GENERAL SERVICES ADMINISTRATION
Federal Acquisition Service
Authorized Federal Supply Schedule FSS Price List

Tygart Technology Inc

1543 Fairmont Avenue, Suite 103
Fairmont, WV 26554
(P) 304-363-6855 | (F) 304-363-6886
www.tygart.com
Contract Administrator: James Wagner, awagner@tygart.com

Contract Number: 47QTCA24D001E
Contract Period: 11/07/2023 – 11/06/2028
Business Size: Small Business, SBA Certified HUBZone

Schedule Title: Multiple Award Schedule
Federal Supply Group: Information Technology

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

For more information on ordering go to the following website: **https://www.gsa.gov/schedules**.

Pricelist current through Modification **#PO-001** effective **11/07/2023.**

CUSTOMER INFORMATION:

1a. Table of Awarded Special Item Number(s) with appropriate cross-reference to page numbers:

SIN	Recovery SIN	SIN Description
511210	511210RC	Software Licenses
54151	54151RC	Software Maintenance Services
54151S	54151SRC	Information Technology Professional Services
OLM	OLMRC	Order-Level Materials (OLMs)

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. See pricing beginning on page 5.

1c. If the Contractor is proposing hourly rates a description of all corresponding commercial job titles, experience, functional responsibility, and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item. See Labor Category Descriptions beginning on page 8.

2. Maximum Order: SIN 511210, 54151, and 54151S - $500,000
SIN OLM - $250,000

3. Minimum Order: $100.00

4. Geographic Coverage: Worldwide.

5. Point(s) of production: Same as company address.

6. Discount from list prices or statement of net price: Government net prices (discounts already deducted).

7. Quantity discounts: 0.5% on Purchase Orders greater than $1,000,000.00.

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

9. Foreign items: None.

10a. Time of Delivery: 30 Days ARO.

10b. Expedited Delivery: Contact Contractor.

10c. Overnight and 2-day delivery: Contact Contractor.

10d. Urgent Requirements: Contact Contractor.

11. F.O.B Points: Destination.

12a. Ordering Address:　　Tygart Technology Inc
　　　　　　　　　　　　　　ATTN: GSA Order
　　　　　　　　　　　　　　1543 Fairmont Avenue, Suite 103
　　　　　　　　　　　　　　Fairmont, WV 26554
　　　　　　　　　　　　　　(P) 304-363-6855 (F) 363-6886
　　　　　　　　　　　　　　sales@tygart.com

12b. Ordering procedures: See Federal Acquisition Regulation (FAR) 8.405-3.

13.　Payment address (is):　　Tygart Technology Inc
　　　　　　　　　　　　　　ATTN: Accounts Receivable
　　　　　　　　　　　　　　1543 Fairmont Avenue, Suite 103
　　　　　　　　　　　　　　Fairmont, WV 26554
　　　　　　　　　　　　　　(P) 304-363-6855 (F) 363-6886
　　　　　　　　　　　　　　awagner@tygart.com

14.　Warranty provision: Contractor's standard commercial warranty.

15.　Export Packing Charges: Not Applicable.

16.　Terms and conditions of rental, maintenance, and repair: Not Applicable.

17.　Terms and conditions of installation: Not Applicable.

18a. Terms and conditions of repair parts: Not Applicable.

18b. Terms and conditions for any other services: Not Applicable.

19.　List of service and distribution points: Not Applicable.

20.　List of participating dealers: Not Applicable.

21.　Preventive maintenance: Not Applicable.

22a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: Not Applicable.

22b. If applicable, indicate that Section 508 compliance information is available for the information and communications technology (ICT) products and services and show where full details can be found (e.g. contractor's website or other location.) ICT accessibility standards can be found at: https://www.Section508.gov/. www.tygart.com.

23.　Unique Entity Identifier (UEI) Number: ZF1BLED9ZWY5

24.　Notification regarding registration in System for Award Management (SAM) database:
Tygart Technology Inc is registered at SAM.gov.

GSA Hourly Rates (w/IFF)
SIN 54151S

SIN	Labor Category	Year 1 11/07/2023 – 11/06/2024	Year 2 11/07/2024 – 11/06/2025	Year 3 11/07/2025 – 11/06/2026	Year 4 11/07/2026 – 11/06/2027	Year 5 11/07/2027 – 11/06/2028
54151S	Application Developer	$145.55	$151.96	$158.65	$165.63	$172.92
54151S	Backup Engineer	$165.51	$172.79	$180.39	$188.33	$196.61
54151S	Business Analyst	$120.55	$125.85	$131.40	$137.18	$143.21
54151S	Database Administrator	$138.56	$144.65	$151.02	$157.67	$164.61
54151S	Database Developer	$122.55	$127.95	$133.58	$139.46	$145.59
54151S	Enterprise Architect	$178.98	$186.85	$195.07	$203.66	$212.61
54151S	IA Specialist I	$122.79	$128.19	$133.83	$139.72	$145.86
54151S	IA Specialist II	$161.05	$168.14	$175.54	$183.26	$191.32
54151S	IA Specialist III	$178.96	$186.83	$195.05	$203.64	$212.59
54151S	IA Specialist IV	$196.12	$204.75	$213.75	$223.15	$232.98
54151S	Information Engineer	$131.43	$137.22	$143.25	$149.56	$156.14
54151S	IT Security Specialist I	$107.68	$112.42	$117.37	$122.54	$127.93
54151S	IT Security Specialist II	$118.84	$124.07	$129.53	$135.23	$141.19
54151S	IT Security Specialist III	$138.27	$144.35	$150.70	$157.33	$164.25
54151S	Jr. Application Developer	$74.96	$78.26	$81.70	$85.30	$89.06
54151S	Jr. Quality Assurance Analyst	$110.63	$115.50	$120.57	$125.88	$131.43
54151S	Management Analyst	$101.80	$106.28	$110.95	$115.84	$120.94
54151S	Principal Engineer	$189.94	$198.30	$207.02	$216.13	$225.64
54151S	Principal Technical Architect	$227.35	$237.35	$247.80	$258.70	$270.09
54151S	Program Management Specialist I	$123.03	$128.44	$134.10	$140.00	$146.16
54151S	Program Management Specialist II	$132.48	$138.32	$144.40	$150.76	$157.39
54151S	Program Management Specialist III	$136.34	$142.34	$148.60	$155.14	$161.97
54151S	Program Management Specialist IV	$162.89	$170.06	$177.54	$185.35	$193.50

