

ITES-2S LABOR CATEGORY DESCRIPTIONS

Labor Category Descriptions. The government's minimum requirements for each labor category are identified below. The Contractor may augment their labor categories and job descriptions on a task order basis. The Contractor may propose to the Government, at their discretion, additional labor categories and job descriptions within the scope of ITES-2S.

Program Management

Program Manager – Senior

Description: Under indirect supervision, oversees the operational planning, establishment, execution, and evaluation of a multifaceted program/project typically consisting of a set of closely related subprograms or associated activities. Oversees fiscal, operational, administrative, and human resources management of the program; seeks and develops outside funding sources, serves as principal point of representation and liaison with external constituencies on operational matters, and provides day-to-day technical/professional guidance and leadership as appropriate to the area of expertise.

Program Manager – Intermediate

Description: Under general direction, oversees the operational planning, establishment, execution, and evaluation of a multifaceted program/project typically consisting of a set of closely related subprograms or associated activities. Oversees fiscal, operational, administrative, and human resources management of the program; seeks and develops outside funding sources, serves as principal point of representation and liaison with external constituencies on operational matters, and provides day-to-day technical/professional guidance and leadership as appropriate to the area of expertise.

Program Manager – Associate

Description: Under immediate supervision, oversees the operational planning, establishment, execution, and evaluation of a multifaceted program/project typically consisting of a set of closely related subprograms or associated activities. Oversees fiscal, operational, administrative, and human resources management of the program; seeks and develops outside funding sources, serves as principal point of representation and liaison with external constituencies on operational matters, and provides day-to-day technical/professional guidance and leadership as appropriate to the area of expertise.

Project Management

Project Manager - Senior

Description: Responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates,

resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems.

Project Manager - Intermediate

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

Project Manager - Associate

Description: Under direct supervision, responsible for assigned aspects of the development and implementation of assigned projects and provides a single point of contact for those aspects. Interfaces with all areas affected by the project including end users, computer services, and client services. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Recommends action to direct the analysis and solutions of problems.

Project Planning Manager

Description: Manages technical projects of a medium to high priority. Responsible for meeting budget and time goals. Supervises activities of medium sized (15-25) multi-disciplinary team. Typically has 8-10 years of progressive business experience including management of projects. Reports to the Project Director or to the Corporate IT Planning Director.

Project Administrator

Description: Responsible for managing technical projects with strategic impact across the organization. Negotiates support from management, securing both financial and technical resources. Manages a multi-disciplinary team of 25 or more. Assesses opportunities, impacts and risks, develops and implements complex/new solutions.

Project Engineer - Senior

Description: Under general direction, has duties of instructing, directing, and checking the work of other project engineers. Responsible for the completion of assigned engineering projects within budgetary and scheduling guidelines. Leads a group of engineers, analysts, and/or technicians assigned for the duration of a project or may function as ongoing lead within a group of engineers associated with one or more

technical areas within the telecom function (such as, but not limited to, network design, engineering, implementation, or operations/user support). Does not have formal supervisory responsibilities, although may provide input for (project) team member performance appraisals.

Project Engineer - Intermediate

Description: Under general supervision, has duties of instructing, directing, and checking the work of other project engineers. Responsible for the completion of assigned engineering projects within budgetary and scheduling guidelines. Leads a group of engineers, analysts, and/or technicians assigned for the duration of a project or may function as ongoing lead within a group of engineers associated with one or more technical areas within the telecom function (such as, but not limited to, network design, engineering, implementation, or operations/user support). Does not have formal supervisory responsibilities, although may provide input for (project) team member performance appraisals.

Project Engineer - Associate

Description: Under direct supervision, has duties of instructing, directing, and checking the work of other project engineers. Responsible for the completion of assigned engineering projects within budgetary and scheduling guidelines. Leads a group of engineers, analysts, and/or technicians assigned for the duration of a project or may function as ongoing lead within a group of engineers associated with one or more technical areas within the telecom function (such as, but not limited to, network design, engineering, implementation, or operations/user support). Does not have formal supervisory responsibilities, although may provide input for (project) team member performance appraisals.

Quality Assurance

Quality Assurance Analyst – Senior

Description: Under general direction, carries out procedures to ensure that all information systems products and services meet organization standards and end-user requirements. Performs and leads tests of software to ensure proper operation and freedom from defects. May create test data for applications. Documents and works to resolve all complex problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Acts as information resource about assigned areas to technical writers and other Quality Assurance Analysts. Performs complex workflow analysis and recommends quality improvements.

