

**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: [www.GSAAdvantage.gov](http://www.GSAAdvantage.gov).*

Schedule Title: Multiple Award Schedule (MAS)

FSC Group: Information Technology  
FSC/PSC Codes: DA01

Contract Number: 47QTCA18D004R

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

Contract Period: December 29, 2017 – December 28, 2022

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**FOTIS NETWORKS, LLC**  
**An InterVision Systems, LLC Company**

5 North Meadows Road, Unit 1B  
Medfield, MA 02052

Phone Number: (617) 655-5010

Toll Free: (888) 753-6847

Fax Number: (617) 454-1121

[www.fotisnetworks.com](http://www.fotisnetworks.com)

Contact for contract administration: Lee Germino, Service Delivery Operations Analyst

Email: [lgermino@intervision.com](mailto:lgermino@intervision.com)

Business size: Small, Veteran Owned Small Business

Current as of Modification Number PA-0006 effective February 18, 2021



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## CUSTOMER INFORMATION

- 1a. Table of awarded Special Item Numbers (SINs):

<u>SIN #</u>	<u>SIN Title</u>
54151S	Information Technology Professional Services
OLM	Order-Level Materials (OLM)

- 1b. Identification of the lowest priced service for each special item number awarded in the contract.

<u>SIN #</u>	<u>Labor Category</u>	<u>Price</u>
54151S	Project Administrator	\$67.70

- 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.

**See page 7**

2. Maximum order for each SIN:

<u>SIN#</u>	<u>MAXIMUM ORDER*</u>
54151S	\$ 500,000
OLM	\$ 250,000

\*If the best value selection places your order over the 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 (delivery area): **Worldwide**
5. Point(s) of production: **5 North Meadows Road, Unit 1B, Medfield, MA 02052**
6. Discount from list prices or statement of net price: **Net prices shown (discounts applied)**
7. Quantity discounts: **1% on individual task orders exceeding \$100,000**
8. Prompt payment terms: **1%, 10 days; 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: **Not applicable**
- 10a. Time of delivery: **As negotiated**
- 10b. Expedited delivery: **As negotiated**
- 10c. Overnight and 2-day delivery: **As negotiated**



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- 10d. Urgent requirements: **Contact Contractor**
- 11. F.O.B. point(s): **Destination**
- 12a. Ordering address(es): **Same as Contractor**
- 12b. Ordering procedures: **For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition Regulation (FAR) 8.405-3.**
- 13. Payment address: **Same as Contractor**
- 14. Warranty provision: **Not applicable**
- 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 indicating date of parts price lists and any discounts from list prices: **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. Preventative maintenance: **Not applicable**
- 22a. Special attributes such as environmental attributes: **Not applicable**
- 22b. Section 508 compliance: **If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following: [www.Section508.gov/](http://www.Section508.gov/).**
- 23. Data Universal Number System (DUNS) number: **133307129**
- 24. Notification regarding registration in the System for Award Management (SAM) database.  
**Registered and active in SAM**



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### GSA PRICING

SIN	Labor Category Title	Year 1 12/29/17 - 12/28/18	Year 2 12/29/18 - 12/28/19	Year 3 12/29/19 - 12/28/20	Year 4 12/29/20 - 12/28/21	Year 5 12/29/21 - 12/28/22
54151S	Program Manager	\$ 128.09	\$ 131.54	\$ 135.10	\$ 138.74	\$ 142.49
54151S	Program Manager - Senior	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Project Administrator	\$ 63.70	\$ 65.42	\$ 67.19	\$ 69.01	\$ 70.87
54151S	Project Specialist	\$ 84.23	\$ 86.50	\$ 88.84	\$ 91.24	\$ 93.70
54151S	Technical Project Manager	\$ 128.09	\$ 131.54	\$ 135.10	\$ 138.74	\$ 142.49
54151S	Technical Project Lead - Senior	\$ 194.80	\$ 200.06	\$ 205.46	\$ 211.01	\$ 216.71
54151S	Network Engineer	\$ 84.23	\$ 86.50	\$ 88.84	\$ 91.24	\$ 93.70
54151S	Network Engineer - Senior	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Network Engineer - Principal	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Network Engineer - SME	\$ 228.70	\$ 234.88	\$ 241.22	\$ 247.73	\$ 254.42
54151S	Systems Architect - Principal	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Enterprise Architect	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Enterprise Architect - Senior	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Enterprise Architect - Principal	\$ 169.40	\$ 173.97	\$ 178.67	\$ 183.50	\$ 188.45
54151S	Enterprise Architect - SME	\$ 278.50	\$ 286.02	\$ 293.75	\$ 301.68	\$ 309.82
54151S	Network Architect - SME	\$ 269.00	\$ 276.27	\$ 283.72	\$ 291.39	\$ 299.25
54151S	Quality Assurance Manager	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Quality Assurance Analyst	\$ 73.25	\$ 75.23	\$ 77.26	\$ 79.34	\$ 81.49