SIN	Labor Category	Year 1 11/07/2023 – 11/06/2024	Year 2 11/07/2024 – 11/06/2025	Year 3 11/07/2025 – 11/06/2026	Year 4 11/07/2026 – 11/06/2027	Year 5 11/07/2027 – 11/06/2028
54151S	Project Manager	$181.02	$188.99	$197.30	$205.98	$215.05
54151S	QA Engineer	$134.62	$140.54	$146.73	$153.19	$159.93
54151S	Quality Assurance Analyst	$128.07	$133.70	$139.59	$145.73	$152.14
54151S	Sr. Application Developer	$161.96	$169.09	$176.52	$184.29	$192.40
54151S	Sr. Business Analyst	$163.25	$170.43	$177.92	$185.75	$193.92
54151S	Sr. Database Administrator	$176.27	$184.03	$192.13	$200.58	$209.41
54151S	Sr. Database Developer	$161.96	$169.09	$176.52	$184.29	$192.40
54151S	Sr. Engineer	$142.51	$148.78	$155.32	$162.16	$169.29
54151S	Sr. Information Engineer	$197.01	$205.68	$214.73	$224.18	$234.05
54151S	Sr. Project Manager	$191.02	$199.43	$208.20	$217.36	$226.92
54151S	Sr. Storage Engineer	$129.30	$134.98	$140.92	$147.11	$153.58
54151S	Sr. Systems Engineer	$155.48	$162.32	$169.46	$176.92	$184.71
54151S	Sr. Technical Architect	$186.57	$194.78	$203.36	$212.30	$221.64
54151S	Sr. Technical Specialist	$139.69	$145.83	$152.25	$158.95	$165.94
54151S	Sr. Technical Writer	$114.27	$119.29	$124.54	$130.03	$135.75
54151S	Sr. Web Developer	$147.70	$154.20	$160.98	$168.06	$175.46
54151S	Subject Matter Expert	$268.79	$280.61	$292.96	$305.84	$319.30
54151S	Systems Engineer	$130.75	$136.50	$142.51	$148.78	$155.32
54151S	Technical Architect	$171.03	$178.56	$186.42	$194.62	$203.18
54151S	Technical Specialist	$114.27	$119.29	$124.54	$130.03	$135.75
54151S	Technical Writer	$103.79	$108.36	$113.13	$118.11	$123.30
54151S	Training Specialist	$100.79	$105.22	$109.84	$114.68	$119.73
54151S	Training Specialist II	$120.84	$126.16	$131.71	$137.50	$143.55
54151S	Web Developer	$124.38	$129.85	$135.57	$141.53	$147.76

Service Contract Labor Standards: The Service Contract Labor Standards (SCLS) are applicable to this contract as it applies to the entire Consolidated MAS Schedule and all services provided. While no specific labor categories have been identified as being subject to SCLS due to exemptions for

professional employees (FAR 22.1101, 22.1102 and 29 CRF 541.300), this contract still maintains the provisions and protections for SCLS eligible labor categories. If and / or when the contractor adds SCLS labor categories / employees to the contract through the modification process, the contractor must inform the Contracting Officer and establish a SCLS matrix identifying the GSA labor category titles, the occupational code, SCLS labor category titles and the applicable WD number. Failure to do so may result in cancellation of the contract.

GSA Software and Maintenance Pricing (w/IFF)
SIN 511210, 54151

SIN	Manufacturer Part No	Product Name	UOI	Price
511210	MX RUGG	Perpetual Software - MX RUGG	EA	$18,641.17
511210	MX BASE	Perpetual Software - MX BASE	EA	$193,350.13
511210	MX SCALE	Perpetual Software - MX SCALE	EA	$93,844.69
511210	MX SFRT	Perpetual Software - MX SFRT	EA	$19,143.58
511210	MXPFRT	Perpetual Software - MXPFRT	EA	$30,629.72
54151	MX MAINT BASE	Term Software - MX MAINT BASE	YR	18% of initial licensing cost
54151	MX MAINT SCALE	Term Software - MX MAINT SCALE	YR	18% of initial licensing cost

Application Developer

Functional Responsibility: Translate business and technical requirements into extensible, scalable, and maintainable applications modules and services. Designs, performs code analysis, requirements analysis, development and review of software components and application code, implements code metrics, performs system risk analyses, and evaluates software reliability. Participates in full lifecycle application development including development and enhancement of front end graphical user interfaces using web based techniques and standards. Provides subject matter expertise for task- specific technologies, methods, and standards. Functions as a technical expert across multiple project assignments related to software analysis. Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Supports, maintains, and documents software functionality. Performs software testing and quality assurance activities. Participates in performance tuning, functionality improvements. Researches, tests, builds, and coordinates the conversion and/or integration of new products based on client requirements. Designs and develops new software products or major enhancements to existing software. Performs feasibility analysis on potential future projects to management. Assists in the evaluation and recommendation of application software packages, application integration and testing tools. Addresses problems of systems integration, compatibility, and multiple platforms. Consults with project teams and end users to identify application requirements. Resolves problems with software and responds to suggestions for improvements and enhancements. Participates in development of software user manuals. Designs, develops, enhances, debugs, and implements software. Troubleshoots production problems related to software applications.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Backup Engineer

Functional Responsibility: Designs, implements, manages, upgrades and supports an enterprise backup/recovery environment including tiered backup and backup virtualization. Evaluates, configures, tests, and recommends ways to optimize client hardware and software so as to improve efficiency of the enterprise backup and recovery process. Utilizes tools and monitoring techniques, logs, and various reporting techniques in order to recognize trends, identify bottle necks, and advise management on efficiency improvements and methods to improve reliability and availability. Develop documentation supporting application, hardware, and procedural changes. Provides technical advice to IT operations and create and maintain procedures to support the daily operations of the data backup environment. Experience backing up multiple operating systems using various hardware and software technologies.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Business Analyst

Functional Responsibility: Business area expert in one or more disciplines to address a particular task or analysis requirement. Provides expert advice and assistance in the evaluation of policies for gaps, effectiveness and efficiency. Works with client to create, analyze, update, and document complex

business and technical processes using subject-specific techniques and methodologies. Performs gap and alternative analyses, and evaluates processes for clarity and efficiency. Presents proposed policies, standards, processes, and procedures to client stakeholders for evaluation and decision. Documents decisions and final artifacts.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Database Administrator

Functional Responsibility: Provides technical administration and support of complex custom developed databases. Provides database design and setup, patching, data migration, conceptual analysis, software installation, database cloning, customization, configuration, implementation, maintenance, and diagnostic support. Provides database sizing, application upgrades, tuning and capacity planning and experience in developing database documentation, troubleshooting complex issues and working with database vendors or other teams to resolve the issues, and coordinating any testing activities. Uses database tools to improve database performance and monitoring database for efficiencies.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Database Developer

