



**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST**

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

**WORLDWIDE FEDERAL SUPPLY SCHEDULE CONTRACT
MULTIPLE AWARD SCHEDULE**

**CONTRACT NUMBER:
GS-35F-0581R**

**PERIOD COVERED BY CONTRACT:
May 18, 2005 through May 17, 2025**

**Vision Technologies, LLC
6704 CURTIS CT
GLEN BURNIE, MD 21060-6406
(P) 410-691-3109**

<http://www.visiontech.biz/>

Contractor's Administration Source:
Brian O'Donoghue
ZZ-GSAA-PO@visiontech.biz

General Services Administration
Management Services Center Acquisition Division
Modification #PA-0042, Dated 01/12/2023

Business Size:
Small Business
Service Disabled Veteran Owned Small Business

UEI: J6XHH3DPCVC6

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at <http://www.fss.gsa.gov>.

GSA AWARDED TERMS AND CONDITIONS

Vision Technologies, LLC

- 1a. **TABLE OF AWARDED SPECIAL ITEM NUMBERS (SINs)**
SIN 54151S: Information Technology (IT) Professional Services
SIN 33411: Purchasing of New Electronic Equipment
SIN 811212: Maintenance of Equipment, Repair Services and/or Repair/Spare Parts
ANCILLARY: Ancillary Supplies and Services
OLM: Order Level Materials (OLM)
- 1b. **LOWEST PRICED MODEL NUMBER AND PRICE FOR EACH SIN:** See attached GSAPricelist
- 1c. **HOURLY RATES (Services Only):** See attached GSA pricelist

2. **MAXIMUM ORDER*:**
SIN 54151S: \$500,000
SIN 33411: \$500,000
SIN 811212: \$500,000
ANCILLARY: \$250,000
OLM: \$250,000

*If the "best value" selection places your order over this Maximum Order identified in this catalog/pricelist, you have an opportunity to obtain a better schedule contract price. Before placing your order, contact the aforementioned contractor for a better price. The contractor may (1) offer a new price for this requirement; (2) offer the lowest price available under this contract; or (3) decline the order. A delivery order that exceeds the maximum order may be placed under the Schedule contract in accordance with FAR 8.404

3. **MINIMUM ORDER:** \$100
4. **GEOGRAPHIC COVERAGE:** 48 Contiguous States including Washington, DC, Alaska, Hawaii, and Puerto Rico
5. **POINT(S) OF PRODUCTION:** 6704 Curtis Ct, Glen Burnie, MD 21060-6406
6. **DISCOUNT FROM LIST PRICES:** Refer to the attached Pricelist
7. **QUANTITY DISCOUNT(S):** None
8. **PROMPT PAYMENT TERMS:** For SIN 33411: 2%, 5 days from receipt of invoice or date of acceptance
9. **FOREIGN ITEMS:** N/A

- 10a. **TIME OF DELIVERY:** The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below:

SIN 33411: 30 Days

SIN 54151S: To be Negotiated at the task order level

SIN 811212: To be Negotiated at the task order level

SIN ANCILLARY: To be Negotiated at the task order level

- 10b. **EXPEDITED DELIVERY:** To be negotiated at the task order level
- 10c. **OVERNIGHT AND 2-DAY DELIVERY:** To be negotiated at the task order level

- 10d. **URGENT REQUIREMENTS:** To be negotiated at the task order level
11. **FOB POINT:** Destination
- 12a. **ORDERING ADDRESS:**
Vision Technologies, LLC
6704 CURTIS CT
GLEN BURNIE, MD 21060-6406
(P) 410-691-3109
<http://www.visiontech.biz/>
Brian O'Donoghue
ZZ-GSAA-PO@visiontech.biz
- 12b. **ORDERING PROCEDURES:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in FAR 8.405-3
13. **PAYMENT ADDRESS:**
Vision Technologies, LLC
6704 CURTIS CT
GLEN BURNIE, MD 21060-6406
(P) 410-691-3109

<http://www.visiontech.biz/>
Brian O'Donoghue
ZZ-GSAA-PO@visiontech.biz
14. **WARRANTY PROVISION:** N/A
15. **EXPORT PACKING CHARGES:** N/A
16. **TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (if applicable):**N/A
17. **TERMS AND CONDITIONS OF INSTALLATION (IF APPLICABLE):** N/A
- 18a. **TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTSPRICELISTS AND ANY DISCOUNTS FROM LIST PRICES (IF AVAILABLE):**N/A
- 18b. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES (IF APPLICABLE):**N/A
19. **LIST OF SERVICE AND DISTRIBUTION POINTS(IFAPPLICABLE):**
Vision Technologies, LLC
6704 Curtis Ct
Glen Burnie, MD 21060-6406
Phone: 410.424.2183
20. **LIST OF PARTICIPATING DEALERS (IF APPLICABLE):** N/A
21. **PREVENTIVE MAINTENANCE (IF APPLICABLE):** N/A

- 22a. **SPECIAL ATTRIBUTES SUCH AS ENVIRONMENTAL ATTRIBUTES (e.g. recycled content, energy efficiency, and/or reduced pollutants):** N/A
- 22b. **Section 508 Compliance for EIT:** As applicable
- 23. **UEI:** J6XHH3DPCVC6
- 24. **NOTIFICATION REGARDING REGISTRATION IN SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE:** Contractor registered and active in SAM

54151S Labor Category Descriptions

Labor Category	Minimum Experience	Minimum Education	Functional Responsibility
Program Manager	15 years developing projects including business plans, strategies and management of costs and resources. This experience may also include determining requirements, developing operational plans, managing multitask, complex contracts, report development, generating proposals for improvements, consultation regarding other work products, and overseeing implementation efforts. Demonstrated expertise in negotiating, planning, evaluating, executing and managing complex projects.	Bachelor's degree or four (4) years of relevant experience.	Applies specialized expertise to assist clients identify management, organizational and business issues and develop strategic initiatives. Acts as single source of contact to the Contracting Officer (CO), the Contracting Officer's Representative (COR), Government Management personnel, customer representatives and other contracting organizations. Develops proposals and recommendations, detailed project/work plans, assigns resources, evaluates and reports progress. Ensures implementation as agreed. Provides leadership and direction to other project/work participants. Demonstrated Ability to work independently and develop/execute complex tasks. May serve as an outside, independent reviewer for recommendations and proposals.
Project Manager – Senior	10 Years of progressive experience which includes: managing, directing, and implementing information technology projects, demonstrated ability to provide technical direction for projects, proven expertise in management and control of funds and resources, and demonstrated capability in managing contracts. Must possess extensive knowledge of engineering and management concepts, procedures and practices. General experience includes increasing responsibilities in information systems design and management; management of a diverse group of functional activities, subordinate groups of technical and administrative personnel; and management and control of funds and resources, and demonstrated capability in managing complex, multi-task commercial and government contracts.	Bachelor's degree or four (4) years of relevant experience.	Serves as a technical manager, and the contractor's authorized technical interface with the COR, Government Personnel, and customer agency representatives. Responsive for providing technical and managerial leadership of major program in specialized area of technology and for overall task performance.
Site Manager	10 years of progressive and intensive experience managing,	Bachelor's degree from an	Responsible for activities for a Government site, facility or multiple locations. Identifies

	with at least two years of relevant experience in a position with duties commensurate to those defined in the task order requirement. Or five years specialized experience in a position with duties commensurate to those defined in the task order requirement.	accredited college or university.	changes in computer and systems technology and interprets their meaning to senior management, bringing current and future knowledge of technology and systems as applied to the client's requirements. Provides technical assistance to facilitate planning and directing the design, installation, modification and operation of an information systems capability. Prepares long and short range plans for application selection, systems development, systems maintenance, production activities and for necessary support resources. Also responsible for applications systems analysis and programming activities for a group or section. Responsible for feasibility studies, time and cost estimates, and the establishment and implementation of new and revised applications systems and programs. Assists in projecting software and hardware requirements. Assigns personnel to various projects and directs their activities; reviews and evaluates their work and prepares performance reports. Confers with and advises subordinates on administrative policies and procedures, technical problems, priorities and methods. Consults with personnel in other information systems sections to coordinate activities. Prepares activity and progress reports regarding the activities of the applications systems and programming section. Confers and consults with Government personnel regarding performance and scheduling issues on tasks.
Technical Documentation Specialist	This position requires a minimum of four (4) years of progressively responsible experience, of which at least two (2) years must be specialized experience developing, editing, and producing technical and graphic documentation for information or engineer technology systems. Must have a thorough understanding of computer processing, including commonly used information technology and engineer terminology and must possess good organizational skills, additional experience must be gained from a combination of	Associates degree Industry Specialization in English, journalism, literature or other related discipline.	Prepares technical documentation, which includes researching for applicable government and industry documentation pertaining to all aspects of information and general engineering. Demonstrated ability to work independently or under only general direction developing, editing, and producing technical and graphic documentation for information technology systems. Must have a basic understanding of computer processing, including commonly used information technology terminology. Assists in collecting and organizing information required for preparation of user's manuals, special reports, training materials, installation guides, proposals, and reports. Revises text and recommends changes in scope, format, and content to ensure conformance with