Quality Assurance Analyst – Intermediate

Description: Under general supervision, carries out procedures to ensure that all information systems products and services meet minimum organization standards and end-user requirements. Thoroughly tests software to ensure proper operation and freedom from defects. Documents and works to resolve all problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops

models of possible future configurations. Performs workflow analysis and recommends quality improvements.

Quality Assurance Analyst – Associate

Description: Under direct supervision, carries out procedures to ensure that all information systems products and services meet organization standards and end-user requirements. Assists in the testing of software to ensure proper operation and freedom from defects. Documents and works to resolve basic problems. Reports progress on problem resolution to management. This position is staffed by beginners who have had sufficient educational background and/or experience to qualify them to start in quality assurance analysis.

IT Systems Architecture

Client/Server Network Architect

Description: Top-level technical expert responsible for design and development of a client/server environment. Develops strategy of client/server system 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 client/server relational database structure for the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

Software Architect

Description: Works independently designing and developing new software products or major enhancements to existing software. May lead a large development team in design of highly complex software systems. Acts as highest-level technical expert, addressing problems of systems integration, compatibility, and multiple platforms. Responsible for project completion. Performs feasibility analysis on potential future projects to management.

Systems Engineer - Senior

Description: Under general direction, performs high-level systems analysis, evaluation, design, integration, documentation, and implementation of very complex application that require a thorough knowledge of administrative and technical skills. Directs and participates in all phases of system development with emphasis on planning, analysis, evaluation, integration, testing and acceptance phases (IV&V and DT&E). Applies higher-level business or technical principles and methods to very difficult technical problems to arrive at automated engineering solution. Designs and prepares technical reports and related documentation, and makes charts and graphs to record results. Prepare and deliver presentations and briefings as required by the Task Order. May be required to serve as Task Leader. Responsible for ensuring the quality and services delivered for particular task(s) for which this skill is performing the Task Leader position.

Systems Engineer - Intermediate

Description: Under general supervision, performs high-level systems analysis, evaluation, design, integration, documentation, and implementation of very complex application that require a thorough knowledge of administrative and technical skills. Directs and participates in all phases of system development with emphasis on planning, analysis, evaluation, integration, testing and acceptance phases (IV&V and DT&E). Applies higher-level business or technical principles and methods to very difficult technical problems to arrive at automated engineering solution.

Systems Engineer - Associate

Description: Under direct supervision assists in performing systems analysis, evaluation, design, integration, documentation, and implementation of applications that require comprehensive knowledge and technical skills.

Managed System Engineer - Senior

Description: Under general direction, performs duties such as site surveys, architecture design, system evaluation, system analysis, and infrastructure assessment. The managed system engineer shall perform duties on tasks that require expertise in system/processor architecture, wired for management baseline, desktop management interface, SNMP, client/server architecture, operating systems, software applications, network protocols, routers, switches, remote access servers, and firewalls.

Managed Systems Engineer - Intermediate

Description: Under general supervision, performs duties such as site surveys, architecture design, system evaluation, system analysis, and infrastructure assessment. Performs duties on tasks that require expertise in system/processor architecture, wired for management baseline, desktop management interface, SNMP, client/server architecture, operating systems, software applications, network protocols, routers, switches, remote access servers, and firewalls.

Managed Systems Engineer - Associate

Description: Under direct supervision, assists in site surveys, architecture design, system evaluation, system analysis, and infrastructure assessment.

Principal Industry/Functional Area Expert

Description: Recognized for strong expertise in industry issues and trends. Utilizes functional area expertise gained through direct industry experience to assess the operational and functional baseline of an organization and its organizational components. Works with senior managers and executives to provide industry vision and strategic direction with regard to their enterprise. Guides the determination of information technology inadequacies and/or deficiencies that affect the functional area's ability to support/meet organizational goals. Generates functional area strategies for enhanced IT operations in a cross-functional area mode throughout the organization. Participates in account strategy sessions, strategic assessments and design reviews to validate enterprise approach and associated work products. Provides guidance and direction to other professionals, acts in a consulting and/or advisory capacity; coordinates resolution of

highly complex problems and tasks, possesses ability to meet and operate under deadlines.

Application Systems

Applications Systems Analyst – Senior

Description: Under general direction, formulates/defines system scope and objectives based on user needs. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time and form of desired results. Prepares detailed specifications from which programs will be written. Analyzes and revises existing system logic difficulties and documentation as necessary. Competent to work at the highest technical level of all phases of applications systems analysis activities. May use CASE tools.

