

Click one of these links to see the Job Description for that class:

Job Code	Title
<a href="#">A07921</a>	<a href="#">State Network Technician</a>
<a href="#">A07922</a>	<a href="#">State Network Analyst</a>
<a href="#">A07923</a>	<a href="#">State Network Analyst/Senior</a>
<a href="#">A07925</a>	<a href="#">State Network Coordinator</a>

## Network Series

### Job Family

## State Network Technician

### A07921

**DISTINGUISHING CHARACTERISTICS:** (A position is assigned to this class based on the scope and level of work performed as outlined below.)

Under general supervision, performs a variety of technical network/system duties including the application of communication regulations and principles, the use of precision instruments and technical equipment, and the installation, diagnosis, and repair of network/system equipment, or serves as customer services support or communication systems installation coordinator; performs related work as assigned.

This is the first classification level of the network services class series for positions assigned to the State Network services section of the Office of the Chief Information Officer or the Educational Telecommunications Commission. Positions in this class work at full performance and handle hardware, software, and related installation and deployment and provide technical assistance/guidance and customer service to others in and outside the Network Services division. Positions in this class are typically not expected to perform full-fledged supervisory duties.

**EXAMPLES OF WORK:** (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

#### Network Support

- Provides day to day support for the operation and technical maintenance of a communication network/system. Seeks assistance from more senior technical staff, vendors, contractors, or others for unusual or complex problems as needed.
- Provides technical troubleshooting and diagnosis of network/system and equipment\*, facilities, and peripherals using specialized network system diagnostic equipment.\*\*
- Installs, repairs, modifies, and may calibrate electronic *network/system equipment\**.
- Programs features of *network/system equipment\**.
- Evaluates and tests used network/system equipment to determine if repairs are cost effective or surplus/disposal is warranted.
- Provides customer service to communication systems users.

- Completes work logs documenting services provided to customers. Returns work logs to supervisor for review, approval, and billing purposes.

#### Procurement and Research

- Picks up, delivers, and accepts delivery of vendor supplied *network/system equipment\**, materials, and supplies.
- Collects and records equipment inventory information, such as performing stock room inventories, agency site equipment inventories, communications equipment room inventories, cabling systems inventory.
- Evaluates new and existing network/system products.
- Attends in-service training programs and technical/professional workshops/conferences, reviews/researches technical journals/books/literature, and shares information with peers and other technical experts to learn/keep informed about modified procedures or techniques and new
- Advances in a field of study and to identify available best practices, technologies, methodologies, and equipment pertinent to work assigned.

#### Training

- Provides one-on-one assistance to customers on the use of hardware and software. May provide informal training or instruction to customer/user.
- Receives training as needed to perform duties of a higher-level position.
- Provides assistance to end users in the operation of network/system hardware and software.

#### Network System Implementation

- Reads and interprets network/system diagrams, verbal, or written communications orders, building blueprints and floor plans, and technical specifications to perform the installation and diagnosis of *network/system equipment\**.

*\*Network/System Equipment such as: Centrex, PBX, switches, routers, hubs, load balancers, firewalls, intrusion detection devices, base stations, towers, pagers, antenna systems, modems, CSU/DSU's, cellular phones, wireless communication devices/services, video conferencing, cabling systems, closed circuit television, SMDR units, power supplies (battery backup units – UPS's) ACD, UCD, CTI, call accounting systems, call center systems, voice mail systems, voice processing system, and related communication network and computer hardware/software; and other equipment and tools such as vehicles/vans, soldering tools, hammer drills, tape measures, screwdrivers, pliers, crimpers.*

*\*\*Network/System Diagnostic Equipment such as: network assessment and encryption software, computer terminal, optical time domain reflectometer, microtest ring scanner, sumitomo fusion splicer, network devices link tester, panduit label maker, telephone test set, tone generators, levels punch down tool, tone tracers, installer's analog and digital test sets, volt/OHM meters, protocol analyzers, bit error rate testers.*

#### KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)

Knowledge of: basic network/system and electronics equipment, instruments, devices, and tools used in the repair of network/system and electronics equipment, customer service techniques

Ability to: perform tasks of installing network/system equipment including ability to: hear, climb, squat, bend, reach, twist, grasp, push, pull, kneel, lift hand over head, stand for periods of time, walk distances; install, diagnose, and repair network/system equipment; calculate solutions to mathematical problems; communicate verbally and in writing with coworkers; interact with others.

MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Technical training in network/system or electronic equipment usage and repair or related discipline of study OR work experience related to using, maintaining, and repairing communication/electronic equipment.

LEGAL REQUIREMENTS: (These qualifications are mandated by federal/state laws, statutes, and/or regulations.)