	education, training, or certification (arts diploma) that provides the requisite knowledge, skills, and abilities.		established standards. May edit, standardize, or make changes to material prepared by other writers. Duties include writing, editing, and graphics presentation of engineering and management information for both technical and non-technical personnel. Organizes material and completes writing assignments with regard to order, clarity, conciseness, style, and terminology. Interprets technical documentation standards and prepares documentation accordingly. Must possess strong organizational, communication, and presentation skills. Performs final quality assurance on all materials
Graphic Support Analyst	Two (2) years progressively responsible experience in graphics and 3-D animation activities related to presentations, pamphlets, videos, brochures, marketing, promotional materials, or related products which require the inclusion of charts, graphs, viewgraphs, 35mm slides, illustrations, artwork, solid images, line figures, photographs, sketches and pictures as part of the finished product. Must be knowledgeable, capable, and experienced in the use of commercial word processing software, graphics and animation software, and desktop publishing systems. Additional experience must be gained from a combination of education, training, or certification (technical diploma) that provides the requisite knowledge, skills, and abilities	Associates degree in graphics/fine arts is desired. Industry Graphics/fine arts, television arts, communications, and associated disciplines.	Performs artistic and technical work in design, illustration, and preparation of drawn, printed and photographed material for publication, professional renderings and animations for promotions and marketing, duplication, television broadcasting and other audio and visual presentations. Ensures compliance to Government and commercial graphics standards and with delivery schedules. Works with systems and design engineers, project and program managers. Develops and updates graphic presentations to improve the quality and enhance the usability of reports, plans, and presentation documents. Responsible for integrating graphics generated with automated tools within customer documents. Follows quality assurance processes and procedures.
Principal Consultant	15 Years of experience in providing expert advice, assisting guiding, counseling or managing others in support of technical management and initiatives and organizational and business improvement efforts. This experience may also include studies, analysis and reports documenting historical and current states, proposals for improvement, consultation regarding other work products, or overseeing implementation efforts. Demonstrated expertise in planning, evaluating, executing and coordinating large, complex projects.	Advanced Degree and fifteen (15) years of relevant experience	Applies a set of disciplines and expertise to assist clients identify management, organization and business issues and develop strategic initiatives. Proposals and recommendations are the result of study and analysis of current and desired states. Develops project/work plans, assigns and monitors other resources to ensure timely completion of work in a high quality manner. Periodically reports on project/work status. Ensures implementation as agreed. Provides leadership and direction to other project/work participants and services as a liaison with client personnel. May service as an outside, independent reviewer of recommendations and proposals. May act in the capacity of an advisor to the Chief Information Officer.

Consultant	<p>7 Years experience providing specialized advices, assistance, guidance, counseling, or work coordination in support of client management, organizational and business improvement projects. This experience may also include integration and implementation of projects across multiple entities. Demonstrated experience in planning, evaluating, performing and coordinating project work in subject matter expertise. Ability to analyze problems and issues, develop recommendations and provide direction to support staff.</p>	Bachelors degree or four (4) years of relevant experience	<p>Applies specialized expertise to resolve client's management, organization and business issues. Develops proposals and recommendations, detailed project/work, plans, evaluates and reports progress. Ensures integration and implementation as agreed. Demonstrated ability to work independently and develop/execute complex tasks.</p>
Subject Matter Expert	<p>The Subject Matter Expert – Senior is required to provide proven experience and expertise with depth and breadth of knowledge on a specific problem, task, or subject. Five years of task related experience in the identified field of study or specialization</p>	<p>PhD from an accredited college or university or a MS with qualifying experience in the specific subject matter discipline as identified in the statement of work.</p>	<p>The Subject Matter Expert – Senior is employed for a specific period or for a defined deliverable product which requires specialized technical or functional experience or skills. He/she applies subject matter expertise to resolve complex technical or functional problems. Provides extremely high level subject matter expertise for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems which require doctorate level knowledge of the subject matter for effective implementation. Participates as needed in all phases of development with emphasis on the planning, analysis, testing, integration, documentation, training and presentation phases. Applies principles, methods, and knowledge of specific functional areas of expertise to specific task order requirements. Provides advice on esoteric problems which require extensive knowledge of the subject matter. Designs and prepares technical reports, studies, and related documentation, makes charts and graphs to record results, prepares and delivers presentations, training, and briefings as required by the task order.</p>

Subject Matter Specialist	Three years of intensive and progressive experience in the individual's field of study and specialization	Bachelor's degree from an accredited college, university or comparable relevant experience.	Provides technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems which require graduate level knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation and presentation phases. Applies principles, methods and knowledge of the functional area of expertise 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 solutions. Designs and prepares technical reports, studies, and related documentation, makes charts and graphs to record results. Prepares and delivers presentations and briefings as required by the task order. Technical support includes technical advice on security requirements for highly specialized IT applications, technical report preparation or other services as required by the task order.
Network Administrator	Seven years of increasingly complex and progressive experience in implementing, administering, performing tests and analyzing all elements of network systems. Has experience with current technologies and, where required for the task, emerging technologies.	Bachelor's degree from an accredited college or university.	Provides system administration of Network, Web, and/or communication systems, including Local Area Network (LAN) and Wide Area Network (WAN) systems, involving network security. This includes administration of user accounts, passwords, email, chat, and FTP. Requires comprehensive knowledge of the organization's hardware, software and network components. Maintains servers, creates monitoring reports and logs, and ensures functionality of links. Monitors web site for acceptable performance and user accessibility. Establishes back-ups and monitors site security. Consults with and advises network users. Coordinates network administration and performance requirements with others in the information systems function. Identifies, analyzes and documents long-range requirements and schedules resources related to the enterprise network. Responsible for configuration management and documentation of network and system topologies and/or web site. Prepares technical implementation plans that provide integrated solutions including actions, milestones, timelines and critical paths required for complete solutions. Researches applicable standards and requirements documents to assure compliance. Selects or

			recommends multi-user software that meets common user requirements, integrates (where possible) with existing software. Plans for and provides reasonable responsiveness in terms of system performance. Prepares activity and progress reports regarding the network performance. Administers large e-mail systems.
Helpdesk / Call Center Manager	The Help Desk Manager must have a minimum of seven (7) years general experience of which at least five (5) must be specialized. Specialized experience includes the management of help desks in a multi-server environment, a comprehensive knowledge of PC operating systems, and knowledge of networking and electronic mail.	Bachelor's degree in computer science, information systems, engineering, business, or other related discipline.	The Help Desk Manager provides telephone and in-person support to users in the areas of electronic mail, directories, and standard Windows desktop applications and manages help desks in a multi-server environment.
Helpdesk / Call Center Supervisor	A minimum of five (5) years experience of which at least two (2) must be specialized. Specialized experience includes help desk experience, knowledge of personal computer operating systems, and environments, or equivalent experience in a specific customer's environment (e.g., UNIX, mainframe systems, as applicable). Knowledge of applications that support major business systems running on clients, servers, and workstations is also required.	Associate's degree in Computer Science, or equivalent.	Provides telephone and in-person support to users in the areas of electronic mail, directories, and client/server, and workstation-based COTS and business systems. He/she acts as senior-level troubleshooter to resolve problems that cannot be resolved by the first help desk tier. The Supervisor directs and advises junior help desk specialists in problem resolution; evaluates, tests, installs, and modifies stand-alone, networked, and workstations systems and applications; and evaluates and tests vendorsupplied applications to determine their compatibility with existing systems and other software, ease of use, maintenance, and suitability for the client organization's overall needs, mission, and requirements. He/she consults with users to define optimal hardware and software configurations; interacts with other functional areas such as network services, systems engineering, and applications development to identify and solve user problems and to restore service; prepares reports on type and frequency of user problems and analyzes them to recommend changes to reduce user problems; prepares reports on problem resolution response time, and recommends changes to the help desk process to improve response times.
Helpdesk / Call Center Operator	A minimum of three (3) years general experience of which at least one (1) must be specialized. Specialized experience includes direct help desk experience, knowledge of PC operation systems, and knowledge of networking and electronic mail.	Associate's degree or equivalent experience	The Help Desk Specialist provides telephone and in-person support to users in the areas of electronic mail, system login, and standard Windows desktop applications.