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SIN	Labor Category Title	Year 1 12/29/17 - 12/28/18	Year 2 12/29/18 - 12/28/19	Year 3 12/29/19 - 12/28/20	Year 4 12/29/20 - 12/28/21	Year 5 12/29/21 - 12/28/22
54151S	Information Security Analyst	\$ 128.09	\$ 131.54	\$ 135.10	\$ 138.74	\$ 142.49
54151S	Information Security Analyst - Senior	\$ 158.74	\$ 163.03	\$ 167.43	\$ 171.95	\$ 176.59
54151S	Systems Security Architect	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Systems Security Architect - Senior	\$ 163.22	\$ 167.62	\$ 172.15	\$ 176.80	\$ 181.57
54151S	Systems Security Architect - Principal	\$ 184.98	\$ 189.97	\$ 195.10	\$ 200.37	\$ 205.78
54151S	Systems Security Architect - SME	\$ 269.00	\$ 276.27	\$ 283.72	\$ 291.39	\$ 299.25
54151S	Cybersecurity Engineer	\$ 73.25	\$ 75.23	\$ 77.26	\$ 79.34	\$ 81.49
54151S	Cybersecurity Engineer - Senior	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Cybersecurity - Principal	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86
54151S	Cybersecurity - SME	\$ 269.00	\$ 276.27	\$ 283.72	\$ 291.39	\$ 299.25
54151S	Systems Administrator	\$ 73.25	\$ 75.23	\$ 77.26	\$ 79.34	\$ 81.49
54151S	Communications Analyst - Intermediate	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Communications Analyst - Senior	\$ 128.09	\$ 131.54	\$ 135.10	\$ 138.74	\$ 142.49
54151S	Data Communications Manager	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Voice Communications Manager	\$ 128.09	\$ 131.54	\$ 135.10	\$ 138.74	\$ 142.49
54151S	Unified Communications Engineer	\$ 84.23	\$ 86.50	\$ 88.84	\$ 91.24	\$ 93.70
54151S	Unified Communications Engineer - Senior	\$ 96.85	\$ 99.46	\$ 102.15	\$ 104.91	\$ 107.74
54151S	Unified Communications Engineer - Principal	\$ 147.30	\$ 151.28	\$ 155.36	\$ 159.56	\$ 163.86



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SIN	Labor Category Title	Year 1 12/29/17 - 12/28/18	Year 2 12/29/18 - 12/28/19	Year 3 12/29/19 - 12/28/20	Year 4 12/29/20 - 12/28/21	Year 5 12/29/21 - 12/28/22
54151S	Unified Communications Engineer - SME	\$ 250.52	\$ 257.29	\$ 264.24	\$ 271.37	\$ 278.70
54151S	Network Technician	\$ 69.60	\$ 71.48	\$ 73.41	\$ 75.40	\$ 77.43
54151S	Network Technician - Senior	\$ 84.21	\$ 86.48	\$ 88.82	\$ 91.22	\$ 93.68

### **OCONUS Labor**

Fotis Networks' rates are for CONUS efforts only.

For OCONUS efforts, Fotis Networks will adjust its labor rates by the applicable Department of State and Department of Defense practices for deployed personnel.

Other related international expenses required to support employees OCONUS (including but not limited to, special space costs, taxes, Defense Base Act (DBA) Workers' Compensation insurance, travel accident insurance, and possible telecommunications costs) may be charged as ODCs in our task order proposals.

OCONUS efforts will be negotiated specifically with ordering activities on an individual task order basis.

### **NOTES:**

1. The above listed rates are effective for 12 months from the end of the previous 12-month period.
2. The above listed rates shall be escalated 2.7% per annum, or in accordance with the BLS ECI for Total Compensation for Professional Specialty with special consideration for the Information Technology Industry, whichever is higher.