[Return to Specification List](#)

## State Network Analyst

A07922

DISTINGUISHING CHARACTERISTICS: (A position is assigned to this class based on the scope and level of work performed as outlined below.)

Under limited supervision, performs a variety of technical network/system duties including the application of network communications regulations and principles, the use of precision instruments and technical equipment, and the installation, diagnosis, repair, and calibration of communications equipment; may supervise or lead other technical or analyst workers as needed; performs related work as assigned.

This is the second classification level of the network services class series for positions assigned to the State Network section of the Office of the Chief Information Officer or the Educational Telecommunications Commission. Positions in this class independently perform journey level work at full performance. Work involves configuration and alterations of the Government wide/State wide network. Positions in this class advise customers regarding the capacity, cost, and placement of the network/systems, and provide limited network solutions in circumstances where decisions are made within established parameters. This class may serve as a supervisor of technician level or lead other analyst level staff in the installation of facilities, infrastructure, and services including determining priorities, assigning, scheduling, and evaluating the work of others.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

### Network Support

- Coordinates and maintains daily and on-going operations and maintenance of the state government/state-wide communication network system by installing, programming, upgrading, repairing, configuring, and modifying components to optimize network performance. Calibrates *network/system equipment\**. Assists in Government wide/State wide network/system planning and design.
- Schedules installations and service orders. Coordinates installation and maintenance services with agency staff, vendors, and as needed assigned workers. Initiates service requests to install and remove lines, change features, and maintains database.
- Assists in the installation of new or enhanced communication software, particularly upgrades such as communication software (modem), paging software, videoconferencing software, test equipment software (micro test and fluke).
- Makes recommendations and coordinates changes in communication requirements caused by changes in the business needs of agencies, such as upgrading systems and features.
- Resolves the majority of routine change orders or operating problems in all areas of the communication network/system. Provides technical support to other network/system administrators. Submits work orders to outside contractors or vendors and follows up on service provided to ensure service needs were met.

- Provides technical support for a state government/state-wide communication network/system. Serves as a consultant and/or technical troubleshooter for network/system equipment, facilities, and peripherals to customer to address their operational and technical needs. Answers questions regarding communications problems or network/system capabilities.
- Identifies potential system failures and operating problems, initiates repair or replacement of failed components. Evaluates and tests *network/system equipment\** to determine if repairs are cost effective or surplus/disposal is warranted.
- Schedules and trains customers and other workers on proper use and operation of existing, new, or upgraded products. Consults with customers to determine system needs and interests. Provides technical support to other agency network/system administrators.
- Advises technician level network staff or customers, when needed, to trouble shoot and diagnose *network/system equipment\** using specialized *network/system diagnostic equipment\*\**.

#### System Administration

- Participates in the collection and maintenance of databases of inventory of *network/system equipment\**, supplies, and materials.
- Advises technician level network staff or customers, when needed, to ensure federal and state regulatory and statutory requirements are met and maintained.
- Collects and records equipment inventory information.
- Assigns and schedules work of assigned staff or other agency staff and/or contractors for communication equipment installation projects or specific components.

#### Procurement and Research

- Participates in the evaluation process of bids and/or request for proposals, evaluates and tests new and existing network products, documents findings. Research hardware and software market and pricing for services and equipment.
- Verifies billing charges and passes information onto financial staff for appropriate rebilling.
- Arranges for or coordinates the pickup, delivery, and acceptance of deliveries of vendor supplied *network/system equipment\**, materials and supplies.
- Attends in-service training programs, technical/professional workshops/conferences; reviews/researches technical journals/books/literature, and shares information with peers and other technical experts to learn/keep informed about modified procedures or techniques and new advances in a field of study and to identify available best practices, technologies, methodologies, and equipment pertinent to work assigned.

#### Network/System Design and Implementation

- Provides technical assistance, information, and advice to agency staff, coworkers and others on the installation and operation of *network/system equipment\** and services.
- Reads and interprets network/system diagrams, verbal, or written communications orders, building blueprints and floor plans, and technical specifications to perform the installation and diagnosis of *network/system equipment\**.
- Plans and coordinates installations and other hands-on work done by technician level workers to ensure provision of quality and timely completion of communication operations or projects.

#### General

- Completes or reviews work logs documenting services provided to customers. Submits work logs to supervisor for review or approval, and billing purposes.
- Maintains adequate inventory of *network/system equipment\**, materials, and supplies.
- Serves as liaison between other agency or State Network staff members and contractors or customers for types of services available, requested, and received.
- Plans independently daily work assigned personally or to other workers.