Systems Engineer Senior	Ten (10) years experience in information network design and architecture, systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. Of the ten years experience, a minimum of seven years of experience must involve the design and implementation of large scale, legacy, networked client/server or distributed systems. Demonstrated experience communicating directions and providing guidance to lower level professionals.	Bachelors degree or four (4) years of relevant experience	Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems. Develops or makes enhancements to existing systems to improve business methods consistent with organization-wide initiatives. Includes architectural planning, participates in new technology analysis, tradeoff studies, test planning and design analysis. Provides daily supervision and directions to staff
Systems Engineer	Five (5) years experience in information systems development, network design and architecture, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation. Of the five years experience, a minimum of three years of experience must involve the design and implementation of large scale, legacy, networked client/server or distributed systems.	Bachelors degree or four (4) years of relevant experience	Develops and applies organization-wide information models for use in designing and building integrated, shared software and database management systems. Develops or makes enhancements to existing systems to improve business methods consistent with organization-wide initiatives. Includes architectural planning, participates in new technology analysis, tradeoff studies, test planning and design analysis.
Principal Computer Systems Analyst	Ten (10) years experience which includes analysis and design of complex information systems, knowledge of data base management systems, knowledge of programming, knowledge of current storage and retrieval methods, and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Must be capable of conversing with technical and managerial personnel to determine applicable programs, agency plans, and other factors affecting systems design requirements. Prepares specifications, work statements and proposals. Possesses ability to work independently	Bachelors degree or four (4) years of relevant experience, Additional experience must be gained from a combination of education, training, or certification (technical diploma) that provides the requisite knowledge, skills, and abilities	Leads tasks related to the development of complex computer systems. Responsible for the development and management of program plans. Supervises systems analysis, systems design, programming, and testing. Provides technical and administrative direction for personnel performing software development tasks, and reviews work products for correctness, adherence to the design concept and to user standards, and progress in accordance with schedules. Prepares status reports and presentations on task performance to customers. Provides daily supervision and direction to support staff. Prepares and delivers presentations on data base management systems concepts. Provides daily supervision and direction to support staff.

	or under only general direction on complex application problems involving all phases of systems analysis is required.		
Computer Systems Analyst Senior	Eight (8) years experience which includes analysis and design of complex information systems, knowledge of data base management systems, knowledge of programming, knowledge of current storage and retrieval methods, and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Must be capable of conversing with technical and managerial personnel to determine applicable programs, agency plans, and other factors affecting systems design requirements. Possesses ability to work independently or under only general direction on complex application problems involving all phases of systems analysis is required.	Bachelors degree or four (4) years of relevant experience	Leads tasks related to the development of complex computer systems. Responsible for the development and management of program plans. Supervises systems analysis, systems design, programming, and testing. Provides technical and administrative direction for personnel performing software development tasks, and reviews work products for correctness, adherence to the design concept and to user standards, and progress in accordance with schedules. Prepares status reports and presentations on task performance to customers. Provides daily supervision and direction to support staff. Prepares and delivers presentations on data base management systems concepts. Provides daily supervision and direction to support staff.
Computer Systems Analyst	Six (6) years experience which includes analysis and design of complex information systems, knowledge of data base management systems, knowledge of programming, knowledge of current storage and retrieval methods, and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Must be	Bachelors degree or four (4) years of relevant experience	Leads tasks related to the development of complex computer systems. Responsible for the development and management of program plans. Supervises systems analysis, systems design, programming, and testing. Provides technical and administrative direction for personnel performing software development tasks, and reviews work products for correctness, adherence to the design concept and to user standards, and progress in accordance with schedules. Prepares status reports and presentations on task performance to customers. Provides daily supervision and direction to support staff. Prepares and delivers presentations on data base management systems concepts. Provides daily supervision and direction to support staff.

	capable of conversing with technical and managerial personnel to determine applicable programs, agency plans, and other factors affecting systems design requirements. Possesses ability to work independently or under only general direction on complex application problems involving all phases of systems analysis is required.		
Computer Systems Analyst Junior	Two (2) years experience which includes analysis and design of complex information systems, knowledge of data base management systems, knowledge of programming, knowledge of current storage and retrieval methods, and demonstrated ability to formulate specifications for computer programmers to use in coding, testing, and debugging of computer programs. General experience includes increasing responsibilities in assignments of a technical nature. Possesses ability to work independently or under only general direction on complex application problems involving all phases of systems analysis is required.	Bachelors degree or four (4) years of relevant experience	Leads tasks related to the development of complex computer systems. Responsible for the development and management of program plans. Supervises systems analysis, systems design, programming, and testing. Provides technical and administrative direction for personnel performing software development tasks, and reviews work products for correctness, adherence to the design concept and to user standards, and progress in accordance with schedules. Prepares status reports and presentations on task performance to customers. Provides daily supervision and direction to support staff. Prepares and delivers presentations on data base management systems concepts. Provides daily supervision and direction to support staff.
Programmer Analyst	Two (2) to four (4) years of experience depending on formal education. Designs, codes and documents portions of applications programs for large scale electronic computers and associated equipment appropriate to scientific systems, or commercial projects. Individual holding this position works under close supervision and direction. May provide work direction to one or more lower level employees on a project. Detailed problem specifications are presented to him/her; however, incumbent is expected to show judgment and initiative in performing assigned tasks. Individual normally receives assignments requiring a limited amount of experience and must keep	Associates degree and two (2) years of experience or four (4) years of relevant experience in an associated discipline.	Must be able to perform technical work of professional level using standard programming methods and techniques. Develops detailed flowcharts and associated documentation for assigned areas from general program statements. Capable of using detailed, coding level flowcharts and associated prose, codes assigned segments of a program using machine and/or other programming languages. Ability to develop test data and routines. Tests all code personally produced, and assists in the testing of the total program. Documents procedures used in standardized terminology. Capable of maintaining files and records of some or all operational data received. Ability to provide theoretical analysis where project requires it to assist in coming to a practical solution of problems and eliminating unnecessary "trial and error" solutions.

	<p>supervisor and other personnel related to his/her work advised of progress on assignments. Particular emphasis on technical training and professional development. Continual communication with other operating areas concerned with assignments is required.</p>		
Computer Programmer Senior	<p>Eight (8) years experience. Experience includes: demonstrated experience with third and fourth generation programming languages, experience with object-oriented programming, ability to develop complex software to satisfy design objectives, and experience developing software for data base management systems. General experience includes knowledge of Internet working, client/server environments, and demonstrated experience supervising software development projects.</p>	Bachelors degree	<p>Supervises software development projects. Develops logic flow charts and pseudo-code. Translates software specifications into software applications. Tests, debugs, and refines software to produce the required product. Prepares required documentation, including both program-level and userlevel documentation. Enhances software to reduce operating time or improve efficiency. Provides daily supervision to staff members. Oversees computer programmers and reviews their work to create or maintain operating systems, communications software, data base management systems, compilers, assemblers, and utility programs. Modifies existing software as well as creates special-purpose software to ensure efficiency and integrity between systems and applications. Provides supervision to staff members.</p>
Computer Programmer	<p>Six (6) years experience which includes experience as an applications programmer on data base management systems, knowledge of computer equipment and ability to perform computer programming in order to develop complex software to satisfy design objectives. Demonstrated ability to work independently or under only general direction.</p>	Bachelors degree	<p>Analyzes functional business applications and design specifications for functional activities. Develops block diagrams and logic flowcharts. Translates detailed design into computer software. Tests, debugs and refines computer software to produce the required product. Prepares required documentation, including both program and user-level documentation. Enhances software to reduce operating time or improve efficiency. Provides technical direction to programmers to ensure program deadlines are met.</p>

Computer Programmer Junior	Assists in the design, coding, and documentation portions of applications programs for electronic computers and associated equipment for scientific systems or commercial projects. Individual holding this position works under very close supervision. Contributes to complex problem solving and may direct the work of one or more lower level nonprofessional personnel on routine projects.	15 quarter hours in an associated discipline or one year experience.	Works with programmers, engineers, scientists, or documentation specialists, using technical tools and techniques appropriate to the discipline. May be responsible for analysis, statistical interpretation, and write-up of research data. May be involved in analysis, formatting, writing, and editing of technical documentation. Codes programs and program segments, using detailed coding level flow charts and associated prose. May analyze flow charts for adherence to systems specifications or other guidelines. May work with technical/administrative details including operational records, reports and files.
Configuration Management Specialist	Minimum of three years' overall experience. Should have some team leading or other management experience. Should have experience in configuration management, programming, and systems administration. Experience writing Software CM procedures and standards. Database and QA experience helpful. Should have good interpersonal skills, teamwork and communication skills	Bachelors degree and six (6) years experience	Designs, develops and establishes configuration and data management documents based on program requirements. Responsible for establishing configuration identification, functional, allocated and product baselines, configuration control, status accounting, and physical configuration audits, configuration management procedures and techniques, utilization, processing and technical documentation. Analyzes proposed product design changes to determine the effect on overall system. Conducts formal and informal reviews at pre-determined points throughout the development life cycle to ensure quality control. Implements directives and schedules necessary to ensure effective system management.
Database Engineer Senior	Seven years of increasingly complex and progressive experience in performing systems analysis, development, and implementation of business, mathematical, or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.	Bachelor's degree from an accredited college or university with a curriculum or major field of study.	Performs one or more of the following tasks in support of computer database administration: architects, designs, oversee the development of, or administers computerized databases, installs the applicable databases onto the appropriate computer operating systems, creates databases, configure databases (for a data warehousing application), use import utilities to install databases. Includes creation of Indexes, Clusters, Snapshots, Views, and other database objects, as well as, management of Rollback Segments, Data File Size, and all the other aspects related to the performance tuning of databases. Write code for update queries, update data dictionaries as new fields are added to the database, and maintain a data correction log. Create and maintain data correction logs that identify the date the correction that was performed, tables and fields effected, submission effected, error code effected, and other pertinent metadata. Expand and update the data dictionary for the database and any related applications. May, assign personnel to various projects and directs their activities; reviews and evaluates their work and