Applications Systems Analyst – Intermediate

Description: Under general supervision, formulates and defines system scope and objectives through research and fact-finding to develop or modify moderately complex information systems. Prepares detailed specifications from which programs will be written. Analyzes and revises existing system logic difficulties and documentation as necessary. Competent to work on most phases of applications systems analysis activities, but requires instruction and guidance in other phases. May use CASE tools.

Applications Systems Analyst – Associate

Description: Under immediate supervision, assists in research and fact-finding to develop or modify information systems. Assists in preparing detailed specifications from which programs will be written. Analyzes and revises existing system logic difficulties and documentation as necessary. May use CASE tools.

Software Engineer – Senior

Description: Under general direction, conducts or participates in multidisciplinary research and collaborates with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems software. Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; designs and develops compilers and assemblers, utility programs, and operating systems.

Software Engineer – Intermediate

Description: Under general supervision, conducts or participates in multidisciplinary research and collaborates with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems software. Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; designs and develops compilers and assemblers, utility programs, and operating systems.

Software Engineer – Associate

Description: Under direct supervision, assists in designing and developing compilers and assemblers, utility programs, and operating systems.

Applications Programmer – Senior

Description: Under general direction, devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time and form of desired results. Designs, codes, tests, debugs and documents those programs. Competent to work at the highest technical level of all phases of applications programming activities. Note: This position does not perform systems analysis functions.

Applications Programmer – Intermediate

Description: Under general supervision, modifies moderately complex applications programs from detailed specification. Codes, tests, debug, and documents and maintains those programs. Competent to work on most phases of applications programming activities, but requires instruction and guidance in phases. Note: This position does not perform systems analysis functions.

Applications Programmer – Associate

Description: Under immediate supervision, modifies applications programs from detailed specifications. Codes, tests, debugs documents and maintains those programs. This level is staffed by beginners who have had sufficient educational background and/or experience to qualify them to start in applications programming. Note: This position does not perform systems analysis functions.

IT Certified Professional – Senior

Description: Under general direction, responsible for the most complex testing and analysis of all elements of the network facilities including: power, software, communications devices, lines, modems and terminals. Monitors and controls the performance and status of the network resources. May function in a lead capacity within the department. Provides guidance and direction for less experienced personnel.

IT Certified Professional –Intermediate

Description: Under general supervision, responsible for moderately complex tasks typically relating to network monitoring, operations, installation or maintenance. Handles routine network activities and identifies and resolves routine network problems.

IT Certified Professional – Associate

Description: Under direct supervision, assists in monitoring and responding to technical control facility hardware and software problems utilizing hardware and software testing tools and techniques. May provide LAN server support. May assist installing terminals and associated hardware. Requires knowledge of data scopes, patch panels, modems, concentrators, and associated terminal and network management software.

Operations and Logistics

Seat Management Administrator. The seat management administrator shall perform duties such as configuration management, infrastructure management, asset management, help desk, system analysis, and infrastructure assessment. The seat management administrator shall perform duties on tasks that require expertise in system/processor architecture, wired for management baseline, desktop management interface, SNMP, client/server architecture, operating systems, software applications, network protocols, routers, switches, remote access servers, and firewalls.

Configuration Management (CM) Specialist - Senior

Description: Under general direction, responsible for effectively tracking, logging, categorizing, and maintaining changes made against the accepted Army baseline(s) standards. Develops, distributes, and tracks all change packages resulting from approved Configuration Control Board action. Trains personnel by conducting workshops and seminars on the proper methodology to maintain a proactive CM program. Provides daily support and direction to staff as to change status requirements, deadlines, and problems.

Configuration Management (CM) Specialist - Intermediate

Description: Under immediate supervision, responsible for effectively tracking, logging, categorizing, and maintaining changes made against the accepted Army baseline(s) standards. Develops, distributes, and tracks all change packages resulting from approved Configuration Control Board action.

Configuration Management (CM) Specialist - Associate

Description: Under immediate supervision, distributes and tracks all change packages resulting from approved Configuration Control Board action. Provides daily support to staff as to change status requirements, deadlines, and problems.

Computer Operator – Senior

Description: Under general direction, monitors and controls one or more servers by operating the central console or on-line terminals. Studies program operating instruction sheets to determine equipment setup and run operations. Continuously observes the operation of the console panel, storage devices, printers, and the action of the console printer to monitor the system and determine the point of equipment or program failure. Manipulates controls in accordance with standard procedures to rearrange sequence of job steps to continue operations when individual units of the system malfunction. Confers with software systems engineering or applications programming personnel in the event errors require a change of instructions or sequence of operations. Maintains operating records such as machine performance and production reports. Competent to work at the highest level of all computer operations phases.

