63.63	\$57.11	\$64.72	\$58.08	\$65.82	\$59.06
Healthcare IT Applications Systems Analyst (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Applications Systems Analyst (Senior)	\$118.15	\$100.87	\$120.16	\$102.58	\$122.20	\$104.33
Healthcare IT Applications Systems Analyst (Master)	\$136.42	\$132.76	\$138.74	\$135.01	\$141.10	\$137.31
Healthcare IT Business Process Consultant (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11

Healthcare IT Business Process Consultant (Senior)	\$135.23	\$121.36	\$137.53	\$123.42	\$139.87	\$125.52
Healthcare IT Business Systems Analyst (Journeyman)	\$112.40	\$70.99	\$114.31	\$72.20	\$116.26	\$73.43
Healthcare IT Business Systems Analyst (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33
Healthcare IT Chief Information Security Officer (Master)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Computer Scientist (Senior)	\$128.20	\$95.56	\$130.38	\$97.18	\$132.60	\$98.84
Healthcare IT Computer Scientist (Master)	\$165.70	\$132.76	\$168.51	\$135.01	\$171.38	\$137.31
Healthcare IT Computer Forensic and Intrusion Analyst (Senior)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94

Healthcare IT Computer Forensic and Intrusion Analyst (Master)	\$179.13	\$160.76	\$182.17	\$163.49	\$185.27	\$166.27
Healthcare IT Configuration Management Specialist (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Configuration Management Specialist (Senior)	\$112.40	\$100.87	\$114.31	\$102.58	\$116.26	\$104.33
Healthcare IT Configuration Management Specialist (Master)	\$135.96	\$140.13	\$138.27	\$142.51	\$140.62	\$144.94
Healthcare IT Data Architect (Senior)	\$139.71	\$100.87	\$142.08	\$102.58	\$144.50	\$104.33
Healthcare IT Data Architect (Master)	\$180.57	\$140.13	\$183.64	\$142.51	\$186.76	\$144.94
Healthcare IT Data Warehousing Specialist (Entry Level)	\$67.47	\$60.55	\$68.62	\$61.58	\$69.79	\$62.63

Healthcare IT Data Warehousing Specialist (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Data Warehousing Specialist (Senior)	\$139.71	\$100.87	\$142.08	\$102.58	\$144.50	\$104.33
Healthcare IT Data Warehousing Specialist (Master)	\$180.57	\$121.36	\$183.64	\$123.42	\$186.76	\$125.52
Healthcare IT Database Specialist (Entry Level)	\$67.47	\$60.55	\$68.62	\$61.58	\$69.79	\$62.63
Healthcare IT Database Specialist (Journeyman)	\$97.08	\$82.54	\$98.73	\$83.94	\$100.41	\$85.37
Healthcare IT Database Specialist (Senior)	\$115.05	\$100.87	\$117.01	\$102.58	\$119.00	\$104.33
Healthcare IT Database Specialist (Master)	\$133.83	\$113.58	\$136.11	\$115.51	\$138.42	\$117.47

Healthcare IT Disaster Recovery Specialist (Journeyman)	\$112.40	\$70.99	\$114.31	\$72.20	\$116.26	\$73.43
Healthcare IT Disaster Recovery Specialist (Senior)	\$164.04	\$110.63	\$166.83	\$112.51	\$169.67	\$114.42
Healthcare IT Enterprise Architect (Senior)	\$139.71	\$100.87	\$142.08	\$102.58	\$144.50	\$104.33
Healthcare IT Enterprise Architect (Master)	\$180.57	\$140.13	\$183.64	\$142.51	\$186.76	\$144.94
Healthcare IT ERP Analyst (Senior)	\$139.71	\$100.87	\$142.08	\$102.58	\$144.50	\$104.33
Healthcare IT ERP Analyst (Master)	\$180.57	\$140.13	\$183.64	\$142.51	\$186.76	\$144.94
Healthcare IT ERP Business/Architectural Specialist (Senior)	\$112.40	\$100.87	\$114.31	\$102.58	\$116.26	\$104.33