			prepares performance reports. Confers with and advises subordinates on administrative policies and procedures, technical problems, priorities and methods. Consults with and advises users of the various databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Prepares activity and progress reports regarding the database management section.
Database Engineer	Five years of increasingly complex and progressive experience in performing systems analysis, development, and implementation of business, mathematical, or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.	Bachelor's degree from an accredited college or university with a curriculum or major field of study.	Designs, implements and maintains complex databases. Includes maintenance of database dictionaries, overall monitoring of standards and procedures, and integration of systems through database design. Works at the highest level of all phases of database management
Database Engineer Junior	Two years of increasingly complex and progressive experience in performing systems analysis, development, and implementation of business, mathematical, or scientific settings using a variety of information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.	Bachelor's degree from an accredited college or university.	Designs, implements, and maintains moderately complex databases. Includes maintenance of database dictionaries and integration of systems through database design. Works on most phases of database administration.
Database Analyst	Five years of increasingly complex and progressive experience in performing systems analysis and implementation of database applications, business, mathematical, or scientific support using a variety of data related information technology resources. Has experience with current technologies and, where required for the task, emerging technologies.	Bachelor's degree from an accredited college, university, or equivalent experience with a curriculum or major field of study	Formulates and defines system scope and objectives for assigned projects. Prepares detailed specifications for data support. Responsible for functional design, testing, and roll-out. Has full technical knowledge and responsibility of all phases of user interface analysis and implementation. Understands the business or function for which application is designed. Duties also include instructing, directing and checking the work of other systems analysts and development personnel. Responsible for quality assurance review

Internet Engineer Senior	Minimum 6-10 years general experience of which at least four (4) years must be specialized internet experience.	Bachelor's Degree or equivalent	Provides support in architectural design of large-scale, Internet-based enterprise systems. Prepares and reviews implementation plans leveraging Internet-based technologies such as .NET, J2EE, Web Services and PKI/SSL. Possesses working knowledge of Web hosting infrastructure and key Web hosting components such as Web Servers, middleware servers, load balancers, firewalls (DMZ), and Internet protocols (HTTP, TCP, FTP, DNS). Identifies and designs software tools and subsystems to support software development, test and reuse, and manages their implementation. Prepares and conducts codes reviews and system acceptance criteria development. Applies accepted design techniques and CASE tools. Supervises software configuration management and version control. Provide technical direction and guidance to Internet engineers involved modifications, development or migration of Internet-based systems. Task lead or supervisor of intermediate, junior and/or entry level internet engineers.
Internet Engineer	IT related discipline with minimum 3-6 years general experience of which at least two (2) years must be specialized internet experience.	Bachelor's Degree or equivalent	Provides support in architectural design of moderately complex Internetbased enterprise systems. Familiar with Web hosting infrastructure and key Web hosting components such as Web Servers, middleware servers, load balancers, firewalls, and Internet protocols (HTTP, TCP, FTP, DNS). Independently implements Web components, such as user interfaces, data access objects and business logics by analyzing functional specifications and interpreting system design specifications. Prepares and reviews user manuals, maintenance guides, training materials, and installation guides. Conducts system/subsystem tests, and prepares test results documents. Troubleshoots and analyzes systems anomalies, and recommends corrective actions. Ensures that implementation is in compliance with requirements and design specifications. Require minimal supervision.
Internet Engineer Junior	IT related discipline with three (3) years or less in general Internet experience.	Bachelor's Degree or equivalent	Familiar with Web hosting infrastructure and key Web hosting components such as Web Servers, middleware servers, load balancers, firewalls, and Internet protocols (HTTP, TCP, FTP, DNS). Assists in implementation of Web components, such as user interfaces, data access objects and business logics. Contributes to preparation and reviews of user manuals, maintenance guides, training materials, and installation guides. Assists in system/subsystem tests, and validates user interfaces functionality. Require direct supervision.

Information Assurance Specialist Senior	This position requires a minimum of seven years' experience.	Bachelor's degree from an accredited college or university in electrical, electronic or computer engineering; computer science; or a related field.	Provides customer support in solving all phases of complex information assurance-related technical problems. Reviews and recommends information assurance solutions to customer problems based on an understanding of products/systems test results. Conducts systems security analysis and implementation, system engineering, electrical design, design assurance, testing, software engineering, program design, configuration management, integration and testing of information assurance products and techniques. Solutions are based on a firm understanding of government/industry policy, practices, procedures, customer requirements, and emerging security technologies and future trends in support of information system and network security. Insures that information assurance solutions are fully compatible with or engineered into the customer's network design. Provides work direction and guidance to other personnel; ensures accuracy of the work of other personnel, operates under deadlines and able to work on multiple tasks
Information Assurance Specialist	This position requires a minimum of five years task related experience.	Bachelor's degree from an accredited college or university in electrical, electronic or computer engineering, computer science, or a related field.	Provides customer support in solving phases of complex Information assurance-related technical problems. Reviews and recommends information assurance solutions to customer problems based on an understanding of products/systems test results. Conducts systems security analysis and implementation, system engineering, electrical design, design assurance, testing, software engineering, program design, configuration management, integration and testing of information assurance products and techniques. Solutions are based on a firm understanding of government/industry policy, practices, procedures, customer requirements, and emerging security technologies and future trends in support of information system and network security. Provides work direction and guidance to other personnel; ensures accuracy of the work of other personnel, operates under deadlines and able to work on multiple tasks.

Information Assurance Specialist Junior	This position requires a minimum of two years task related experience.	Bachelor's degree from an accredited college or university in electrical, electronic or computer engineering, computer science, or a related field.	Provides customer support in solving low-level information assurance related technical problems. Conducts systems security analysis and implementation, testing, configuration management, and testing of information assurance products and techniques. Solutions are based on a firm understanding of government/industry policy, practices, procedures, customer requirements, and emerging security technologies and future trends in support of information system and network security.
Training Specialist	Two years intensive or progressive experience in the individual's field of study or specialization. Master's degree may be substituted for experience requirement.	Bachelor's degree from an accredited college or university with a curriculum or major field of study which provides substantial knowledge relevant to the task order.	Develops, implements, and maintains training scenarios, approaches, objectives, plans, tools, aids, curriculums, and other state of the art technologies related to 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. Utilizes various iterative process improvement and best methodologies in applied psychology, psychometrics, educational measurement, and other related disciplines. Develops and maintains knowledge bases, conduct applied and advanced research methodologies, develop tests, surveys, training materials, data collection measures, statistical and other analysis, and identify, conceptualize and secure new research and development areas.
Senior-Level Network Architect	15 or more years related experience	Bachelors/Masters degree typical substitution for education requirement: 4 years related experience substitutes for Associates degree; 8 years related experience substitutes for Bachelors degree; 12 years related experience substitutes for a Masters degree	Provides visionary conceptual direction to technologies and network based solutions. Provides assistance to enhance the alignment of the Information Technology strategy with the business strategy. Develops network topology, demonstrates value of design and leads the charge through deployment with Executive presentations and multiple design reviews. Assists with procurement and implementation stages of deployment. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Responsible for the local and wide area network systems to include planning, designing, evaluating, and selecting operating systems and protocol suites. Develops documentation and may conduct testing of network/computer products. Maintains currency in new developments and technology. May act as a technical project lead or provide work leadership for lower level employees.

Network Architect III	10 or more years related experience	Bachelors/Masters degree typical substitution for education requirement: 4 years related experience substitutes for Associates degree; 8 years related experience substitutes for Bachelors degree; 12 years related experience substitutes for a Masters degree	Provides visionary conceptual direction to technologies and network based solutions. Provides assistance to enhance the alignment of the Information Technology strategy with the business strategy. Develops network topology, demonstrates value of design and leads the charge through deployment with Executive presentations and multiple design reviews. Assists with procurement and implementation stages of deployment. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Responsible for the local and wide area network systems to include planning, designing, evaluating, and selecting operating systems and protocol suites. Develops documentation and may conduct testing of network/computer products. Maintains currency in new developments and technology. May act as a technical project lead or provide work leadership for lower level employees.
Network Architect II	8 or more years related experience	Bachelors degree typical substitution for education requirement: 4 years related experience substitutes for Associates degree; 8 years related experience substitutes for Bachelors degree	Provides visionary conceptual direction to technologies and network based solutions. Provides assistance to enhance the alignment of the Information Technology strategy with the business strategy. Develops network topology, demonstrates value of design and leads the charge through deployment with Executive presentations and multiple design reviews. Assists with procurement and implementation stages of deployment. Evaluates expectations for and capabilities of the information management organization and makes recommendations to improve service. Responsible for the local and wide area network systems to include planning, designing, evaluating, and selecting operating systems and protocol suites. Develops documentation and may conduct testing of network/computer products. Maintains currency in new developments and technology. May act as a technical project lead or provide work leadership for lower level employees.