Computer Operator – Intermediate

Description: Under general supervision, monitors and controls a computer by operating the central console or on-line terminals. May operate auxiliary equipment directly

associated with the computer. May maintain records regarding output units and supply inventories. May assist in manipulating controls to rearrange sequence of job steps to continue operations when individual units of the system malfunction. Competent to work on most phases of computer operations, but still may require some instruction and guidance for other phases.

Computer Operator – Associate

Description: Under immediate supervision, assists in performing routine tasks associated with operating a computer in accordance with detailed instructions.

Information Assurance

Information Assurance Engineer - Senior

Description: Under general direction, responsible for all activities relating to information assurance procedures and systems. Develops information systems assurance programs and control guidelines. Confers with and advises subordinates on administrative policies and procedures and resolving technical problems, priorities, and methods. Consults with and advises other sections regarding internal controls and security procedures. Prepares activity and progress reports relating to the information systems audit function.

Information Assurance Engineer - Intermediate

Description: Under general supervision, develops information systems assurance programs and control guidelines, assists in resolving technical problems, priorities, and methods.

Information Assurance Engineer - Associate

Description: Under general supervision, audits new and existing information systems applications to ensure that appropriate controls exist, that processing is efficient and accurate, and that systems procedures are in compliance with corporate standards

Information Systems Auditor – Senior

Description: Under general direction, audits the most complex new and existing information systems applications to ensure that appropriate controls exist, that processing is efficient and accurate, and that information systems procedures are in compliance with corporate standards. Competent to work at the highest level of all phases of information systems auditing.

Information Systems Auditor – Intermediate

Description: Under general supervision, audits moderately complex new and existing information systems applications to ensure that appropriate controls exist, that processing is efficient and accurate, and that systems and procedures are in compliance with corporate standards. Competent to work on most phases of information systems auditing.

Information Systems Auditor – Associate

Description: Under direct supervision, carries out routine phases of the systems audit function. Assists in the auditing of new and existing information systems applications to

ensure that appropriate controls exist, that processing is efficient and accurate, and that systems and procedures are in compliance with corporate standards. Staffed by skilled employees who have had sufficient educational background and/or experience in information systems auditing.

Data Security Analyst – Senior

Description: Under general direction, performs all procedures necessary to ensure the safety of information systems assets and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them. Ensures that user community understands and adheres to necessary procedures to maintain security. May require familiarity with domain structures, user authentication, and digital signatures. Conducts accurate evaluation of the level of security required. May require understanding of firewall theory and configuration. Must be able to weigh business needs against security concerns and articulate issues to management. Frequently reports to a Data Security Administration Manager.

Data Security Analyst – Intermediate

Description: Under general supervision, performs all procedures necessary to ensure the safety of information systems assets and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them. Ensures that user community understands and adheres to necessary procedures to maintain security. May require familiarity with domain structures, user authentication, and digital signatures. Conducts accurate evaluation of the level of security required. May require understanding of firewall theory and configuration. Frequently reports to a Data Security Administration Manager.

Data Security Analyst – Associate

Under direct supervision, performs all procedures necessary to ensure the safety of information, systems assets and to protect systems from intentional or inadvertent access or destruction. Interfaces with user community to understand their security needs and implements procedures to accommodate them. Ensures that user community understands and adheres to necessary procedures to maintain security. Conducts accurate evaluation of the level of security required. Provides management with status reports. Frequently reports to a Data Security Administration Manager.

Disaster Recovery/COOP/Contingency Administrator.

Description: Responsible for preparing contingency plans for system software, hardware, and applications for the organization. Implements procedures to ensure business applications continue to function through disruptive incidents within an organization. Develops and maintains various security controls to protect technology assets from internal or inadvertent modification, disclosure or destruction. Provide reports to supervisors regarding effectiveness of data security and make recommendations for the adoption of new procedures. Oversees and facilitates the preparation of an organization-wide business resumption plan. Responsible for ensuring

the business resumption plan adequately addresses the organization's requirements and established timeframes. Responsible for day-to-day security administration of the organization's data systems and data networks including systems access administration.

Information Security Specialist Senior.

Description: Under general direction, uses current information security technology disciplines and practices to ensure the confidentiality, integrity and availability of corporate information assets in accordance with established standards and procedures. Develops and maintains knowledgebase on changing regulatory, threat, and technology landscapes to continually develop or maintain security policies and standards, and ensure compliance throughout the organization.

Information Security Specialist Intermediate.