Functional Responsibility: Performs all aspects of database modeling, design, development, and implementation of database systems. Demonstrates expertise in performance tuning and optimization using monitoring and troubleshooting tools. Implements operational automation using scripts. Identifies and implements security and classification requirements. Designs and documents database architecture using data modeling. Builds database schemes, tables, procedures, and permissions. Conducts quality control and auditing of databases to ensure accurate and appropriate use of data. Applies knowledge and experience with database technologies, development methodologies, and front- end applications/back-end programming languages. Performs database programming and supports systems design. Experience with current database technologies such as Oracle, MS SQL, MySQL, etc. Experience should include demonstrated ability to work independently and in teams and possess excellent organizational skills. Experience includes database design and architecture, analysis and programming on projects encompassing all phases of the systems development life cycle.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Enterprise Architect

Functional Responsibility: Leads and directs large teams with diverse functional and technical disciplines. Works with government executives of the enterprise to consult, coach, and advise on strategy, business alignment, enterprise architecture, information technology, and the associated risk and impact. Integrates and translates complex concepts into tactical plans. Directs enterprise architecture analysis, evaluation, design, integration, documentation, and development. Utilizes an in depth understanding of business transformation and processes, organizational structure, experience in developing briefings and reports. Establishes system information requirements using analysis of the information engineers in the development of enterprise or large scale information systems. Design

architectures including software, hardware, and infrastructure to support the total requirements. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection and International Standards Organization reference models, and profiles. Evaluates analytically and systematically problems of work flows, organization, and planning and develops appropriate corrective action. Provides daily supervision and direction to staff.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

IA Specialist I

Functional Responsibility: Researches industry, Federal, and other prevailing guidance, standards, and requirements for assessment of client Information Assurance policies and procedures. Identifies the authoritative guidance to management officials both inside and outside of the information technology leadership. Performs system categorizations and uses standard tools to evaluate and manage compliance with security controls and open/outstanding reported system deficiencies.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

IA Specialist II

Functional Responsibility: Researches industry, Federal, and other prevailing guidance, standards, and requirements for assessment of client Information Assurance policies and procedures. Identifies and translates the authoritative guidance to management officials both inside and outside of the information technology leadership. Performs system categorizations and uses standard tools to evaluate and manage compliance with security controls and open/outstanding reported system deficiencies.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

IA Specialist III

Functional Responsibility: Researches industry, Federal, and other prevailing guidance, standards, and requirements for assessment of client Information Assurance policies and procedures. Identifies and translates the authoritative guidance to management officials both inside and outside of the information technology leadership. Evaluates client's current security program for effectiveness, efficiency, and completeness using industry recognized methods and techniques. Provides executive-level guidance to improve security programs. Performs system categorizations and uses standard tools to evaluate and manage compliance with security controls and open/outstanding reported system deficiencies.

Minimum Education: Bachelors Degree

Minimum Experience: 7 Years

IA Specialist IV

Functional Responsibility: Researches industry, Federal, and other prevailing guidance, standards, and requirements for assessment of client Information Assurance policies and procedures. Identifies and translates the authoritative guidance to management officials both inside and outside of the

information technology leadership. Evaluates client's current security program for effectiveness, efficiency, and completeness using industry recognized methods and techniques. Provides executive-level guidance to improve security programs. Directs staff in the performance of system categorizations and use standard tools to evaluate and manage compliance with security controls and open/outstanding reported system deficiencies.

Minimum Education: Bachelors Degree

Minimum Experience: 10 Years

Information Engineer

Functional Responsibility: Highly specialized in one or more phases of software or infrastructure development, integration, engineering, or support. Provides technical advice on complex data models, data use patterns, data standards, interfaces, requirements, validation, security, and definition. Formulates and defines specifications, develops, modifies, and maintains data analytics tools, capabilities, and metrics. Performs high level data analysis, evaluation, design, integration, documentation, and implementation of complex systems. Participates in all phases of system development with emphasis on planning, analysis, evaluation, integration, testing, and acceptance phases. Applies business or technical principles to difficult technical issues to resolve engineering issues. Interacts with stakeholders to apply technical and analytical techniques for gathering information from users, defining work problems, designing technology solutions, and developing procedures to resolve the issues. Prepares recommendations for system improvement for management and user consideration.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

IT Security Specialist I

Functional Responsibility: Provides technical support in the areas of vulnerability assessment, risk assessment, network security, product evaluation, and security implementation. Responsible for designing and implementing solutions for protecting the confidentiality, integrity and availability of sensitive information. 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. Assists with making security improvements. Participates in design of information system contingency plans that maintain appropriate levels of protection and meet time requirements for minimizing operations impact to customer organization. Conducts testing and audit log reviews to evaluate the effectiveness of current security measures. Provide reports regarding effectiveness of IT security to Team Leads or senior security managers. Responsible for day-to-day security administration of systems and networks including systems access administration.

Minimum Education: Bachelors Degree

Minimum Experience: 1 Year

IT Security Specialist II

Functional Responsibility: Provides technical support in the areas of vulnerability assessment, risk assessment, network security, product evaluation, and security implementation. Responsible for designing and implementing solutions for protecting the confidentiality, integrity and availability of sensitive information. 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. Provides technical evaluations of customer systems and assists with making security improvements. Participates in design of information system contingency plans that maintain appropriate levels of protection and meet time requirements for minimizing operations impact to customer organization. Conducts security product evaluations, and recommends products, technologies and upgrades to improve client security posture. Conducts testing and audit log reviews to evaluate the effectiveness of current security measures. Provide reports regarding effectiveness of IT security and makes recommendations for the adoption of new procedures. Responsible for day-to-day security administration of systems and networks including systems access administration. May serve as a Security Team Lead.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

IT Security Specialist III

Functional Responsibility: Provides technical support in the areas of vulnerability assessment, risk assessment, network security, product evaluation, and security implementation. Responsible for designing and implementing solutions for protecting the confidentiality, integrity and availability of sensitive information. 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. Provides technical evaluations of customer systems and assists with making security improvements. Participates in design of information system contingency plans that maintain appropriate levels of protection and meet time requirements for minimizing operations impact to customer organization. Conducts security product evaluations, and recommends products, technologies and upgrades to improve client security posture. Conducts testing and audit log reviews to evaluate the effectiveness of current security measures. Provide reports regarding effectiveness of IT security and makes recommendations to senior client management for the adoption of new procedures. Responsible for day-to-day security administration of systems and networks including systems access administration. May direct IT Security Teams in day-to-day security administration activities.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Jr. Application Developer