- Participates in planning and problem determination and resolution.
- May supervise or lead other technical or analyst workers

*\*Network/System Equipment such as: Centrex, PBX switches, routers, hubs, load balancers, firewalls, intrusion detection devices, base stations, towers, pagers, antenna systems, modems, CSU/DSU's, cellular phones, video conferencing, cabling systems, closed circuit television, SMDR units, power supplies (battery backup units – UPS's) ACD, UCD, CTI, call accounting systems, call center systems, voice mail systems, voice processing system, and related communication network and computer hardware/software; and other equipment and tools such as vehicles/vans, soldering tools, hammer drills, tape measures, screwdrivers, pliers, crimpers.*

**\*\*Network/System Diagnostic Equipment such as: network assessment and encryption software, computer terminal, optical time domain reflectometer, microtest ring scanner, sumitomo fusion splicer, network devices link tester, panduit label maker, telephone test set, tone generators, levels punch down tool, tone tracers, installer's analog and digital test sets, volt/OHM meters, protocol analyzers, bit error rate testers**

**KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)**

Knowledge of: theory and principles of communications and electronics; applicable standards and procedures regarding network/system installation and related documentation

Ability to: perform physical tasks of installing communications equipment including ability to hear, climb, squat, bend, reach, twist, grasp, push, pull, kneel, lift hand over head, stand for periods of time, walk distances; calculate solutions to mathematical problems; communicate verbally and in writing with coworkers and clients/customers; interact with others to resolve technical problems; schedule, and coordinate work assignments of other workers; supervise/lead and train other technical or analytical workers; develop and evaluate employees.

**MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)**

An associate's or similar two-year technical degree in communications/electronic equipment or related discipline of study OR equivalent work experience (3 years) using, maintaining, repairing, modifying, and testing communications/electronic equipment.

**LEGAL REQUIREMENTS: (These qualifications are mandated by federal/state laws, statutes, and/or regulations.)**

[Return to Specification List](#)

## **State Network Analyst/Senior**

**A07923**

**DISTINGUISHING CHARACTERISTICS: (A position is assigned to this class based on the scope and level of work performed as outlined below.)**

Under limited supervision, independently performs a variety of work related to the planning, design, and utilization of an enterprise-wide voice, data, wireless or video State government/statewide network. Work involves analyzing, design, configuration, deployment, testing and troubleshooting the network. May provide evaluation of vendor products, and coordinates short and long-range network solutions and architecture, ensures network standards are met. The State Network Analyst/Senior is responsible to make standards known, interpret standards, and ensure that network standards are met; May supervise or lead other technical or analyst workers as needed; performs related work as assigned.

This is the third classification level of network services class series for positions assigned to the State Network section of the Office of the Chief Information Officer or the Educational Telecommunications Commission. Positions in this class serve as an advanced expert analyst for a portion of a State government/statewide voice, data, wireless or video communication networks, serves as a technical expert on system operations and issues, and independently performs difficult planning, development, coordination, and operational work. Positions will consult and advise state government entities and political subdivisions on network issues. Positions will design and implement communication systems, evaluate and select equipment and software, and supervise installation of expansions. The State Network Analyst/Senior is responsible to make standards known, interpret standards, and ensure that standard compliance exists. Positions in this class may supervise or lead other analysts or technicians.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

#### Network Support

- Manages and monitors network upgrade installations and maintenance to ensure continued access to state facilities. Meets with vendors for product analysis. Performs on-site station reviews of network components. Consults with clients by answering technical, operational or policy questions. Makes recommendations to resolve customer concerns. Arranges maintenance services, troubleshoots problems, and oversees outside contractors. Coordinates activities with vendors, clients, and contractors.
- Installs and reconfigures state-wide communications systems to optimize network performance. Diagnoses and resolves network and system problems. Resolves problems and takes actions to solve short-term problems while considering long-term and state-wide network impact.
- Monitors, maintains, and oversees communication services and facilities for state agencies.
- Plans, designs, schedules, and coordinates local and remote site preparation for equipment installation. Participates in site reviews. Conducts follow-up reviews to ensure work performed is in compliance with schedules and/or specifications.
- Coordinates installation and maintenance of *communications equipment\**, facilities, and services.

#### System Administration

- Serves as a consultant and/or troubleshooter to clients in addressing their operational and technical needs. Answers questions regarding communications problems or network capabilities. Trains
- clients on proper use and operation of new or upgraded products. Consults with clients to determine system needs and interests. Provides technical support to other agency network administrators.
- Develops management procedures for installation of *communications equipment\**.
- Consults, implements and explains policies, procedures and standards for *communications equipment\** installation projects or specific components (e.g. wiring standards, communications protocol, industry standards for voice, video, cable, and data) in compliance with those used for all state facilities.
- Schedules work of staff and contractors for *communications equipment\** installation projects or specific components.
- Monitors work performed to ensure compliance with federal and state regulatory and statutory requirements.
- Manages database of system inventory.