Description: Under general supervision, uses current information security technology disciplines and practices to ensure the confidentiality, integrity and availability of corporate information assets in accordance with established standards and procedures. Develops and maintains knowledgebase on changing regulatory, threat, and technology landscapes to continually develop or maintain security policies and standards, and ensure compliance throughout the organization.

Information Security Specialist Associate.

Description: Under direct supervision, assists in developing and maintaining knowledgebase on changing regulatory, threat, and technology landscapes to continually develop or maintain security policies and standards, and ensure compliance throughout the organization.

System Administration

Systems Administrator – Senior

Description: Under general direction, responsible for activities related to system administration. Assigns personnel to various projects, directs their activities, and evaluates their work. Ensures long-term requirements of systems operations and administration are included in the overall information systems planning of the organization. Responsible for the installation, maintenance, configuration, and integrity of computer software. Implements operating system enhancements that will improve the reliability and performance of the system.

Systems Administrator – Intermediate

Description: Under general supervision, responsible for installing, configuring, and maintaining operating system workstations and servers, including web servers, in support of business processing requirements. Performs software installations and upgrades to operating systems and layered software packages. Schedules installations and upgrades and maintains them in accordance with established IT policies and procedures. Monitors and tunes the system to achieve optimum performance levels. Ensures workstation/server data integrity by evaluating, implementing, and managing appropriate software and hardware solutions. Ensures data/media recoverability by implementing a schedule of

system backups and database archive operations. Supports media management through internal methods and procedures or through offsite storage and retrieval services. Develops and promotes standard operating procedures. Conducts routine hardware and software audits of workstations and servers to ensure compliance with established standards, policies, and configuration guidelines. Develops and maintains a comprehensive operating system hardware and software configuration database/library of all supporting documentation.

Systems Administrator -Associate

Description: Under direct supervision, maintains integrity of the operating system environment. Performs system software upgrades including planning and scheduling, testing, and coordination. Performs workstation and server administration setup. Coordinates disk space planning and management. Maintains growth statistics, space forecasts, tape libraries, and software and hardware inventories. Performs data backups and recoveries. Monitors and maintains continuity with system software licensing and maintenance agreements. Provides recommendations regarding hardware and system software planning and budgeting. Maintains production change control schedule and participates in change control.

Data Administration

Database Administrator

Description: Participates in the design, creation, and maintenance of computerized databases. Responsible for the quality control and auditing of databases to ensure accurate and appropriate use of data. Works with management to develop database strategies to support organization requirements. Consults with and advises users on access to various databases. Works directly with users to resolve data conflicts and inappropriate data usage. Directs the maintenance and use of the corporate data dictionary.

Database Analyst/Programmer – Senior

Description: Under general direction, designs, implements and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, and integration of systems through database design. Competent to work at the highest level of all phases of database management.

Database Analyst/Programmer – Intermediate

Description: Under general supervision, designs, implements, and maintains moderately complex databases. Includes maintenance of database dictionaries and integration of systems through database design. Competent to work on most phases of database administration, but may require some instruction and guidance in other phases.

Database Analyst/Programmer – Associate

Description: Under direct supervision, assists in the implementation and maintenance of databases.

Database Librarian

Description: Under general supervision, enters and maintains data dictionary information, data keyword lists, and dictionary forms. Reviews all information to be entered into the dictionary to assure adherence to standards and to ensure that all requirements are met. Maintains current library of each processing system's information recorded in the dictionary.

Data Warehousing

Data Warehousing Project Manager

Description: Works in a data warehouse environment that includes data design, database architecture, metadata and repository creation. Responsible for leading data warehouse team in development and enhancements of the data warehouse user interface. Establishes user requirements. Creates new standards and procedures related to end user and internal interface development. Works with Data Architect on technical issues and system architecture definition. Translates high-level work plans and converts to detailed assignments for team members. Monitors status of assignments, and reviews work for completion/quality.

Data Architect

Description: Works in a data warehouse environment that includes data design, database architecture, metadata and repository creation. Translates business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Responsible for developing data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Evaluates reusability of current data for additional analyses. Conducts data cleaning to rid the system of old, unused, or duplicate data. Reviews object and data models and the metadata repository to structure the data for better management and quicker access.

Data Warehouse Analyst

Description: Works in a data warehouse environment that includes data design, database architecture, metadata and repository creation. Reviews data loaded into the data warehouse for accuracy. Responsible for the development, maintenance and support of an enterprise data warehouse system and corresponding data marts. Troubleshoots and tunes existing data warehouse applications. Conducts research into new data warehouse applications and determines viability for adoption. Assists in establishing development standards. Evaluates existing subject areas stored in the data warehouse. Incorporated existing subject areas into an enterprise model. Creates new or enhanced components of the data warehouse.