Network Architect I	5 or more years related experience	Generally requires a Bachelors degree typical substitution for education requirement: 4 years related experience substitutes for Associates degree; 8 years related experience substitutes for Bachelors degree	Evaluates network equipment to identify, assess and develop detailed requirements for upgrading existing network; as well as re-architecting network segments in order to facilitate new requirements, technologies and growth. Responsible for understanding customer requirements on system performance, IT policies, and application requirements on business logic modules, data flows, and business processes. Translates customer requirements into conceptual and detailed architecture design documents that fully specify the overall system architecture, its constituent components, and technology selections and performance. Interacts with implementation teams, project management, and customers. Responsible for performance tuning of database loading, database transactions, and data exchanges between distributed software modules, and designing inter-working schemes with legacy systems for data exchange and synchronization. Performs Technical Insertions (TIs) for newer technology components and platforms.
Junior Network Architect	4 or more years related experience	Generally requires a Bachelors degree typical substitution for education requirement: 4 years related experience substitutes for Associates degree; 8 years related experience substitutes for Bachelors degree	Evaluates network equipment to identify, assess and develop detailed requirements for upgrading existing network; as well as re-architecting network segments in order to facilitate new requirements, technologies and growth. Responsible for understanding customer requirements on system performance, IT policies, and application requirements on business logic modules, data flows, and business processes. Translates customer requirements into conceptual and detailed architecture design documents that fully specify the overall system architecture, its constituent components, and technology selections and performance. Interacts with implementation teams, project management, and customers. Responsible for performance tuning of database loading, database transactions, and data exchanges between distributed software modules, and designing inter-working schemes with legacy systems for data exchange and synchronization. Performs Technical Insertions (TIs) for newer technology components and platforms.

ANCILLARY Labor Category Descriptions

Administrative Assistant	Two years of general experience in office automation developing, writing, proofreading, editing reports, proposal and documents in support of IT operations.	High school graduate or equivalent and or vocational training. Industry General administrative typing, word processing, graphics, technical publication equipment.	Responsible for developing, drafting, writing and editing reports, briefs, proposals, and other documents in support of a client's requirements. Interfaces with 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. Must be capable of working independently. Must be able to communicate orally and in writing with all levels of an organization as required. Minimum Experience: Two years of general experience in office automation developing, writing, proofreading, editing reports, proposal and documents in support of IT operations.
Logistics Specialist Junior	This position requires a minimum of one year experience. Experience in logistics support functions and their automated support systems, involving logistics data, facilities support, supply support and warehousing. General experience includes general logistics warehousing functions and documentation.	High school graduate or equivalent and applicable functional area certification or two years undergraduate education.	Prepares logistics support documentation and source data, such as user documents.. Applies logistics principles and methods to specialized logistics solutions. Performs logistics database input functions. Performs logistics inventories and related logistics functions.
Lead Installation Technician	3 years of experience working with infrastructure for information technology systems, data networking, and/or telecommunication circuits.	High School Diploma	Establishes and leads working teams of technicians. Assumes full responsibility for running small projects as required. Performs proper installation of copper and fiber cabling infrastructure without supervision. Works with all departments to assure that the level of customer service provided meets or exceeds expectations. Reads and understands floor plans without assistance. Works with other lead technicians and project managers in training entry level technicians on proper infrastructure installation techniques.
<u>Project Leader</u>	5 years of progressive experience managing, with at least 2 years of relevant experience in a position with duties commensurate to those defined in the task order requirement. Or 5 years specialized experience in a position with duties commensurate to those defined in the task order requirement.	High School Diploma	Responsible for managing network infrastructure installation projects. Assumes total project ownership from receipt of complete engineering work package to delivery of project completion and final documentation. Has the ability to deliver small, medium, and large projects at or below specified budgets. Develops and adheres to schedules for project implementation. Supervises technicians and lead technicians and provides on-the-job training when required. Provides regular feedback on the performance of these technicians and lead technicians. Demonstrates ability to teach and mentor assigned staff. Controls and tracks all materials required for the project.

Logistics Specialist	This position requires a minimum of three years experience. Experience in various logistics support functions and their automated support systems, involving maintenance, personnel, training, equipment, test equipment, technical and logistics data, facilities support, supply support and warehousing. Specialized experience includes knowledge of logistics principles and procedures, documentation and automated logistics applications. General experience includes general logistics warehousing functions and documentation.	High school graduate or equivalent and applicable functional area certification or two years undergraduate education.	Prepares logistics support documentation and source data, such as operational and user documents, logistics support summaries, and logistics implementation plans. Implements logistics plans, databases, and support files for new and existing information systems. Applies logistics principles and methods to specialized logistics solutions. Performs logistics database management functions. Performs logistics inventories and related logistics functions. Works independently.
Telecommunications Provisioner	One year experience creating customer access services requests (ASR), tracking orders, reviewing and maintaining relationships in a telecommunications environment. Knowledge of Local Exchange Carriers (LEC) and Competitive Local Exchange Carriers (CLEC) and terms including 5ESS, DSO, DS3, DSX, OC systems and cross connects. Knowledge of provisioning software applications.	High School Diploma	Creates and processes access service requests (ASR). Coordinates and monitors order progress with Local Exchange Carriers (LEC), Competitive Local Exchange Carriers (CLEC) and other service providers. Designs and provisions simple and complex orders for the delivery of dialtone services. Processes orders using MetaSolv TBS. Coordinates installation activates with operations, LEC's, CLEC's and vendors. Demonstrated ability to meet deadlines and handle multiple projects.
Registered Communications Distribution Designer (RCDD)	5 years of experience with ICT design. Knowledgeable in all aspects of voice/data/fiber design, including site surveys, user needs analysis, work print creation, project specifications, RFP creation and pre-project coordination.	High School Diploma as well as a current designation as a BICSI RCDD	Responsible for design and installation of communications distribution infrastructure such as copper cable, fiber optic cable, wireless, and telephone facilities. Gathers requirements and builds designs for Information and Communications Technology (ICT) applications, including voice and data. Develops work prints, project specifications, and assumptions as required. Manages expectations of internal and external customers and keeps them informed.

Desktop Technician	Two years of increasingly complex and progressive experience in computer system/network and desktop support.	High school graduate or equivalent.	Responds to hardware, software, and network problems utilizing hardware and software testing tools and techniques. Interfaces with vendor support service groups to ensure appropriate notification during outages or period of degraded system performance. Assists with installation of terminals and associated hardware. In support of microcomputer applications, analyzes requirements; creates, designs and develops requirements in required media; provides program support; tests, debugs and writes documentation as required. May have responsibilities for providing customer assistance support in setting up microcomputers and/or installing software packages. Provides user training for hardware/software products; identifies problems and resolves hardware / software / network malfunctions; performs minor hardware/software/network maintenance such as board replacement, cable switching, communication assistance, hardware (CRTs, printers) installation/replacement; interfaces with mainframe, CAD/CAM, digitizers, LANs, Networks, provides analysis support for such requirements.
Network Technician	Three years of increasingly complex and progressive experience in computer system/network engineering. Includes one years of specialized experience related to the task.	High school graduate or equivalent.	Monitors and responds to complex hardware, software and network problems utilizing a variety of hardware and software testing tools and techniques. Provides primary interface with vendor support service groups or provides internal analysis and support to ensure appropriate notification during outages or period of degraded system performance. Provides LAN server support. Requires extensive knowledge of PC/LAN communications hardware and software in multi-protocol environment, and network management and security software. May function as task lead providing guidance and training for less experienced technicians
Logistics Specialist Senior	This position requires a minimum of five years experience, of which at least one year must be specialized. Experience in various logistics support functions and their automated support systems, involving maintenance planning, personnel planning, training, support equipment, test equipment, technical and logistics data, facilities support, supply support and warehousing. Specialized experience includes knowledge of logistics management principles and	High school graduate or equivalent and applicable functional area certification or two years undergraduate education.	Prepares logistics support documentation and source data, such as logistics operational management/user documents, integrated logistics support plans, user logistics support summaries, post-production support plans, and logistics implementation plans. Implements logistics plans, databases, and support files to support the fielding of new complex information systems or major modifications. Applies logistics principles and methods to specialized logistics solutions. Performs logistics database management functions. Performs logistics inventories and related logistics functions. Works independently and leads the

	procedures, logistics documentation and automated logistics applications. General experience includes general logistics warehousing functions and documentation.		implementation of logistics discipline.
Systems Technician	Five years of intensive and progressive experience in functional or IT analysis/programming of subject matter closely related to the work to be automated.	High School Diploma	Provides high level functional and IT analysis, design, development, integration, documentation, and implementation assistance on problems which require a thorough knowledge of the related technical subject matter for effective system deployment. Participates in all phases of systems development. Applies principles and methods of the functional area to difficult problems in technical areas to arrive at automated solutions. Designs and prepares technical reports and related documentation, and makes charts and graphs to record results. Prepares and delivers presentations and briefings as required by the task order.
Telecommunications Circuit Designer	Three Years experience working with analog, digital, voice, frame relay and T -1 circuits, switching, and transmission equipment, and associated software. Ability to analyze requirements, design and test circuits based upon needs.	High School Diploma	Analyze needs, design and test the complete telecommunications circuit path and connections including loop acceptance, breaking connections for disconnects and cross connects. Knowledge of one or more of the following circuit levels DS0, DS1, DS3, STS1, OC3 and OC12. Familiarity with circuit design, test and connection software. Ability to track and report circuit orders and deliver completed circuit design according to schedule. Ability to communicate and interact with Provisioners, Test Engineers, and Installers.