Functional Responsibility: Translate business and technical requirements into extensible, scalable, and maintainable applications modules and services. Performs code analysis, requirements analysis, development and review of software components and application code, and evaluates software

reliability. Participates in full lifecycle application development including development and enhancement of front end graphical user interfaces using web based techniques and standards. Provides subject matter expertise for task-specific technologies, methods, and standards. Functions as a technical expert across multiple project assignments related to software analysis. Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Supports, maintains, and documents software functionality. Performs software testing and quality assurance activities. Participates in performance tuning, functionality improvements. Researches, tests, builds, and coordinates the conversion and/or integration of new products based on client requirements. Designs and develops new software products or major enhancements to existing software. Assists in the evaluation and recommendation of application software packages, application integration and testing tools. Addresses problems of systems integration, compatibility, and multiple platforms. Resolves problems with software and responds to suggestions for improvements and enhancements. Participates in development of software user manuals. Designs, develops, enhances, debugs, and implements software. Troubleshoots production problems related to software applications.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Jr. Quality Assurance Analyst

Functional Responsibility: Experience supporting large complex Information Technology projects as a Quality Assurance or Test Analyst role. Demonstrated experience in using Quality Assurance methodologies and testing software applications. Experience in writing detailed test plans, use cases and test scripts, and tracking and reporting defects; possess knowledge of System Development Life Cycle (SDLC); candidate works in a team environment; ability to effectively communicate with users and the development team both in oral and written form; possess excellent analytical, interpersonal and organizational skills. Demonstrated ability to analyze and understand design requirements and design methodologies.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Management Analyst

Functional Responsibility: Analyzes management, processes, structure, culture, and performance. Conducts organizational, process, or business analysis, utilizing qualitative and quantitative analysis tools and techniques. Identifies problems, makes recommendations including designing and implementing appropriate organizational solutions. Applies organizational and management theory and principles to understand and improve organizational effectiveness and efficiency in achieving business goals. Works with all levels of the organization from technical and business management to senior management Conducts coaching, interviewing, facilitation, training, and surveys. Focuses on understanding organization, program, process or people effectiveness and how performance can be improved. Formulates and defines scope and objectives through research and fact finding to develop complex information systems. Provides advice on client business, management, and technical issues, concerns, and priorities. Exercises complex analytical techniques when gathering information from users, defining work problems, designing a system or business procedure to resolve problems. Reviews task requirements, gathers information, analyzes data, prepares project synopses, compares alternatives, prepares specifications, resolves problems, and coordinates work with programmers.

Minimum Education: Bachelors Degree

Minimum Experience: 1 Year

Principal Engineer

Functional Responsibility: Provides development and maintenance services with significant focus on the design and construction phases of the Software Development Life Cycle. Demonstrated experience in working independently and capable of working in team environment; experience providing technical leadership to junior staff; demonstrated excellent oral, written, communication and interpersonal skills. Experience must demonstrate a progressively more technically complex responsibilities during the candidate's professional career. Demonstrated experience in leadership and collaborates technical expertise with external teams.

Minimum Education: Bachelors Degree

Minimum Experience: 10 Years

Principal Technical Architect

Functional Responsibility: Technical or business area expert in one or more disciplines to address a particular task or environment need. Provides expert advice and assistance in state- of-the-art software/hardware solutions involving hardware of various capacities, operating environments, database management systems and complex software tools or packages. Works with senior client management to identify improvement goals, assess organizational or process effectiveness, and implement change strategies. Designs technical and business solutions, mentors and trains client staff, and oversees implementation. Maintains a high level of technical and industry experience related to studying and analyzing system needs, systems development, and systems process analysis, design and reengineering. Has skills and experience related to business management, systems engineering, and management engineering. Has specialization in a particular technology or business application. Keeps abreast of technological developments and industry trends.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

Program Management Specialist I

Functional Responsibility: Manages/oversees projects from concept through final implementation. Interfaces with all areas affected by the project including end users, stakeholders, technical and managerial teams. Defines project scope and objectives. Develops/reviews work plans, schedules, project estimates, resource plans and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Analyzes management, business, and technical issues related to program management and information systems and reports findings. Assists in formulating systems scope and objectives. Devises or modifies procedures for managing projects. May provide quality assurance and risk management responsibilities.

Minimum Education: Bachelors Degree

Minimum Experience: 1 Year

Program Management Specialist II

Functional Responsibility: Manages/oversees projects from concept through final implementation. Interfaces with all areas affected by the project including end users, stakeholders, technical and managerial teams. Defines project scope and objectives. Develops/reviews work plans, schedules, project estimates, resource plans and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Analyzes management, business, and technical issues related to program management and information systems. Provides recommendations on management processes and procedures, the business implications of various systems, and the technical considerations. Assists in formulating systems scope and objectives. Devises or modifies procedures for managing complex projects. May provide quality assurance and risk management responsibilities.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Program Management Specialist III

Functional Responsibility: Manages/oversees projects from concept through final implementation. Interfaces with all areas affected by the project including end users, stakeholders, technical and managerial teams. Defines project scope and objectives. Develops/reviews work plans, schedules, project estimates, resource plans and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Analyzes management, business, and technical issues related to program management and information systems. Provides guidance on management processes and procedures, the business implications of various systems, and the technical considerations. Assists in formulating systems scope and objectives. Devises or modifies procedures for managing complex programs. May provide quality assurance and risk management responsibilities. Capable of supporting multiple projects simultaneously or serving as deputy project manager.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Program Management Specialist IV

Functional Responsibility: Manages/oversees complex projects from concept through final implementation. Interfaces with all areas affected by the project including end users, stakeholders, technical and managerial teams. Defines project scope and objectives. Develops/reviews work plans, schedules, project estimates, resource plans and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Analyzes management, business, and technical issues related to program management and information systems. Provides guidance to senior customer management on management processes and procedures, the business implications of various systems, and the technical considerations. Assists in formulating systems scope and objectives. Devises or modifies procedures for managing complex programs. May provide quality assurance and risk management responsibilities. Supports multiple projects simultaneously and capable of serving as a deputy program manager.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

Project Manager

Functional Responsibility: Manages all contract activities. Sets policies and procedures, technical standards and methods, and priorities. Coordinates the management of all work performed on task orders under the contract. Coordinates the efforts of subcontractors, team members, and vendors. Acts as the central point of contact with the Contracting Officer and other officials. Exercises full authority to act for the company in the performance of the required work. Works independently, or under the general direction of senior level company management, on all phases of performance including contract management, task order management, coordination of resource needs, coordination with corporate resources and management. Has direct accountability for the technical correctness, timeliness and quality of deliverables, and the implementation and measurement of corporate and client quality standards and methodologies. Has a broad and deep knowledge of the IT industry, business administration, and human resource management and has excellent oral and written communications skills. May serve as a deputy program manager.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