Data Warehousing Programmer

Description: Under general supervision, responsible for product support and maintenance of the data warehouse. Performs data warehouse design and construction.

Codes and documents scripts and stored procedures. Designs and implements data strategy methods. Develops appropriate programs and systems documentation. Assists with metadata repository management. Prepares and implements data verification and testing methods for the data warehouse. Creates index and view scripts.

Data Warehousing Administrator

Description: Under general supervision, coordinates the data administration technical function for both data warehouse development and maintenance. Plans and oversees the technical transitions between development, testing, and production phases of the workplace. 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. Expands and improves data warehouse to include data from all functions of the organization using data manipulation, transformation, and cleansing tools.

Help Desk/End User Support

Help Desk Coordinator

Description: Responsible for ensuring the timely process through which problems are controlled. Includes problem recognition, research, isolation, resolution and follow-up steps. Requires experience and understanding of MIS environment. Is able to resolve less complex problems immediately, while more complex problems are assigned to second level support or supervisor. Typically involves use of problem management database and help desk system. May provide guidance/training for less experienced personnel.

Help Desk Support Service Specialist – Senior

Description: Under general direction, provides second-tier support to end-users for PC, server, mainframe applications, and hardware. Handles problems that the first-tier of help desk support is unable to resolve. May 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 systems modifications to reduce user problems. Maintains currency and highest level of technical skill in field of expertise.

Help Desk Support Service Specialist – Intermediate

Description: Under general supervision, provides second-tier support to end-users for PC, server, mainframe applications and hardware. Handles problems that the first-tier of help desk support is unable to resolve. May 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 systems modifications to reduce user problems. Maintains currency and high level of technical skill in field of expertise. Escalates more complex problems to Senior Level.

Help Desk Support Service Specialist – Associate

Description: Under direct supervision, provides support to end-users for PC, server or mainframe applications, and hardware. May interact with network services, software systems engineering and/or applications development to restore service and/or identify and correct core problems. Simulates or recreates user problems to resolve operating difficulties. Recommends systems modifications to reduce user problems. Refers more complex problems to intermediate and/or senior level.

PC Support Manager

Description: Responsible for overall personal computer activity. Establishes and implements PC policies, procedures and standards, and ensures their conformance with information systems goals and procedures. Studies and projects PC resource requirements including personnel, software, equipment and facilities, and makes recommendations to management. Maintains currency in new developments and technology. Provides for the training of department staff and end users. Directs setup and maintenance of library and materials for end user reference and reviews department staff. Ensures that security procedures are implemented and enforced. Provides leadership in the effective use of internal data processing, automated office systems and data communications. May also manage LAN services.

PC Systems Specialist

Description: Under general supervision, performs analytical, technical and administrative work in the planning, design and installation of new and existing personal computer systems. Works on moderately complex applications. Confers with end users to determine types of hardware and software required. Writes programs to fulfill requirements or selects appropriate off-the-shelf software and modifies to suit. May maintain or utilize telecommunications protocols. Installs new hardware and maintains existing hardware. Trains end users in use of equipment and software.

PC Maintenance Technician

Description: Under direct supervision, performs general maintenance tasks, troubleshoots and repairs computer systems and peripheral equipment located throughout the organization. Maintains an adequate spare parts inventory of systems, subsystems, and component parts used in repair work. Prepares progress reports for all work performed. Receives work direction from supervisor on work priorities and daily assignments. Frequently reports to a PC Support Manager.

Internet/Web Operations

Web Project Manager

Description: Responsible for web strategy and operations. Develops business plan and annual budget for website function. Accountable for budget, staff planning, management, and products and service delivery. Oversees operational activities of the website(s) with specific attention aimed at content creation and website maintenance.

Web Designer - Senior.

Description: Under general direction, 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 organization's online offerings. Designs the website to support the organization's strategies and goals relative to external communications. Requires understanding of web-based technologies and thorough knowledge of HTML, PhotoShop, Illustrator, and/or other design-related applications.

Web Designer - Intermediate.

Description: Under general supervision, 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 organization's online offerings. Designs the website to support the organization's strategies and goals relative to external communications. . Develops applications based on current, new and future net-based applications. Requires significant graphics and design experience as well as HTML knowledge.

Web Designer - Associate.

Description: Under direct supervision assists in designing and developing user interface features, site animation, and special-effects elements. Assists in designing the website to support the organization's strategies and goals relative to external communications. Requires graphics and design experience as well as HTML knowledge.

Web software Developer - Senior.