GSA Awarded Pricing: SIN 54151S

LABOR CATEGORY	UNIT OF ISSUE	GSA PRICE (INCLUDING IFF)
Computer Systems Analyst Junior	Hour	\$62.70
Database Analyst	Hour	\$62.70
Graphic Support Analyst	Hour	\$64.60
Technical Documentation Specialist	Hour	\$45.98
Helpdesk / Call Center Operator	Hour	\$66.22
Computer Systems Analyst	Hour	\$72.68
Helpdesk / Call Center Supervisor	Hour	\$76.71
Computer Programmer Junior	Hour	\$76.71
Database Engineer Junior	Hour	\$80.75
Internet Engineer Junior	Hour	\$80.75
Information Assurance Specialist Junior	Hour	\$80.75
Network Administrator	Hour	\$92.86
Helpdesk / Call Center Manager	Hour	\$92.86
Computer Systems Analyst Senior	Hour	\$92.86
Programmer Analyst	Hour	\$92.86
Computer Programmer	Hour	\$92.86
Training Specialist	Hour	\$92.86
Database Engineer	Hour	\$100.94
Internet Engineer	Hour	\$104.98
Information Assurance Specialist	Hour	\$113.05
Principal Computer Systems Analyst	Hour	\$117.09
Site Manager	Hour	\$121.13
Subject Matter Specialist	Hour	\$121.13
Systems Engineer	Hour	\$121.13
Computer Programmer Senior	Hour	\$121.13
Configuration Management Specialist	Hour	\$121.13
Database Engineer Senior	Hour	\$121.13
Internet Engineer Senior	Hour	\$121.13
Information Assurance Specialist Senior	Hour	\$121.13
Subject Matter Expert	Hour	\$145.35

Systems Engineer Senior	Hour	\$145.35
Project Manager - Senior	Hour	\$146.97
Program Manager	Hour	\$157.46
Consultant	Hour	\$169.58
Principal Consultant	Hour	\$218.03
Senior Level Network Architect	Hour	\$201.96
Network Architect III	Hour	\$169.26
Network Architect II	Hour	\$150.33
Network Architect I	Hour	\$137.70
Junior Network Architect	Hour	\$106.72

GSA Awarded Pricing: SIN ANCILLARY

LABOR CATEGORY	UNIT OF ISSUE	GSA PRICE (INCLUDING IFF)
Administrative Assistant	Hour	\$35.11
Logistics Specialist Junior	Hour	\$45.98
Lead Installation Technician	Hour	\$46.55
Project Leader	Hour	\$51.73
Logistics Specialist	Hour	\$60.19
Telecommunications Provisioner	Hour	\$62.70
Registered Communications Distribution Designer (RCDD)	Hour	\$67.25
Desktop Technician	Hour	\$71.06
Network Technician	Hour	\$75.24
Logistics Specialist Senior	Hour	\$75.24
Systems Technician	Hour	\$76.71
Telecommunications Circuit Designer	Hour	\$100.94

GSA Awarded Pricing: SIN 811212

SERVICE	UNIT OF ISSUE	GSA PRICE (INCLUDING IFF)
Installation Technician	Hour	\$41.39
Technical Services Field Technician	Hour	\$62.08

GSA Awarded Pricing: SIN 33411

MANUFACTURER NAME	MANUFACTURER PART NO	PRODUCT NAME	UOI	GSA OFFER PRICE (inclusive of the .75% IFF)
Anixter	043302R51ZE002M	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-2 meter	Each	\$ 44.44
Anixter	043302R51ZN003M	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-3 meter	Each	\$ 45.09
Anixter	043302R51ZN005M	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-5 meter	Each	\$ 46.41
Anixter	043302R51ZE002M	Anixter Orange Keyed-LC to Non-Keyed LC Patchcord-2 meter	Each	\$ 44.44
Anixter	043302R51ZE003M	Anixter Orange Keyed-LC to Non-Keyed LC Patchcord-3 meter	Each	\$ 45.51
Anixter	043302R51ZE005M	Anixter Orange Keyed-LC to Non-Keyed LC Patchcord-5 meter	Each	\$ 46.41
Anixter	043302R51ZR002M	Anixter Red Keyed-LC to Non-Keyed LC Patchcord-2 meter	Each	\$ 44.44
Anixter	043302R51ZR003M	Anixter Red Keyed-LC to Non-Keyed LC Patchcord-3 meter	Each	\$ 45.09
Anixter	043302R51ZR005M	Anixter Red Keyed-LC to Non-Keyed LC Patchcord-5 meter	Each	\$ 46.41
Anixter	0404-A9560-003M	Anixter Blue Non-Keyed-LC to Non-Keyed LC Patchcord-Blue Jacket	Each	\$ 45.78
Anixter	043302R5BN003M	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-Blue Jacket	Each	\$ 46.32
Anixter	PCX6W03GSA	Anixter White Cat6 Cooper Patch Cable-3 feet	Each	\$ 6.51
Anixter	PCX6W05GSA	Anixter White Cat6 Cooper Patch Cable-5 feet	Each	\$ 7.14
Anixter	PCX6W07GSA	Anixter White Cat6 Cooper Patch Cable-7 feet	Each	\$ 8.42
Anixter	FEWL3LC42-JXM002	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-2 meter	Each	\$ 58.24
Anixter	FEWL3LC42-HXM003	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-3 meter	Each	\$ 59.29

Anixter	FEWL3LC42-JXM005	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-5 meter	Each	\$	61.38
Anixter	FEWL3LC42-HXM003	Anixter Blue Keyed-LC to Non-Keyed LC Patchcord-3 meter (Black Jacket)	Each	\$	59.29
Network outlets voice or data for moves, adds or changes. Outlets consist of cable, faceplate, jacks and slings for support where required. 110 blocks, Patch panels and patch cords are NOT included.					
Vision Technologies	1	Single Category 5e UTP Plenum cable drop	Each	\$	250.05
Vision Technologies	2	Dual Category 5e UTP Plenum cable drop	Each	\$	417.30
Vision Technologies	3	Triple Category 5e UTP Plenum cable drop	Each	\$	584.55
Vision Technologies	4	Quad Category 5e UTP Plenum cable drop	Each	\$	751.81
Vision Technologies	5	Single Category 6 UTP Plenum cable drop	Each	\$	291.86
Vision Technologies	6	Dual Category 6 UTP Plenum cable drop	Each	\$	500.93
Vision Technologies	7	Triple Category 6 UTP Plenum cable drop	Each	\$	710.83
Vision Technologies	8	Quad Category 6 UTP Plenum cable drop	Each	\$	919.06
Vision Technologies	9	Single Category 6A F/UTP Plenum cable drop	Each	\$	584.55
Vision Technologies	10	Dual Category 6A F/UTP Plenum cable drop	Each	\$	1,086.32
Vision Technologies	11	Triple Category 6A F/UTP Plenum cable drop	Each	\$	1,630.73
Vision Technologies	12	Quad Category 6A F/UTP Plenum cable drop	Each	\$	2,089.84
Network Outlet Bundle. Bundles support a variety of singles, duals, triples or quads. Total cables in a bundle solution can be 24 or 48. One (1) 24 or 48 port patch panel will be provided depending on bundle size. Outlets consist of cable, faceplate, jacks and slings for support where required. One (1) 10' station end patch cord per cable is included.					
Vision Technologies	13	24 port bundle Category 5e Plenum cables	Each	\$	5,351.30
Vision Technologies	14	48 port bundle Category 5e Plenum cables	Each	\$	10,034.43
Vision Technologies	15	24 port bundle Category 6 Plenum cables	Each	\$	6,354.83
Vision Technologies	16	48 port bundle Category 6 Plenum cables	Each	\$	12,125.11
Vision Technologies	17	24 port bundle Category 6A F/UTP Plenum cables	Each	\$	13,798.49