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### LABOR CATEGORY DESCRIPTIONS

SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Program Manager	Plan, organize and direct the efforts of a program team; serve as on-site focal point for technical and administrative matters; ensure all data submittals are complete, correct and in accordance with contract prior to submittal; and track financial data of individual tasks. Must possess significant related management experience. Serve as senior executive focal point for all projects within the program. Responsible for all contractual, staffing, financial, performance and delivery issues.	Bachelor's Degree	8-10
54151S	Program Manager – Senior	Responsible for integrating multiple IT projects into a coherent overall Program Plan. Ensure that quality assurance and total quality management practices are implemented with regard to the overall contract. Responsible for the financial accountability of the program/contract. Must possess significant related management experience over multiple projects and at least twelve years of relevant industry experience. Serve as senior executive focal point for all projects within the program. Responsible for all contractual, staffing, financial, performance and delivery issues.	Bachelor's Degree	10-12
54151S	Project Administrator	Generate documents and spreadsheets utilized in status reports, trip reports, briefings, etc. Perform contract deliverable tracking, resource movement tracking, and travel administration. Assist the Program Management staff on tasks related to the administration of the task/delivery order. Must be experienced in the development and administration of project plans and schedules through the use of computer-based scheduling software.	Bachelor's Degree	2



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Project Specialist	Proficient in writing style, punctuation, grammar and format. Experienced in creating technical documents using appropriate computer-based software desktop publishing packages, including but not limited to, Excel, Adobe PageMaker, Ventura, Quark, etc. Train client personnel in subject matter related to information technology. May develop IT course materials. Provide support to data processing and service functions including: 1) documenting IT programs and processes; 2) processing, collecting, testing, maintaining and distributing program and systems documentation; 3) analyzing software code and anomalies; 4) collecting raw information, preparing flow charts, and coding in program languages; and 5) word processing support of technical writers and engineers in the preparation of program documentation. Prepare documentation and reports either in standard textual format and/or using commercial software packages to prepare multimedia documents.	Bachelor's Degree	5-8
54151S	Technical Project Manager	Lead the design, development and maintenance of IT projects including developing layout and detailed drawings, preparing written specifications, performing design calculations and developing cost estimates. Plan, design, develop, modify, test and support software applications/interfaces as well as translate design and program specifications into functioning software code. Coordinate project needs with other design disciplines. Investigate project design alternatives as identified by other design disciplines. Perform research for the identification of acceptable materials or equipment. Perform on-site inspection of projects. Serve as senior technical focal point for all projects within the program responsible for all contractual, staffing, financial, performance and delivery issues.	Bachelor's Degree in an engineering discipline	10-12





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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Technical Project Lead – Senior	Must possess exceptional expertise in an IT discipline/technology or specific functional area related to IT (environmental compliance, for example). Must possess a thorough knowledge of design requirements and operational procedures for IT systems, applications and relational databases. Assist the Program Manager in identifying all required system/software/design changes to be incorporated into project documents as well as configuration management databases. Provide oversight and technical review of project tasks and provide functional analysis in order to achieve optimal design configurations. Interpret various regulations, policies and other constraints and assess their impact on project costs.	Bachelor's Degree in an engineering discipline	15-20
54151S	Network Engineer	Plan, design, develop, install, modify, and test networks. Translate system/subsystem designs and detailed designs into fully functioning and architecturally-compliant networks. Provide advice on differing networking implementations and designs. Provide problem resolution, compliance testing and design recommendations. Possess hands-on experience with internetworking equipment to include configuration, installation and/or troubleshooting. Work with senior technical and user staff in either a hands on or consultative role on their projects. Provide assistance and guidance to less experienced contractor technical staff.	Bachelor's Degree in either an engineering discipline or working towards or possessing equivalent industry certification	2-5



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Network Engineer – Senior	Under general direction, design, configure, test, implement and maintain telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolve network and processor problems. Must be familiar with hardware and software diagnostic tools. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensure the successful delivery of the project requirements.	Bachelor's Degree in either an engineering discipline or equivalent industry certification	5-8
54151S	Network Engineer – Principal	Provide technical leadership in the design, configuration, testing, implementation and maintenance of telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolve network and processor problems. Must be familiar with hardware and software diagnostic tools. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.	Bachelor's Degree in either an engineering discipline or equivalent industry certification	10-15