QA Engineer

Functional Responsibility: Experience supporting large complex Information Technology projects as a Quality Engineer or Test Engineer role. Demonstrated experience in designing Quality Assurance systems and test strategies. Experience in writing detailed test plans, use cases and test scripts, and tracking and reporting defects; possess in depth knowledge of System Development Life Cycle (SDLC); candidate works independently and capable of working in team environment; ability to effectively communicate with management, users, and the development team both in oral and written form; possess excellent analytical, interpersonal and organizational skills. Demonstrated ability to analyze and understand design requirements and design methodologies.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

Quality Assurance Analyst

Functional Responsibility: Experience supporting large complex Information Technology projects as a Quality Assurance or Test Analyst role. Demonstrated experience in using Quality Assurance methodologies and testing software applications. Experience in writing detailed test plans, use cases and test scripts, and tracking and reporting defects; possess in depth knowledge of System Development Life Cycle (SDLC); candidate works independently and capable of working in team environment; ability to effectively communicate with management, users, and the development team both in oral and written form; possess excellent analytical, interpersonal and organizational skills. Demonstrated ability to analyze and understand design requirements and design methodologies.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Application Developer

Functional Responsibility: Translate business and technical requirements into extensible, scalable, and maintainable applications modules and services. Responsible for leading a development team to design,

analyze code, analyze requirements, develop and review software components and application code, identify of code metrics, perform system risk analyses, and evaluate software reliability. Responsible for full lifecycle application development including managing, authorizing and editing of front end graphical user interfaces using web based techniques and standards. Identify, educate, establish, and enforce standards and techniques. Provide subject matter expertise to development staff and client stakeholders for task-specific technologies, methods, and standards. Functions as a technical expert across multiple project assignments related to software analysis. Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Coordinates team efforts to support, maintain, and document software functionality. Manage and coordinate software testing and quality assurance activities. Lead efforts in performance tuning, functionality improvements. Must have experience with team leadership and delegation of tasks to team members. Researches, tests, builds, and coordinates the conversion and/or integration of new products based on client requirements. Designs and develops new software products or major enhancements to existing software. Performs feasibility analysis on potential future projects to management. Assists in the evaluation and recommendation of application software packages, application integration and testing tools. Instructs, assigns, directs, and checks the work of other software developers on development team.

Minimum Education: Bachelors Degree

Minimum Experience: 10 Years

Sr. Business Analyst

Functional Responsibility: Business area expert in one or more disciplines to address a particular task or analysis requirement. Provides expert advice and assistance to Sr-level management in the evaluation of programs, policies, and standards for gaps, effectiveness and efficiency. Creates, analyzes, updates, and documents complex business and technical processes using subject-specific techniques and methodologies. Performs gap and alternative analyses, and evaluates processes for clarity and efficiency. Presents proposed policies, standards, processes, and procedures to executive stakeholders for evaluation and decision. Documents decisions and final artifacts.

Minimum Education: Bachelors Degree

Minimum Experience: 7 Years

Sr. Database Administrator

Functional Responsibility: Provides technical administration and support of Oracle eBusiness suite applications, complex custom developed databases, Solaris UNIX servers, and Redhat Linux servers. Provides database design and setup, patching, data migration, conceptual analysis, software installation, database cloning, customization, configuration, implementation, maintenance, and diagnostic support associated with Oracle software. Provides database sizing, application upgrades, tuning and capacity planning in Oracle Applications environment. Develops database documentation, and troubleshooting complex issues. Works with client teams to resolve the issues, and coordinating any testing activities.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

Sr. Database Developer

Functional Responsibility: Leads all aspects of database modeling, design, development, and implementation of database systems. Demonstrates expertise in performance tuning and optimization using monitoring and troubleshooting tools. Implements operational automation using scripts. Identifies and implements security and classification requirements. Designs and documents database architecture using data modeling. Builds database schemes, tables, procedures, and permissions. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Conducts quality control and auditing of databases to ensure accurate and appropriate use of data. Applies knowledge and experience with database technologies, development methodologies, and front-end applications/back-end programming languages. Performs database programming and supports systems design. Experience with current database technologies such as Oracle, MS SQL, MySQL, etc. Experience should include demonstrated ability to work independently and in teams and provide technical leadership to more junior staff and possess excellent organizational skills. Experience includes leading efforts encompassing; database design and architecture, analysis and programming on projects encompassing all phases of the systems development life cycle.

Minimum Education: Bachelors Degree

Minimum Experience: 10 Years

Sr. Engineer

Functional Responsibility: Highly specialized in one or more phases of software or infrastructure development, integration, or network engineering. Provides technical advice on complex activities. Formulates and defines specifications, develops, modifies, and maintains complex systems using vendor engineering releases and utilities for overall operational systems. Performs high level systems analysis, evaluation, design, integration, documentation, and implementation of complex systems. Directs and participates in all phases of system development with emphasis on planning, analysis, evaluation, integration, testing, and acceptance phases. Applies business or technical principles to difficult technical issues to resolve engineering issues. Applies technical and analytical techniques for gathering information from users, defining work problems, designing technology solutions, and developing procedures to resolve the issues.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Information Engineer

Functional Responsibility: Technical expert in one or more phases of software or infrastructure development, integration, engineering, or support. Provides management and expert technical advice on complex data models, data use patterns, data standards, interfaces, requirements, validation, security, and definition. Formulates and defines specifications, develops, modifies, and maintains data analytics tools, capabilities, and metrics. Directs and participates in all phases of development with emphasis on planning, analysis, evaluation, integration, testing, and acceptance phases. Applies business or technical principles to difficult operational and strategic issues to resolve issues. Interacts with senior-level stakeholders to apply technical and analytical techniques for gathering information from users, defining work problems, designing solutions, and developing procedures to resolve the issues. Prepares

and implements recommendations for system improvement. Keeps abreast of technological developments and industry trends.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Project Manager

Functional Responsibility: Manages all contract activities. Sets policies and procedures, technical standards and methods, and priorities. Coordinates the management of all work performed on task orders under the contract. Coordinates the efforts of subcontractors, team members, and vendors. Acts as the central point of contact with the Contracting Officer and other officials. Exercises full authority to act for the company in the performance of the required work. Works independently, or under the general direction of senior level company management, on all phases of performance including contract management, task order management, coordination of resource needs, coordination with corporate resources and management. Has direct accountability for the technical correctness, timeliness and quality of deliverables, and the implementation and measurement of corporate and client quality standards and methodologies. Has a broad and deep knowledge of the IT industry, business administration, and human resource management and has excellent oral and written communications skills. May serve as a program manager.