Vision Technologies	18	48 port bundle Category 6A F/UTP Plenum cables	Each	\$ 26,759.87
Station Fiber Outlet- Outlets consist of fiber, faceplate, faceplate fiber couplers, fiber connectors (LC, SC or ST) and slings for support where required, innerduct NOT included. TR Fiber enclosures and Patch cords are NOT included (sold separately in Additional Material section)				
Vision Technologies	19	2-strand Plenum 62.5/125 Multimode	Each	\$ 442.39
Vision Technologies	20	2-strand Plenum 50/125 Multimode	Each	\$ 668.18
Vision Technologies	21	2-strand Plenum 8/125 Singlemode	Each	\$ 417.30
Vision Technologies	22	4-strand Plenum 62.5/125 Multimode	Each	\$ 709.99
Vision Technologies	23	4-strand Plenum 50/125 Multimode	Each	\$ 1,169.94
Vision Technologies	24	4-strand Plenum 8/125 Singlemode	Each	\$ 668.18
Vision Technologies	25	6-strand Plenum 62.5/125 Multimode	Each	\$ 961.71
Vision Technologies	26	6-strand Plenum 50/125 Multimode	Each	\$ 1,002.69
Vision Technologies	27	6-strand Plenum 8/125 Singlemode	Each	\$ 1,002.69
Vision Technologies	28	12-strand Plenum 62.5/125 Multimode	Each	\$ 1,671.71
Vision Technologies	29	12-strand Plenum 50/125 Multimode	Each	\$ 2,507.98
Vision Technologies	30	12-strand Plenum 8/125 Singlemode	Each	\$ 1,588.08
Vision Technologies	31	24-strand Plenum 62.5/125 Multimode	Each	\$ 3,428.72
Vision Technologies	32	24-strand Plenum 50/125 Multimode	Each	\$ 4,598.66
Vision Technologies	33	24-strand Plenum 8/125 Singlemode	Each	\$ 3,093.37
Interior Fiber Backbone- Includes Fiber, connectors, enclosures, coupler panels to support the number of fibers. Assumes pathway is provided by others. (Innerduct if requested is sold separately)				
Vision Technologies	34	6 strand 62.5/125 MM Plenum (100ft)	Each	\$ 1,169.94
Vision Technologies	35	6 strand 50/125 MM Plenum (100ft)	Each	\$ 1,253.57
Vision Technologies	36	6 strand 8/125 SM Plenum (100ft)	Each	\$ 1,169.94

Vision Technologies	37	12 strand 62.5/125 MM Plenum (100ft)	Each	\$	1,671.71
Vision Technologies	38	12 strand 50/125 MM Plenum (100ft)	Each	\$	1,922.59
Vision Technologies	39	12 strand 8/125 SM Plenum (100ft)	Each	\$	1,671.71
Vision Technologies	40	24 strand 62.5/125 MM Plenum (100ft)	Each	\$	2,926.12
Vision Technologies	41	24 strand 50/125 MM Plenum (100ft)	Each	\$	3,260.62
Vision Technologies	42	24 strand 8/125 SM Plenum (100ft)	Each	\$	2,842.49
Vision Technologies	43	6 strand 62.5/125 MM Plenum (200ft)	Each	\$	1,420.83
Vision Technologies	44	6 strand 50/125 MM Plenum (200ft)	Each	\$	1,671.71
Vision Technologies	45	6 strand 8/125 SM Plenum (200ft)	Each	\$	1,337.20
Vision Technologies	46	12 strand 62.5/125 MM Plenum (200ft)	Each	\$	2,006.22
Vision Technologies	47	12 strand 50/125 MM Plenum (200ft)	Each	\$	2,507.98
Vision Technologies	48	12 strand 8/125 SM Plenum (200ft)	Each	\$	1,922.59
Vision Technologies	49	24 strand 62.5/125 MM Plenum (200ft)	Each	\$	3,511.51
Vision Technologies	50	24 strand 50/125 MM Plenum (200ft)	Each	\$	4,347.78
Vision Technologies	51	24 strand 8/125 SM Plenum (200ft)	Each	\$	3,177.00
Vision Technologies	52	6 strand 62.5/125 MM Plenum (300ft)	Each	\$	1,671.71
Vision Technologies	53	6 strand 50/125 MM Plenum (300ft)	Each	\$	2,006.22
Vision Technologies	54	6 strand 8/125 SM Plenum (300ft)	Each	\$	1,588.08
Vision Technologies	55	12 strand 62.5/125 MM Plenum (300ft)	Each	\$	2,340.73
Vision Technologies	56	12 strand 50/125 MM Plenum (300ft)	Each	\$	3,093.37
Vision Technologies	57	12 strand 8/125 SM Plenum (300ft)	Each	\$	2,173.47
Vision Technologies	58	24 strand 62.5/125 MM Plenum (300ft)	Each	\$	4,096.90

Vision Technologies	59	24 strand 50/125 MM Plenum (300ft)	Each	\$	5,184.05
Vision Technologies	60	24 strand 8/125 SM Plenum (300ft)	Each	\$	3,511.51
Vision Technologies	61	6 strand 62.5/125 MM Plenum (600ft)	Each	\$	2,340.73
Vision Technologies	62	6 strand 50/125 MM Plenum (600ft)	Each	\$	3,177.00
Vision Technologies	63	6 strand 8/125 SM Plenum (600ft)	Each	\$	2,173.47
Vision Technologies	64	12 strand 62.5/125 MM Plenum (600ft)	Each	\$	3,344.25
Vision Technologies	65	12 strand 50/125 MM Plenum (600ft)	Each	\$	4,765.91
Vision Technologies	66	12 strand 8/125 SM Plenum (600ft)	Each	\$	2,926.12
Vision Technologies	67	24 strand 62.5/125 MM Plenum (600ft)	Each	\$	5,769.44
Vision Technologies	68	24 strand 50/125 MM Plenum (600ft)	Each	\$	8,027.38
Vision Technologies	69	24 strand 8/125 SM Plenum (600ft)	Each	\$	5,016.80
Interior Copper Backbone terminated on 110 hardware on each end. Pathways provided by others.					
Vision Technologies	71	25 pair Category 3 Plenum (100ft)	Each	\$	542.74
Vision Technologies	72	50 pair Category 3 Plenum (100ft)	Each	\$	751.81
Vision Technologies	73	100 pair Category 3 Plenum (100ft)	Each	\$	1,253.57
Vision Technologies	74	200 pair Category 3 Plenum (100ft)	Each	\$	2,173.47
Vision Technologies	75	300 pair Category 3 Plenum (100ft)	Each	\$	3,093.37
Vision Technologies	76	25 pair Category 3 Plenum (200ft)	Each	\$	919.06
Vision Technologies	77	50 pair Category 3 Plenum (200ft)	Each	\$	1,253.57
Vision Technologies	78	100 pair Category 3 Plenum (200ft)	Each	\$	2,006.22
Vision Technologies	79	200 pair Category 3 Plenum (200ft)	Each	\$	3,511.51
Vision Technologies	80	300 pair Category 3 Plenum (200ft)	Each	\$	5,100.42

Vision Technologies	81	25 pair Category 3 Plenum (300ft)	Each	\$ 1,253.57
Vision Technologies	82	50 pair Category 3 Plenum (300ft)	Each	\$ 1,755.34
Vision Technologies	83	100 pair Category 3 Plenum (300ft)	Each	\$ 2,758.86
Vision Technologies	84	200 pair Category 3 Plenum (300ft)	Each	\$ 4,765.91
Vision Technologies	85	300 pair Category 3 Plenum (300ft)	Each	\$ 7,023.85
Vision Technologies	86	25 pair Category 3 Plenum (400ft)	Each	\$ 1,671.71
Vision Technologies	87	50 pair Category 3 Plenum (400ft)	Each	\$ 2,089.84
Vision Technologies	88	100 pair Category 3 Plenum (400ft)	Each	\$ 3,511.51
Vision Technologies	89	200 pair Category 3 Plenum (400ft)	Each	\$ 6,103.95
Vision Technologies	90	300 pair Category 3 Plenum (400ft)	Each	\$ 8,947.27
Vision Technologies	91	25 pair Category 5e Plenum (100ft)	Each	\$ 919.06
Vision Technologies	92	25 pair Category 5e Plenum (200ft)	Each	\$ 1,671.71
Vision Technologies	93	25 pair Category 5e Plenum (300ft)	Each	\$ 2,340.73
Vision Technologies	94	25 pair Category 5e Plenum (400ft)	Each	\$ 3,009.74
Network Tie Bundle. Total cables in a bundle solution can be 24 or 48. One (1) 24 or 48 port patch panel will be provided on each end depending on bundle size. Pathway provided by others. Patch cords are NOT included.				
Vision Technologies	95	24 port bundle Category 5e Plenum cables (up to 100ft)	Each	\$ 3,344.25
Vision Technologies	96	48 port bundle Category 5e Plenum cables (up to 100ft)	Each	\$ 3,929.64
Vision Technologies	97	24 port bundle Category 6 Plenum cables (up to 100ft)	Each	\$ 7,692.87
Vision Technologies	98	48 port bundle Category 6 Plenum cables (up to 100ft)	Each	\$ 6,605.71
Vision Technologies	99	24 port bundle Category 6A F/UTP Plenum cables (up to 100ft)	Each	\$ 7,692.87
Vision Technologies	100	48 port bundle Category 6A F/UTP Plenum cables (up to 100ft)	Each	\$ 15,302.94