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Network Engineer – Subject Matter Expert (SME)	Must have recognized technical expert in the design, configuration, testing, implementation and maintenance of telecommunications capabilities, including wide area and local area networks. Perform operations and support activities. Assist applications programmers working in the telecommunications environment. Evaluate network changes for operational impact. Evaluate network performance and resolve network and processor problems. Must be familiar with hardware and software diagnostic tools. Must be highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must have a high level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.	Master's degree in computer science, information systems, engineering, or related discipline	20
54151S	Systems Architect – Principal	Provide overall technical direction in systems engineering and in the development of information technology architectures for a variety of software and communications programs. Evaluate organizational work and information flows to determine the optimum information technology architecture for the domain or enterprise. Establish system requirements in the development of enterprise-wide or large-scale information technology programs. Design software, hardware, and communications to support total requirements and provide required interfaces to other systems, domains, or enterprises. Provide guidance and direction to system architects and software developers.	Bachelor's Degree Master's Degree Ph. D	10-15 10 8



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Enterprise Architect	Establish system information requirements using analysis of the information engineer(s) in the development of enterprise-wide or large-scale information systems. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	5-8
54151S	Enterprise Architect – Senior	Establish system information requirements using analysis provided by the information engineer(s) in the development of enterprise-wide or large-scale information systems. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	10-15



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Enterprise Architect – Principal	<p>Provide technical leadership in establishing system information requirements using analysis provided by the information engineer(s) in the development of enterprise-wide or large-scale information systems. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. May be required to act as a technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.</p>	Bachelor's degree in computer science, information systems, engineering, or related discipline	15-20



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Enterprise Architect – SME	Must be a recognized technical expert in establishing system information requirements using analysis provided by the information engineer(s) in the development of enterprise-wide or large-scale information systems. Must be the highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must possess high level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	20



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Network Architect – SME	Must be a recognized technical expert in defining and integrating various Networking Components (i.e., firewalls, load balancing, port connectivity, security, monitoring) into a structured, repeatable and hierarchical environment. Responsibilities include designing and building out data center and large campus environments. Additional responsibilities include the design and implementation of large wide area networks using advanced routing protocols such as BGP, EIGRP and OSPF. Must possess familiarity with additional WAN technologies to include MPLS, DMVPN, ATM and Frame Relay. Evaluate the impact of proposed solutions on the network, and be responsible for ensuring that design and implementation fits architectural guidance. Must be the highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must possess a high level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.	Master's degree in computer science, information systems, engineering, or related discipline	20
54151S	Quality Assurance Manager	Perform analysis of quality processes. Establish, implement, and maintain processes for evaluating quality in all aspects of the software development life cycle. Determine the resources needed for a quality assurance or quality control program. Conduct reviews of quality throughout the life cycle of a system or program. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	5-8
54151S	Quality Assurance Analyst	Provide technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and user standards, and for progress in accordance with schedules. Coordinate with the Program Manager to ensure problem solution and user satisfaction. Make recommendations, if needed, for approval of major systems installations. Prepare status reports and deliveries on the system concept to colleagues, subordinates, and end- users. May provide daily supervision and direction to support staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	2-5



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Information Security Analyst	Apply an enterprise-wide set of disciplines for program planning, analysis, secure system architecture and design, integration, and security testing across major enterprise segments. Develop information assurance analytical methodologies, approaches, techniques, processes, procedures, and schedules development of subsystems or small- to medium-sized systems. Perform enterprise-wide information assurance strategic planning, security policy development and requirements identification. Must possess experience in threat assessment, vulnerability analysis, system testing, enterprise-wide security-related countermeasure selection and implementation, security documentation, and system/network risk migration. Responsible for managing security implementation for developing and legacy systems/networks.	Bachelor's degree in computer science, information systems, engineering, or related discipline	8-10
54151S	Information Security Analyst – Senior	Apply an enterprise-wide set of disciplines for program planning, analysis, secure system architecture and design, integration, and security testing across major enterprise segments. Develop information assurance analytical methodologies, approaches, techniques, processes, procedures, and schedules development of subsystems or small- to medium-sized systems. Must possess experience in threat assessment, vulnerability analysis, risk assessment and system/network risk migration. Responsible for managing security implementation for developing and legacy systems/networks.	Bachelor's degree in computer science, information systems, engineering, or related discipline	8-10
54151S	Systems Security Architect	Lead developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise and system level security requirements. Propose technical solutions for systems and applications-level security architecture and design. Develop security plans, policies and procedures.	Bachelor's degree in computer science, information systems, engineering, or related discipline	10-15