Minimum Education: Bachelors Degree

Minimum Experience: 12 Years

Sr. Storage Engineer

Functional Responsibility: Provides high level technical expertise and guidance in the design, installation, implementation, operation, maintenance and security of production quality, high end storage solutions operating under multiple host and guest operating systems. Evaluates and recommends hardware/software enhancements as appropriate and develop directory replications and synchronization for disaster recovery. Performs maintenance, cursory investigation, troubleshoots problems, and escalates notification of performance issues, component failures or suspicious activity.

Minimum Education: Bachelors Degree

Minimum Experience: 4 Years

Sr. Systems Engineer

Functional Responsibility: Performs a variety of technical systems engineering tasks, which are broad in nature and are related to the architectural design and implementation of integrated computer systems. These technical systems span network, server, database, application, and interface technologies and components. Assesses impact of systems from operational, license, organizational, and resource perspectives; including personnel, hardware, software and support facilities and/or equipment. Analyzes and defines all technical and architectural requirements, defines and maintains architecture and infrastructure components and technologies. Monitors overall system and individual component capacity and performance, and diagnoses and resolves problems. Develops all aspects of Standard Operating Procedures and/or Work Instructions. Installs, tests, maintains, and upgrades technical components and systems software. Ensures the rigorous application of information security/information assurance policies, principles, and practices in the delivery of services. Plans and performs engineering

research, design development, and other assignments in conformance with design, engineering and customer specifications.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Technical Architect

Functional Responsibility: Technical or business area expert in one or more disciplines to address a particular task or environment need. Provides expert advice and assistance in state-of-the-art software/hardware solutions involving hardware of various capacities, operating environment, database management systems and complex software tools or packages. Works with client to identify improvement goals, assess organizational or process effectiveness, and implement change strategies. Designs technical and business solutions. Maintains a high level of technical and industry experience related to studying and analyzing systems needs, systems development, and systems process analysis, design and reengineering. Has skills and experience related to business management, systems engineering, and management engineering. Has specialization in a particular technology or business application. Keeps abreast of technological developments and industry trends.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Technical Specialist

Functional Responsibility: Analyzes management, business, and technical issues related to the technical management of task orders for information systems projects. Assists in formulating systems scope and objectives. Provides consulting on technical concerns and priorities. Devises and/or modifies procedures for managing complex task orders. Provides expert advice and technical leadership in a variety of subject areas including but not limited to: information engineering, information technology, database design, data warehousing, business process improvements, storage area networks, and other SDLC functions. Provides recommendations and alternatives to technical issues, prepares briefings and technical reports. Coordinates with technical staff to ensure that all aspects of the task are consistent and compatible with industry practices, terms, and procedures. Provides technical direction for personnel. Reviews work for corrections, adherence to standards, quality assurance requirements, and for progress in accordance with schedules. Coordinates with contractor management, other contractor technical specialists and government project managers to ensure problem resolution and user satisfaction.

Minimum Education: Bachelors Degree

Minimum Experience: 8 Years

Sr. Technical Writer

Functional Responsibility: Interviews technical resources and reviews existing technical and functional artifacts to create, update, and publish technical documentation. Relevant documentation includes, but is not limited to: Requirements and Design Documents; Functional and Technical Specifications Documents; Standard Operating Procedures, Work Instructions, and operational checklists; test plans, cases, and scripts; and Policy and Standards. Directs and mentors team members, interfaces with technical and client management to assess requirements, resource assignments, gaps, etc. Coordinates information gathering sessions and documentation reviews with stakeholders, independently

researches and evaluates topic areas, and reviews and provides updates/edits to drafted technical documentation.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Sr. Web Developer

Functional Responsibility: Provides technical direction and subject matter expertise in any of the following disciplines: web software engineering, programming, database management, application development, system administration, and other web related IT activity. Serves as technical expert in web technologies and related subject areas. Coordinates and manages the preparation of analyses, evaluations, and recommendations. Defines problems and analyzes and develops plans and requirements in the web subject matter area for complex systems/programs. Demonstrates creativity and innovation in developing and applying advanced techniques and solutions. Provides support to develop web based applications including online (self-service) provision. Provide support in developing the site concept, interface design, and architecture of web based applications. Maintains knowledge of multiple web technologies. Oversees or performs all web programming functions to accomplish specific software requirements. Overseas and verifies the accuracy and validity of all web software developed, including the preparation of test data and the execution of program, job stream and system testing. Demonstrates technical responsibility for the design, implementation, maintenance, and Federal compliance of websites.

Minimum Education: Bachelors Degree

Minimum Experience: 10 Years

Subject Matter Expert

Functional Responsibility: Technical or business area expert in one or more disciplines to address a particular task or environment need. Provides expert advice and assistance in state- of-the-art software/hardware solutions involving hardware of various capacities, operating environments, database management systems and complex software tools or packages. Works with senior client management to identify improvement goals, assess organizational or process effectiveness, and implement change strategies. Designs technical and business solutions, mentors and trains client staff, and oversees implementation. Maintains a high level of technical and industry experience related to studying and analyzing system needs, systems development, and systems process analysis, design and reengineering. Has skills and experience related to business management, systems engineering, and management engineering. Has specialization in a particular technology or business application. Keeps abreast of technological developments and industry trends.

Minimum Education: Masters Degree

Minimum Experience: 10 Years

Systems Engineer

Functional Responsibility: Provides technical guidance for directing and monitoring information systems operations. Designs, builds, and implements computer systems. Understands functional and technical specifications and requirements. Directs compilation of records and reports concerning network operations and maintenance. Troubleshoots system performance issues including hardware and

software failures including communication with impacted constituents. Analyzes technical and , peripherals, services, settings, directories, storage, etc. in accordance with operational requirements. Manages the testing, installation, and support of system components, including network, server, database, application, and code modules including analysis and monitoring. Performs system-level design and configuration of products including determination of hardware, OS, and other platform specifications. Performs a variety of systems engineering tasks and activities that are broad in nature and are concerned with major systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides assistance and oversight for all information systems operations activities, including computer and telecommunications/communications operations, data entry, data control, network administration and operations support, operating systems programming, system security policy procedures, and/or web strategy and operations. Utilizes software and hardware tools and identifies and diagnoses complex problems and factors affecting overall system and subsystem component performance.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Technical Architect