Description: Under general direction, designs, develops, troubleshoots, debugs, and implements software code (such as HTML, CGI, and JavaScript) for a component of the website. Works with graphic designers and other members of a project team to develop the site concept, interface design, and architecture of the website. Responsible for interface implementation. Integrates web applications with backend databases. Deploys large web-based transaction systems using application servers. Researches, tests, builds, and coordinates the integration of new products per production and client requirements. Requires strong navigation and site-design instincts.

Web software Developer - Intermediate.

Description: Under general supervision, develops, codes, tests, and debugs new software and enhancements to existing web software. Competent to work on fairly complex programs with guidance. Works with technical staff to understand problems with web software and resolve them.

Web software Developer - Associate

Description: Under direct supervision, assists in developing, coding, testing, and debugging new software and enhancements to existing web software.

Web Technical Administrator

Description: In role of onsite administrator, responsible for achieving overall technical integrity of organization's website. Maintains and upgrades hardware and software including website technical architecture related to hardware and telecommunication

connectivity. Administers e-mail, chat, and FTP services. Communicates router configuration changes and troubleshoots system errors and bugs. Maintains servers, creates monitoring reports and logs, and ensures functionality of links. Monitors site for acceptable performance and user accessibility. Establishes backups and monitors site security.

Web Content Administrator

Description: Responsible for developing and providing content that will motivate and entertain users so that they regularly access the website and utilize it as a major source for information and decision-making. Responsible for managing/performing website editorial activities including gathering and researching information that enhances the value of the site. Locates, negotiates, and pursues content. Seeks out customers to gather feedback for website improvement and enhancements. Requires experience in production management, web page design, HTML, and web graphics types and standards.

Network Administration/Support

Network Administrator – Senior

Description: Under general direction, responsible for the acquisition, installation, maintenance and usage of the company's local area network. Studies contractor products to determine those which best meet company needs; assists in presentation of information to management resulting in purchase and installation of hardware, software, and telecommunication equipment. Manages network performance and maintains network security. Ensures that security procedures are implemented and enforced. Installs all network software. Evaluates, develops and maintains telecommunications systems. Troubleshoots network problems. Establishes and implements network policies, procedures and standards and ensures their conformance with information systems and company's objectives. Trains users on network operation.

Network Administrator – Intermediate

Description: Under general supervision, responsible for the acquisition, installation, maintenance, and usage of the organization's local area network. Manages network performance and maintains network security. Ensures that security procedures are implemented and enforced. Installs all network software. Evaluates, develops and maintains telecommunications systems. Troubleshoots network problems. Establishes and implements network policies, procedures, and standards and ensures their conformance with information systems and organization objectives. Trains users on network operation. Frequently reports to a PC support manager or Senior network Administrator.

Network Administrator - Associate

Description: Under direct supervision, assists in the installation, maintenance, and usage of the organization's local area network. Assists in the establishment of network procedures regarding access methods and time, security validation checks, and documentation. Maintains network software and hardware inventories. Researches

software and hardware issues regarding the network. Inform users when there are network problems. Monitors and maintains continuity with software licensing and maintenance agreements. Troubleshoots network problems. Frequently reports to a PC Support Manager or Senior network Administrator

Network Support Technician – Senior

Description: Under general direction, monitors and responds to complex technical control facility hardware and software problems utilizing a variety of hardware and software testing tools and techniques. Provides primary interface with contractor support service groups or provides internal analysis and support to ensure proper escalation during outages or periods of degraded system performance. May provide network server support. Requires extensive knowledge of PC/network communications hardware/software in a multi-protocol environment, and network management software. May function as lead job providing guidance and training for less experienced technicians.

Network Support Technician – Intermediate

Description: Under general supervision, monitors and responds to technical control facility hardware and software problems utilizing hardware and software testing tools and techniques. May interface with contractor support service groups to ensure proper escalation during outages or period of degraded system performance. May assist with installation of terminals and associated hardware. May provide network server support. Requires strong knowledge of PC/Network communications hardware/software, in a multi-protocol environment, and network management software.

Network Support Technician – Associate

Description: Under direct supervision, assists in monitoring and responding to technical control facility hardware and software problems utilizing hardware and software testing tools and techniques. May provide network server support. May assist with installation of terminals and associated hardware. Requires knowledge of data scopes, patch panels, modems, concentrators, and associated terminals and network management software.

Documentation

Documentation Specialist – Senior

Description: Under general direction, is responsible for preparing and/or maintaining systems, programming, and operations documentation, procedures, and methods including user manuals and reference manuals. Maintains a current internal documentation library. Provides or coordinates special documentation services as required. Competent to work at the highest level of all phases of documentation. May act as project leader for large jobs.