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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Systems Security Architect – Senior	Under general direction, lead developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise and system level security requirements. Propose technical solutions for systems and application-level security architecture and design. Develop security plans, policies and procedures. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensure the successful delivery of the project requirements. May be required to act as a technical supervisor.	Bachelor's degree in computer science, information systems, engineering, or related discipline	15-20
54151S	Systems Security Architect – Principal	Provide technical leadership in developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise-and system-level security requirements. Propose technical solutions for systems and application-level security architecture and design. Develop security plans, policies and procedures. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. May be required to act as a technical supervisor.	Bachelor's degree in computer science, information systems, engineering, or related discipline	20



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Systems Security Architect – SME	Must be a recognized technical expert in developing, implementing, and maintaining enterprise-wide information security capabilities. Analyze the enterprise business models and IT systems to determine security risks and risk management considerations. Define enterprise- and system-level security requirements. Propose technical solutions for systems and application-level security architecture and design. Develop security plans, policies and procedures. Must be the highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must have a high level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends.	Master's degree in computer science, information systems, engineering, or related discipline	20
54151S	Cybersecurity Engineer	Perform assessment of present levels of cybersecurity, define acceptable levels of risk, train all personnel in proper cyber hygiene and establish formal maintenance procedures. Perform privacy impact assessments and provide PII data security, monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats.	Bachelor's degree in computer science, information systems, engineering, or related discipline	2



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Cybersecurity Engineer – Senior	Under general direction, perform assessment of present levels of cybersecurity, define acceptable levels of risk, train all personnel in proper cyber hygiene and establish formal maintenance procedures. Perform privacy impact assessments and provide PII data security, monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensure the successful delivery of the project requirements. May be required to act as a technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. As appropriate, ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	5-8



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Cybersecurity – Principal	Provide technical leadership in performing assessment of present levels of cybersecurity, define acceptable levels of risk, train all personnel in proper cyber hygiene and establish formal maintenance procedures. Perform privacy impact assessments and provide PII data security, monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Apply this leadership in any phase of the system development life cycle support as task requirements dictate and may have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices. Act as technical supervisor. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensure that these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Bachelor's degree in computer science, information systems, engineering, or related discipline	10-15



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Cybersecurity – SME	Must be a recognized technical expert in performing assessments of present levels of cybersecurity. Define acceptable levels of risk, train all personnel in proper cyber hygiene and establish formal maintenance procedures. Perform privacy impact assessments and provide PII data security, monitoring, and migration strategies. Identify potential vulnerabilities to cyber and information security using penetration testing and red teams. Provide technologies for identification, modeling, and predictive analysis of cyber threats. Must be the highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must have a high level of diverse technical and industry experience related to a specific skill set. Keep abreast of technological developments and industry trends. Design architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Ensure these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as the Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of the Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Evaluate analytically and systematically problems of workflows, organization, and planning, and develop appropriate corrective action. Provide daily supervision and direction to staff.	Master's degree in computer science, information systems, engineering, or related discipline	20
54151S	Systems Administrator	Responsible for the technical administration of a server-based computer system. Oversee the day-to-day activities for the system and be responsible for all applications present on the system. Administer related systems, including security, communications, software applications, electronic mail, bulletin boards, printing services, outside communication links, licensing, and any other initial troubleshooting. Maintain server management records.	Bachelor's degree in computer science, information systems, engineering, or related discipline	2-5



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Communications Analyst – Intermediate	Responsible for supporting the delivery of technical solutions based upon established requirements of enterprise-wide or large-scale computer networks. Support design of computer network architecture. Establish general LAN/MAN/WAN administration procedures and provide technical leadership in the integration and testing of complex large-scale computer integrated networks. Schedule conversions and cut-overs. May oversee network control center.	Bachelor's degree in computer science, information systems, engineering, or related discipline	8-10
54151S	Communications Analyst – Senior	Apply communications/network improvement practices to establish requirements of enterprise-wide or large-scale computer networks. Design large-scale computer network architecture. Establish general LAN/MAN/WAN administration procedures and provide technical leadership in the integration and testing of complex large-scale computer-integrated networks. Oversee network control center. Supervise maintenance of systems. May supervise communication analysts.	Bachelor's degree in computer science, information systems, engineering, or related discipline	10-15
54151S	Data Communications Manager	Manage a team of data communication technicians and analysts who maintain and support data communication systems. Ensure that adequate and appropriate planning is provided for remote hardware and communications facilities. Develop and implement methodologies for analysis, installation, and support of distributed processing client/server systems. Provide coordination in the analysis, acquisition, and installation of hardware, software, and facilities. Manage the training and efforts of a staff engaged in system and network planning, analysis and monitoring activities. Frequently report to Telecommunications Department Director/Manager.	Bachelor's degree in computer science, information systems, engineering, or equivalent industry certification	5-8
54151S	Voice Communications Manager	Manage a team of voice communications technicians and analysts who maintain and support voice communication systems, including Automated Call Distribution (ACD), Call Management Systems (CMS), and Voice Mail, PBX, CBX. Identify issues and appropriate courses of action. Research and oversee implementation of new technologies. Must be familiar with a variety of the field's concepts, practices, and procedures. Must be knowledgeable in communication protocols and hardware (e.g. Lucent, Siemens, Nortel). Frequently report to Telecommunications Department Director/Manager.	Bachelor's degree in computer science, information systems, engineering, or equivalent industry certification	8-10