Functional Responsibility: Technical or business area experience in one or more disciplines to address a particular task or environment need. Provides advice and assistance in state-of-the-art software/hardware solutions involving hardware of various capacities, operating environments, database management systems and complex software tools or packages. Works with client to identify improvement goals, assess organizational or process effectiveness, and implement change strategies. Designs technical and business solutions. Maintains a high level of technical and industry experience related to studying and analyzing systems needs, systems development, and systems process analysis, design and reengineering. Has skills and experience related to business management, systems engineering, and management engineering. Has specialization in a particular technology or business application. Keeps abreast of technological developments and industry trends.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Technical Specialist

Functional Responsibility: Analyzes management, business, and technical issues related to the technical management of task orders for information systems projects. Assists in formulating systems scope and objectives. Provides consulting on technical concerns and priorities. Provides expert advice and technical leadership in a variety of subject areas including but not limited to: information engineering, information technology, database design, data warehousing, business process improvements, storage area networks, and other SDLC functions. Provides recommendations and alternatives to technical issues, prepares briefings and technical reports. Coordinates with technical staff to ensure that all aspects of the task are consistent and compatible with industry practices, terms, and procedures. Provides technical direction for personnel. Reviews work for corrections, adherence to standards, quality assurance requirements, and for progress in accordance with schedules.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Technical Writer

Functional Responsibility: Interviews technical resources and reviews existing technical and functional artifacts to create, update, and publish technical documentation. Relevant documentation includes, but is not limited to: Requirements and Design Documents; Functional and Technical Specifications Documents; Standard Operating Procedures, Work Instructions, and operational checklists; test plans, cases, and scripts; and Policy and Standards. Coordinates information gathering sessions and documentation reviews, independently researches and evaluates topic areas, and reviews and provides updates/edits to established technical documentation.

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Training Specialist

Functional Responsibility: Organizes, prepares, and conducts complex training and educational programs for information systems or user personnel. Maintains records of training activities, employee progress, and program effectiveness. May develop instructional curriculum and materials; gathers and assimilates information on subject matter, organizes and condenses material, and prepares course outline, handouts, and visual aid materials. Coordinates with subject matter experts to ensure that prepared courses meet stated objectives. May be required to instruct or to arrange automated training materials (such as video training, intranet, web enabled, or various information technology aided tutorials).

Minimum Education: Bachelors Degree

Minimum Experience: 3 Years

Training Specialist II

Functional Responsibility: Organizes, prepares, and conducts complex training and educational programs for information systems or user personnel. Maintains records of training activities, employee progress, and program effectiveness. Competent to work at the highest level of all phases of information systems training. May develop instructional curriculum and materials; gathers and assimilates information on subject matter, organizes and condenses material, and prepares course outline, handouts, and visual aid materials. Coordinates with subject matter experts to ensure that prepared courses meet stated objectives. May be required to instruct or to arrange automated training materials (such as video training, intranet, web enabled, or various information technology aided tutorials).

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Web Developer

Functional Responsibility: Designs and builds web sites 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 effort to enhance the look and feel of the organization's offerings. Designs the website to support the organization's strategies and goals relative to external communications. Familiar with various web content management systems. Designs, develops, troubleshoots, debugs, and implements software code for components 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. Maintains strong navigation and site design instincts. Performs web programming functions to accomplish specific software requirements. Verifies the accuracy and validity of all web software developed, including the preparation of sample test data and the execution of program, job stream and system testing. Prepares flowcharts, diagrams and other required documentation indicating required computations and sequence of machine operations. Demonstrate technical responsibility for the design, implementation, maintenance, and Section 508 compliance of websites and a website that is accessed by Internet users outside the organization.

Minimum Education: Bachelors Degree

Minimum Experience: 5 Years

Experience & Degree Substitution Equivalencies

The following experience and educational equivalency table applies for the outlined labor categories:

Labor Category	Site	Standard Qualifications		Substitution				
		Min Edu	Min Exp	PhD	Masters	Bachelors	Associates	High School
Application Developer	Both	Bachelors	5	1	3	5	7	9
Backup Engineer	Both	Bachelors	5	1	3	5	7	9
Business Analyst	Both	Bachelors	5	1	3	5	7	9
Database Administrator	Both	Bachelors	3	0	1	3	5	7
Database Developer	Both	Bachelors	5	1	3	5	7	9
Enterprise Architect	Both	Bachelors	8	4	6	8	10	12
IA Specialist I	Both	Bachelors	3	0	1	3	5	7
IA Specialist II	Both	Bachelors	5	1	3	5	7	9
IA Specialist III	Both	Bachelors	7	3	5	7	9	11
IA Specialist IV	Both	Bachelors	10	6	8	10	12	14
Information Engineer	Both	Bachelors	5	1	3	5	7	9
IT Security Specialist I	Both	Bachelors	1	0	0	1	3	5
IT Security Specialist II	Both	Bachelors	3	0	1	3	5	7

		Standard Qualifications		Substitution				
IT Security Specialist III	Both	Bachelors	5	1	3	5	7	9
Jr. Application Developer	Both	Bachelors	3	0	1	3	5	7
Jr. Quality Assurance Analyst	Both	Bachelors	3	0	1	3	5	7
Management Analyst	Both	Bachelors	1	0	0	1	3	5
Principal Engineer	Both	Bachelors	10	6	8	10	12	14
Principal Technical Architect	Both	Bachelors	8	4	6	8	10	12
Program Management Specialist I	Both	Bachelors	1	0	0	1	3	5
Program Management Specialist II	Both	Bachelors	3	0	1	3	5	7
Program Management Specialist III	Both	Bachelors	5	1	3	5	7	9
Program Management Specialist IV	Both	Bachelors	8	4	6	8	10	12
Project Manager	Both	Bachelors	8	4	6	8	10	12
QA Engineer	Both	Bachelors	8	4	6	8	10	12
Quality Assurance Analyst	Both	Bachelors	5	1	3	5	7	9
Sr. Application Developer	Both	Bachelors	10	6	8	10	12	14
Sr. Business Analyst	Both	Bachelors	7	3	5	7	9	11
Sr. Database Administrator	Both	Bachelors	8	4	6	8	10	12
Sr. Database Developer	Both	Bachelors	10	6	8	10	12	14
Sr. Engineer	Both	Bachelors	5	1	3	5	7	9
Sr. Information Engineer	Both	Bachelors	5	1	3	5	7	9
Sr. Project Manager	Both	Bachelors	12	8	10	12	14	16
Sr. Storage Engineer	Both	Bachelors	4	0	2	4	6	8
Sr. Systems Engineer	Both	Bachelors	5	1	3	5	7	9