Documentation Specialist – Intermediate

Description: Under general supervision, prepares and/or maintains systems, programming, and operations documentation, including user manuals. Maintains a

current internal documentation library. Competent to work on most phases of documentation.

Documentation Specialist –Associate

Description: Under direct supervision, prepares and/or maintains systems, programming and operations documentation, including user manuals. Maintains a current internal documentation library.

Technical Editor

Description: Responsible for content of technical documentation. Checks author's document for spelling, grammar and content problems (e.g., missing instructions or sections; redundant or unnecessary sections). Accuracy of content may fall under this position or the programmer, depending on the expertise of the editor. Ensures that documents follow the style laid out in the organization's style guide. May also be responsible for maintaining the style guide. Suggests revisions to the style guide as appropriate. Editor is often a technical writer who has moved to this position.

Graphics Specialist

Description: Responsible for graphics design and use, operation and setup of computer graphic systems for business communications. Executes graphic projects and assists in coordination of all graphic production scheduling; coordinates production support with outside contractors, as needed. Ensures that graphic projects are completed on time, within budget and to user's satisfaction. Interfaces with users to determine scope of project and best graphic medium. Trains other personnel in proper use of computer graphic equipment. Troubleshoots computer equipment problems and performs minor preventive maintenance.

Enterprise Resource Planning (ERP)/Business Process Development

ERP Business Analyst – Senior

Description: Under general direction, serves as senior subject matter expert associated with content, processes and procedures associated with ERP. Defines the detailed requirements, analyzes the business needs, and validates solutions with the client. Details requirements through the product development and other functions to support the project team. Monitors other business analysts in software development methods and processes and implementation of those methods. Evaluates development projects and assists in tailoring the development process to meet the project needs.

ERP Business Analyst – Intermediate

Description: Under general supervision, serves as subject matter expert associated with content, processes, and procedures associated with enterprise applications. Applies functional knowledge to design and customization of workflow systems that provide seamless integration for client/server applications. Writes functional requirements, develops test plans, and works with production issues.

ERP Business Analyst – Associate

Description: Under direct supervision, serves as subject matter expert associated with content, processes and procedures associated with enterprise applications. Applies functional knowledge to design and customization of workflow systems that provide seamless integration for client/server applications. Writes functional requirements, develops test plans and works with production issues.

Business Systems Analyst – Senior

Description: Under general direction, formulates and defines systems scope and objectives based on both user needs and a good understanding of applicable business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirement specifications. Guides and advises less experienced Business Systems Analysts. Competent to work at the highest technical level of most phases of systems analysis while considering the business implications of the application of technology to the current and future business environment.

Business Systems Analyst – Intermediate

Description: Under general supervision, formulates and defines systems scope and objectives through research and fact-finding combined with an understanding of applicable business systems and industry requirements. With this knowledge, develops or modifies moderately complex information systems. Includes analysis of business and user needs, documenting requirements, and revising existing system logic difficulties as necessary. Guides and advises less experienced Business Systems Analysts. Competent to work in some phases of systems analysis and considers the business implications of the application of technology to the current business environment.

Business Systems Analyst – Associate

Description: Under direct supervision, assists in formulating and defining systems scope and objectives through research and fact-finding combined with a basic understanding of business systems and industry requirements. Includes analysis of business and user needs, documenting requirements, and revising existing system logic difficulties as necessary under direction of experienced Business System Analysts. Competent to consider most business implications of the application of technology to the current business environment.

IS Training

Information Systems Training Manager

Description: Responsible for all activities associated with education programs for both the information technology and end-user/PC personnel. Advises on administrative policies and procedures, technical problems, priorities, and methods. Assigns personnel to the various training tasks and directs their activities, reviews and evaluates their work, conducts performance appraisals and makes decisions on personnel.

Information Systems Training Specialist – Senior

Description: Under general direction, organizes, prepares, and conducts complex training and educational programs for information systems or user personnel. May design and develop in-house programs. Maintains records of training activities, employee progress, and program effectiveness. Competent to work at the highest level of all phases of information systems training.

Information Systems Training Specialist – Intermediate

Description: Under general supervision, organizes and conducts moderately complex training and educational programs for information systems or user personnel. Maintains records of training activities, employee progress, and program effectiveness. Competent to work on most phases of information systems training.

Information Systems Training Specialist – Associate

Description: Under direct supervision, organizes and conducts basic training and educational programs for information systems or user personnel. Maintains record of training activities, employee progress, and program effectiveness.