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Unified Communications Engineer	Create a single user interface for the combination of multiple media types into an integrated, unified network environment. (Media types include voice, video and data. All of these services are provided across an IP-based network.) Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network infrastructure along with application-specific infrastructure, and determine how all components interrelate. Responsible for ensuring that the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develop system-specific configurations based on stakeholder requirements.	Bachelor's degree in computer science, information systems, engineering, or related discipline	2-5
54151S	Unified Communications Engineer – Senior	Under general direction, create a single user interface for the combination of multiple media types into an integrated, unified network environment. (Media types include voice, video and data. All of these services are provided across an IP-based network.) Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network infrastructure along with application-specific infrastructure and determine how all components interrelate. Responsible for ensuring that the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develop system-specific configurations based on stakeholder requirements. Develop practical and workable solutions to clients' technical and business problems. Analyze requirements and potential solutions for technical and economic feasibility. Work on multiple phases of complex projects independently. Coordinate activities with superiors and client personnel to resolve technical and/or business issues and ensure the successful delivery of the project requirements.	Bachelor's degree in computer science, information systems, engineering, or related discipline	5-8



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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Unified Communications Engineer – Principal	Provide technical leadership to create a single user interface for the combination of multiple media types into an integrated, unified network environment. (Media types include voice, video and data. All of these services are provided across an IP-based network.) Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network infrastructure along with application-specific infrastructure and determine how all components interrelate. Responsible for ensuring that the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develop system-specific configurations based on stakeholder requirements. Apply this leadership in any phase of the system development life cycle support as task requirements dictate. May have a high level of expertise in one area. Plan, recommend, and perform changes. Utilize an accomplished knowledge of multiple technical disciplines, unique applications, and business management practices to develop technical and/or business solutions to client problems. Assist clients in planning and developing objectives and goals. Support client objectives while conforming to the client's operating practices.	Bachelor's degree in computer science, information systems, engineering, or related discipline	10-15





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SIN	Labor Category	Functional Responsibility	Education	Experience (Yrs.)
54151S	Unified Communications Engineer – SME	Recognized technical expert in creating a single user interface for the combination of multiple media types into an integrated, unified network environment. (Media types include voice, video and data. All of these services are provided across an IP-based network.) Responsible for the design and implementation of large enterprise systems supporting 25,000+ users. Configure network infrastructure along with application-specific infrastructure and determine how all components interrelate. Responsible for ensuring that the implementation meets required specifications as laid out in the design. Perform troubleshooting based on performance degradation and develop system-specific configurations based on stakeholder requirements. Must be highest-level individual contributor in at least one technical area. Utilize expertise in business management practices, industry requirements and information technology disciplines to develop technical and/or business solutions to client problems. Must have high level of diverse technical and industry experience related to a specific skill set. Typically has specialization in a particular technology or business application. Keep abreast of technological developments and industry trends.	Master's degree in computer science, information systems, engineering, or related discipline	20
54151S	Network Technician	Perform network installations and troubleshooting. Work independently on basic networking issues such as cable/plant layout and server/desktop installations. Possess working knowledge of at least one network operating system, preferably Microsoft NT. Work directly with end user customers. Perform network installations and troubleshooting.	Associate Degree in computer science, information systems, engineering, or related discipline with Cisco Certified Network Associate (CCNA) certification or equivalent.	3-5
54151S	Network Technician – Senior	Work independently on basic networking issues such as cable/plant layout and server/desktop installations. Possess working knowledge of at least one network operating system, preferably Microsoft NT. Work directly with end user customers. Perform network installations and troubleshooting.	Associate Degree in computer science, information systems, engineering, or related discipline with Cisco Certified Network Professional (CCNP) certification or equivalent.	5-8