		Standard Qualifications		Substitution				
Sr. Technical Architect	Both	Bachelors	5	1	3	5	7	9
Sr. Technical Specialist	Both	Bachelors	8	4	6	8	10	12
Sr. Technical Writer	Both	Bachelors	5	1	3	5	7	9
Sr. Web Developer	Both	Bachelors	10	6	8	10	12	14
Subject Matter Expert	Both	Masters	10	8	10	12	14	16
Systems Engineer	Both	Bachelors	3	0	1	3	5	7
Technical Architect	Both	Bachelors	3	0	1	3	5	7
Technical Specialist	Both	Bachelors	5	1	3	5	7	9
Technical Writer	Both	Bachelors	3	0	1	3	5	7
Training Specialist	Both	Bachelors	3	0	1	3	5	7
Training Specialist II	Both	Bachelors	5	1	3	5	7	9
Web Developer	Both	Bachelors	5	1	3	5	7	9

Software Descriptions SIN 511210

Software	Unit of Issue	Description
Perpetual Software - MX RUGG	EA	MX SERVER Application Server Hardware (to host MX-BASE)
Perpetual Software - MX BASE	EA	MX SERVER v3.0 Base Configuration (includes five MXSERVER virtual machines
Perpetual Software - MX SCALE	EA	MX SERVER Scaling Unit
Perpetual Software - MX SFRT	EA	Standard Face Recognition Templates (per 20,000)
Perpetual Software - MXPFRT	EA	PremiumFace Recognition Templates (per 20,000)

Maintenance Descriptions SIN 54151

Maintenance	Unit of Issue	Description
Term Software - MX MAINT BASE	YR	Annual Maintenance for MX SERVER Application Server Software v1.0 and Options (18% of initial licensing costs)
Term Software - MX MAINT SCALE	YR	Annual Maintenance for MX SERVER Application Server Software v1.0 and Options (18% of initial licensing costs)

MXSERVER is a server-based solution which utilizes a cloud-based platform to process vast amounts of video and photo collections quickly - automatically discovering, grouping, and extracting segments depicting people. Using face recognition technology, MXSERVER searches media archives to find other assets which depict an individual of interest. MXSERVER also enables digital media content to be efficiently searched, previewed, and analyzed via an intuitive web-based user interface. See attached data sheet for more detail.

Annual Software Maintenance License (optional): An annual software maintenance license is currently available at a cost equal to 20% of the initial MXSERVER licensing fee (pricing subject to change).

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

Annual maintenance and support of software does NOT include the creation, design, implementation, integration, etc. of a customized software package, hardware repairs or customer-site technical support.

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Attachment A – MXSERVER System Configuration

MXSERVER software licenses are sold in two configurations. A Base Package Configuration is needed to stand up an instance of MXSERVER. Additional processing capacity can be purchased in the form of MXSERVER Scaling Units. A description of these two configurations is provided below.

Base Package:
The base package includes the software required to deploy the minimum recommended configuration of MXSERVER. It includes the following components: MXSERVER Application Server (4-core), MXSERVER Database Server (4-core), and four (4) MXSERVER Workers (4-core). This package includes other third-party software licenses (face finding, face recognition, pose correction). Other required software (purchased separately) includes Windows Server OS, virtualization environment, and SQL Server 2019 Standard Edition. Recommended hardware (purchased separately) includes server(s) with 32 processor cores and minimum of 32GB RAM, 1GB network switch and 10TB of External Disk Storage. The base package can process a minimum of 100 hours of high-definition video per day using the manufacturer's recommended configuration.
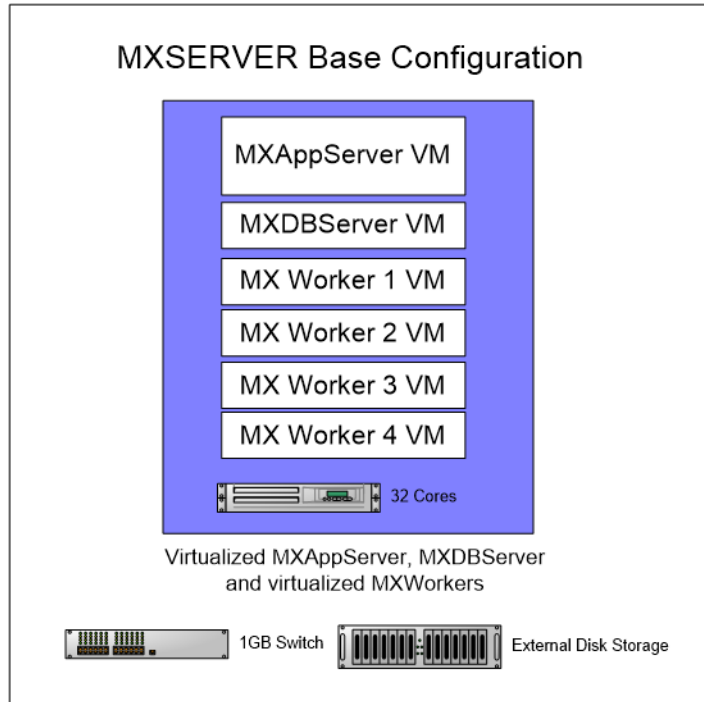

Figure 1: Standard Base Package

Additional Scaling Unit:
MXSERVER can be upscaled to increase the system's capacity to either, 1) process/search greater amounts of digital video/photos, or 2) process/search videos/photos more quickly. Expanding the system's capacity simply requires adding additional Worker Processing Hosts – which includes the software necessary to add two additional MXSERVER Worker VMs (4-core). Other required software (purchased separately) includes Windows Server OS and virtualization environment. Required hardware (purchased separately) includes server with 8 processor cores and minimum of 8GB RAM.
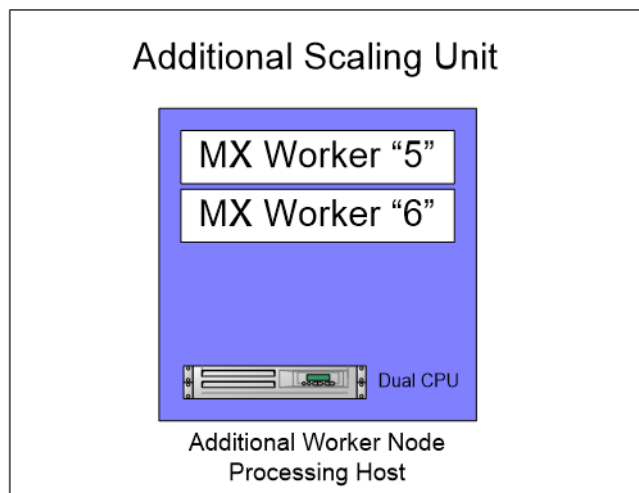

Figure 2: Additional Scaling Unit Configuration