Healthcare IT ERP Business/Architectural Specialist (Master)	\$179.13	\$140.13	\$182.17	\$142.51	\$185.27	\$144.94
Healthcare IT Financial Analyst (Journeyman)	\$112.40	\$70.99	\$114.31	\$72.20	\$116.26	\$73.43
Healthcare IT Financial Analyst (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33
Healthcare IT GIS Analyst/Programmer (Senior)	\$147.93	\$100.87	\$150.44	\$102.58	\$153.00	\$104.33
Healthcare IT Graphics Specialist (Journeyman)	\$100.57	\$70.99	\$102.28	\$72.20	\$104.02	\$73.43
Healthcare IT Graphics Specialist (Senior)	\$121.00	\$100.87	\$123.05	\$102.58	\$125.14	\$104.33
Healthcare IT Groupware Specialist (Journeyman)	\$112.40	\$70.99	\$114.31	\$72.20	\$116.26	\$73.43
Healthcare IT Groupware Specialist (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33
Hardware Engineer (Entry Level)	\$97.08	\$47.59	\$98.73	\$48.40	\$100.41	\$49.22
Hardware Engineer (Journeyman)	\$100.58	\$87.12	\$102.29	\$88.60	\$104.03	\$90.11

Hardware Engineer (Senior)	\$121.00	\$100.87	\$123.05	\$102.58	\$125.14	\$104.33
Hardware Engineer (Master)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Helpdesk Specialist (Entry Level)	\$60.37	\$57.36	\$61.40	\$58.33	\$62.44	\$59.32
Healthcare IT Helpdesk Specialist (Journeyman)	\$74.60	\$73.37	\$75.86	\$74.61	\$77.15	\$75.88
Healthcare IT Helpdesk Specialist (Senior)	\$103.91	\$100.87	\$105.68	\$102.58	\$107.48	\$104.33
Healthcare IT Information Assurance/Security Specialist (Entry Level)	\$67.47	\$60.55	\$68.62	\$61.58	\$69.79	\$62.63
Healthcare IT Information Assurance/Security Specialist (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Information Assurance/Security Specialist (Senior)	\$156.14	\$100.87	\$158.80	\$102.58	\$161.50	\$104.33
Healthcare IT Information Assurance/Security Specialist (Master)	\$201.81	\$181.12	\$205.24	\$184.20	\$208.73	\$187.33
Healthcare IT Information Specialist/Knowledge Engineer (Senior)	\$156.14	\$100.87	\$158.80	\$102.58	\$161.50	\$104.33
Healthcare IT Information Specialist/Knowledge Engineer (Master)	\$201.81	\$140.13	\$205.24	\$142.51	\$208.73	\$144.94
Healthcare IT Modeling and Simulation Specialist (Senior)	\$135.23	\$140.13	\$137.53	\$142.51	\$139.87	\$144.94

Healthcare IT Modeling and Simulation Specialist (Master)	\$156.14	\$171.20	\$158.80	\$174.11	\$161.50	\$177.07
Healthcare IT Network Specialist (Entry Level)	\$79.10	\$47.59	\$80.45	\$48.40	\$81.81	\$49.22
Healthcare IT Network Specialist (Journeyman)	\$112.40	\$70.99	\$114.31	\$72.20	\$116.26	\$73.43
Healthcare IT Network Specialist (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33
Healthcare IT Network Specialist (Master)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Program Manager (Senior)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Program Manager (Master)	\$179.13	\$160.76	\$182.17	\$163.49	\$185.27	\$166.27
Healthcare IT Project Manager (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11
Healthcare IT Project Manager (Senior)	\$135.23	\$121.36	\$137.53	\$123.42	\$139.87	\$125.52
Healthcare IT Quality Assurance Specialist (Entry Level)	\$67.47	\$60.55	\$68.62	\$61.58	\$69.79	\$62.63
Healthcare IT Quality Assurance Specialist (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Quality Assurance Specialist (Senior)	\$112.40	\$100.87	\$114.31	\$102.58	\$116.26	\$104.33
Healthcare IT Quality Assurance Specialist (Master)	\$201.81	\$140.13	\$205.24	\$142.51	\$208.73	\$144.94