Telecommunications Room (TR) Build-out- Includes one (1) sheet of fire-rated plywood, Two (2) 7x19 racks, Three (3) 6" vertical managers and Two (2) 10' sections of 12" overhead ladder tray. Racks and overhead ladder tray will be grounded to ground bus bar/ building grounding system provided by others. Horizontal wire managers and patch panels or fiber enclosures sold separately.				
Vision Technologies	101	Standard 2 rack TR Build-out described above	Each	\$ 2,926.12
Vision Technologies	102	One (1) Additional rack	Each	\$ 333.67
Vision Technologies	103	One (1) Additional 6" vertical manager	Each	\$ 584.55
Additional materials as required (price includes mounting of equipment only) Termination labor included in per drop pricing.				
Vision Technologies	104	One (1) 24 port UTP patch panel Cat5e	Each	\$ 196.52
Vision Technologies	105	One (1) 24 port UTP patch panel Cat6	Each	\$ 271.79
Vision Technologies	106	One (1) 24 port F/UTP modular patch panel Cat6A (jacks not included, sold seperately)	Each	\$ 146.35
Vision Technologies	107	One (1) 48 port UTP patch panel Cat5e	Each	\$ 388.87
Vision Technologies	108	One (1) 48 port UTP patch panel Cat6	Each	\$ 522.67
Vision Technologies	109	One (1) 1RU horizontal wire manager 1.75"	Each	\$ 104.53
Vision Technologies	110	One (1) 2RU horizontal wire manager 3.5"	Each	\$ 104.53
Vision Technologies	111	One (1) 19"Wx49"Hx25"D wall mount swing rack	Each	\$ 648.11
Vision Technologies	112	One (1) wall mount LIU supports up to 24 fibers using Ganged Adapters	Each	\$ 166.42
Vision Technologies	113	One (1) rack mount 1U fiber shelf supports up to 24 fibers ST or 24 fibers SC or 48 fibers LC using Ganged Adapters	Each	\$ 200.71
Vision Technologies	114	One (1) rack mount 2U fiber shelf supports up to 48 fiber ST or 48 fiber SC or 96 fibers LC using Ganged Adapters	Each	\$ 271.79
Vision Technologies	115	One (1) Ganged adapter panel w/12LC MM 62.5/125 Beige	Each	\$ 45.99
Vision Technologies	116	One (1) Ganged adapter panel w/12LC MM 50/125 Aqua	Each	\$ 45.99
Vision Technologies	117	One (1) Ganged adapter panel w/12LC SM Blue	Each	\$ 54.36

Vision Technologies	118	One (1) Ganged adapter panel w/6SC MM 62.5/125 Beige	Each	\$	45.99
Vision Technologies	119	One (1) Ganged adapter panel w/6SC MM 50/125 Aqua	Each	\$	45.99
Vision Technologies	120	One (1) Ganged adapter panel w/6SC SM Blue	Each	\$	50.18
Vision Technologies	121	One (1) Ganged adapter panel w/6ST MM 62.5/125	Each	\$	33.45
Vision Technologies	122	One (1) Ganged adapter panel w/6ST MM 50/125	Each	\$	37.63
Vision Technologies	123	One (1) Ganged adapter panel w/6ST SM	Each	\$	50.18
Vision Technologies	124	One (1) rack mount 4U fiber shelf supports up to 96 fiber ST or 144 fiber SC or 288 fibers LC	Each	\$	355.42
Vision Technologies	125	One (1) fiber adapter panel w/12LC MM 62.5/125 Beige for 4U rack mount enclosure	Each	\$	75.26
Vision Technologies	126	One (1) fiber adapter panel w/12LC MM 50/125 Aqua for 4U rack mount enclosure	Each	\$	75.26
Vision Technologies	127	One (1) fiber adapter panel w/12LC SM Beige for 4U rack mount enclosure	Each	\$	79.45
Vision Technologies	128	One (1) fiber adapter panel w/12SC MM 62.5/125 Beige for 4U rack mount enclosure	Each	\$	104.53
Vision Technologies	129	One (1) fiber adapter panel w/12SC MM 50/125 Aqua for 4U rack mount enclosure	Each	\$	108.72
Vision Technologies	130	One (1) fiber adapter panel w/12SC SM Beige for 4U rack mount enclosure	Each	\$	121.26
Vision Technologies	131	One (1) 110/100ft Block	Each	\$	71.08
Vision Technologies	132	One (1) 110/300ft Block	Each	\$	149.69
Vision Technologies	133	One (1) Cat5e UTP patch cord 3'	Each	\$	9.20
Vision Technologies	134	One (1) Cat5e UTP patch cord 5'	Each	\$	10.04
Vision Technologies	135	One (1) Cat5e UTP patch cord 7'	Each	\$	10.87
Vision Technologies	136	One (1) Cat5e UTP patch cord 10'	Each	\$	11.71
Vision Technologies	137	One (1) Cat5e UTP patch cord 15'	Each	\$	14.22

Vision Technologies	138	One (1) Cat6 UTP patch cord 3'	Each	\$	14.22
Vision Technologies	139	One (1) Cat6 UTP patch cord 5'	Each	\$	15.05
Vision Technologies	140	One (1) Cat6 UTP patch cord 7'	Each	\$	15.89
Vision Technologies	141	One (1) Cat6 UTP patch cord 10'	Each	\$	17.56
Vision Technologies	142	One (1) Cat6 UTP patch cord 15'	Each	\$	20.91
Vision Technologies	143	One (1) Cat6A F/UTP patch cord 3'	Each	\$	20.91
Vision Technologies	144	One (1) Cat6A F/UTP patch cord 5'	Each	\$	21.74
Vision Technologies	145	One (1) Cat6A F/UTP patch cord 7'	Each	\$	23.42
Vision Technologies	146	One (1) Cat6A F/UTP patch cord 10'	Each	\$	26.76
Vision Technologies	147	One (1) Cat6A F/UTP patch cord 15'	Each	\$	30.11
Vision Technologies	148	One (1) 2M fiber patch cord 62.5/125 MM Orange	Each	\$	65.23
Vision Technologies	149	One (1) 3M fiber patch cord 62.5/125 MM Orange	Each	\$	66.90
Vision Technologies	150	One (1) 5M fiber patch cord 62.5/125 MM Orange	Each	\$	71.08
Vision Technologies	151	One (1) 2M fiber patch cord 50/125 MM Aqua	Each	\$	68.57
Vision Technologies	152	One (1) 3M fiber patch cord 50/125 MM Aqua	Each	\$	71.92
Vision Technologies	153	One (1) 5M fiber patch cord 50/125 MM Aqua	Each	\$	79.45
Vision Technologies	154	One (1) 2M fiber patch cord 8/125 SM Yellow	Each	\$	62.72
Vision Technologies	155	One (1) 3M fiber patch cord 8/125 SM Yellow	Each	\$	64.39
Vision Technologies	156	One (1) 5M fiber patch cord 8/125 SM Yellow	Each	\$	66.90
Vision Technologies	157	One (1) 1" PVC Innerduct	Each	\$	2.22
Vision Technologies	158	One (1) 1" Plenum Innerduct	Each	\$	3.55
Vision Technologies	159	One (1) 2" support sling	Each	\$	10.04

Vision Technologies	169	2 Door Access Control	Each	\$ 5,853.07
Vision Technologies	170	15 Door Access Control	Each	\$ 37,631.41
Vision Technologies	171	40 Door Access Control	Each	\$ 83,626.37
Vision Technologies	172	75 Door Access Control	Each	\$ 158,890.85
Vision Technologies	173	110 Door Access Control	Each	\$ 209,067.17
Vision Technologies	174	4 Door Access Control	Each	\$ 12,543.24
Vision Technologies	175	25 Camera System	Each	\$ 58,538.21
Vision Technologies	176	2 Camera System	Each	\$ 4,180.52
Vision Technologies	177	Four Camera System	Each	\$ 5,853.07
Vision Technologies	178	48 Camera System	Each	\$ 91,989.09
Vision Technologies	179	Ten Camera System	Each	\$ 16,724.60
Vision Technologies	180	16 Camera System	Each	\$ 29,268.69
Vision Technologies	181	2 Camera 2MP System	Each	\$ 5,016.80
Vision Technologies	182	96 Camera System	Each	\$ 188,160.37
Vision Technologies	183	Video Server Bundle	Each	\$ 27,596.14
Vision Technologies	184	8 Camera Low Light System	Each	\$ 30,941.23
Vision Technologies	185	Analog to IP Bundle	Each	\$ 146,346.77
Vision Technologies	186	35 Camera Bundle	Each	\$ 71,082.29
Vision Technologies	187	25 Wide Angle Camera Bundle	Each	\$ 58,538.21
Vision Technologies	188	1 EXT PTZ Bundle	Each	\$ 5,016.80
Vision Technologies	189	Client View Station Bundle	Each	\$ 5,016.80
Vision Technologies	190	Visitor Management Bundle	Each	\$ 10,870.70

Vision Technologies	191	Visitor Management Bundle with Camera	Each	\$ 20,905.96
Vision Technologies	192	Visitor Management Bundle Entry Level	Each	\$ 6,689.34

Any maintenance or repair needed after the warranty expires is performed by the following labor categories:

Installation Technician, \$41.39/hour

Technical Services Field Technician, \$62.08/hour

ASSUMPTIONS

1. All cable runs are assumed to be 250 feet or less
2. All installations are assumed for typical office construction - drywall, dropceilings
3. Ceiling height is assumed to be no more than 12 feet.
4. All cabling has a 20 Year Warranty
5. All cabling is US Manufactured.