Healthcare IT Research Analyst (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Research Analyst (Senior)	\$121.00	\$114.97	\$123.05	\$116.93	\$125.14	\$118.92
Healthcare IT Strategic/Capital Planner (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11
Healthcare IT Strategic/Capital Planner (Senior)	\$135.23	\$121.36	\$137.53	\$123.42	\$139.87	\$125.52
Healthcare IT Subject Matter Expert (Journeyman)	\$112.40	\$100.87	\$114.31	\$102.58	\$116.26	\$104.33
Healthcare IT Subject Matter Expert (Senior)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Subject Matter Expert (Master)	\$201.81	\$181.12	\$205.24	\$184.20	\$208.73	\$187.33
Healthcare IT Systems Engineer (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11
Healthcare IT Systems Engineer (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33
Healthcare IT Systems Engineer (Master)	\$156.14	\$140.13	\$158.80	\$142.51	\$161.50	\$144.94
Healthcare IT Technical Editor (Entry Level)	\$79.10	\$70.99	\$80.45	\$72.20	\$81.81	\$73.43
Healthcare IT Technical Editor (Journeyman)	\$71.53	\$59.61	\$72.75	\$60.62	\$73.98	\$61.65

Healthcare IT Technical Writer (Journeyman)	\$84.81	\$68.79	\$86.26	\$69.96	\$87.72	\$71.15
Healthcare IT Technical Writer (Senior)	\$112.40	\$95.77	\$114.31	\$97.40	\$116.26	\$99.06
Healthcare IT Test Engineer (Entry Level)	\$79.10	\$70.99	\$80.45	\$72.20	\$81.81	\$73.43
Healthcare IT Test Engineer (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11
Healthcare IT Test Engineer (Senior)	\$135.23	\$121.36	\$137.53	\$123.42	\$139.87	\$125.52
Healthcare IT Training Specialist (Entry Level)	\$79.10	\$70.99	\$80.45	\$72.20	\$81.81	\$73.43
Healthcare IT Training Specialist (Journeyman)	\$97.08	\$82.54	\$98.73	\$83.94	\$100.41	\$85.37
Healthcare IT Training Specialist (Senior)	\$112.40	\$100.87	\$114.31	\$102.58	\$116.26	\$104.33
Healthcare IT Voice/Data Communications Engineer (Entry Level)	\$67.47	\$47.59	\$68.62	\$48.40	\$69.79	\$49.22
Healthcare IT Voice/Data Communications Engineer (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Voice/Data Communications Engineer (Senior)	\$123.27	\$100.87	\$125.37	\$102.58	\$127.50	\$104.33
Healthcare IT Voice/Data Communications Engineer (Master)	\$133.83	\$121.36	\$136.11	\$123.42	\$138.42	\$125.52

Healthcare IT Web Content Analyst (Entry Level)	\$67.47	\$47.59	\$68.62	\$48.40	\$69.79	\$49.22
Healthcare IT Web Content Analyst (Journeyman)	\$97.08	\$87.12	\$98.73	\$88.60	\$100.41	\$90.11
Healthcare IT Web Content Analyst (Senior)	\$123.27	\$100.87	\$125.37	\$102.58	\$127.50	\$104.33
Healthcare IT Web Designer (Entry Level)	\$79.10	\$47.59	\$80.45	\$48.40	\$81.81	\$49.22
Healthcare IT Web Designer (Journeyman)	\$112.40	\$87.12	\$114.31	\$88.60	\$116.26	\$90.11
Healthcare IT Web Designer (Senior)	\$135.23	\$100.87	\$137.53	\$102.58	\$139.87	\$104.33