#### Network System Design and Implementation

- Researches, designs, and specifies communication network/system facilities and services.
- Oversees the testing and implementation of communication networks/systems.
- Provides technical assistance to customers, vendors, and the general public.
- Advises and consults with agency, state, and federal management officials and staff on communication networks/systems regarding technical and security issues; on policies, regulations, and standards; and on design, performance, and compatibility requirements.

- Completes communication network/system reviews, equipment reviews, long range planning studies, and documentation.
- Prepares plans and technical specifications for enterprise-level state government/state-wide and/or regional communication networks/systems.
- Develops communication network/system plans and installations for such processes as technology convergence, radio frequency analysis, management of spectrum coordination, data communications topologies, voice communications transports, and video, wide-area, and local-area networks.

#### Procurement

- Calculates network/system component purchase prices for customers.
- Participates in the drafting of bid specifications and requests for proposals, evaluates bids received, and reviews purchase orders being processed.
- Authorizes and processes purchase orders and payment of invoices for various *communications equipment\**, supplies and materials.

#### Research

- Researches communications technologies to ensure rapid and error-free movement of voice, data, wireless or video information on the communications network/system.
- Reviews vendor equipment literature and makes recommendations concerning uses and purchases.
- Attends in-service training programs, technical-professional workshops or conferences, reviews/researches technical journals, books, literature, and shares information with peers and other technical experts to learn/keep informed about modified procedures or techniques and new advances in a field of study and to identify available best practices, technologies, methodologies, and equipment pertinent to work assigned.

#### Training

- Provides formal technical training to customers and agency staff concerning the use of *communications equipment\**.
- Provides direction, training, and technical assistance to coworkers and agency staff.

#### General

- Manages the infrastructure of a share communications network/system and implements major communications projects.
- Participates in the setting of rates for communications services on a cost recovery basis.
- Plans and maintains utilization and communications to other systems. Evaluates, selects, and implements new transmission protocols for voice, video, and data networks.
- May supervise or leads other technical or analyst workers.

*\*Network/System Equipment such as: Centrex, PBX, switches, routers, hubs, load balancers, firewalls, intrusion detection devices, base stations, towers, pagers, antenna systems, modems, CSU/DSU's, cellular phones, video conferencing, cabling systems, closed circuit television, SMDR units, power supplies (battery backup units – UPS's) ACD, UCD, CTI, call accounting systems, call center systems, voice mail systems, voice processing system, and related communication network and computer hardware/software; and other equipment and tools such as vehicles/vans, soldering tools, hammer drills, tape measures, screwdrivers, pliers, crimpers.*

*\*\*Network/System Diagnostic Equipment such as: network assessment and encryption software, computer terminal, optical time domain reflectometer, microtest ring scanner, sumitomo fusion splicer, network devices link tester, panduit label maker, telephone test set, tone generators, levels punch down tool, tone tracers, installer's analog and digital test sets, volt/OHM meters, protocol analyzers, bit error rate testers.*

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)

Knowledge of: the design and operational requirements of establishing and maintaining communications systems for the state; hardware and software infrastructure and other operational components; applicable standards and procedures regarding communication network/system installation and related documentation

Ability to: conduct studies of communications systems or components and make recommendations; develop and implement operational and training procedures concerning communications systems. Supervise/lead and train other technical or analytical workers; develop and evaluate employees; plan, install, diagnose, and repair communications equipment and systems used by the agency; interpret and apply the laws and regulations of the communications industry; plan, schedule, and coordinate work assignments of other workers

MINIMUM QUALIFICATIONS: (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Associate's or other similar two year technical degree in computer engineering/science, communications/electronic equipment, or related discipline of study AND two years of work experience performing the analysis of network/electronics equipment and preparing related technical recommendations; two additional years of applicable work experience can be substituted for a degree

LEGAL REQUIREMENTS: (These qualifications are mandated by federal/state laws, statutes, and/or regulations.)

[Return to Specification List](#)

## State Network Coordinator

**A07925**

DISTINGUISHING CHARACTERISTICS: (A position is assigned to this class based on the scope and level of work performed as outlined below.)

Under limited supervision, independently provides leadership and performs work in the planning, development, and utilization of a most difficult enterprise-wide voice, wireless, data or video state government/state-wide network. Work involves analyzing, design, configuration, deployment, testing and troubleshooting the network. Provides evaluation of vendor products, coordinates short and long-range network deployments, upgrades, and solutions of network architecture, functionality, and problems, researches and recommends network standards; performs related work as required.

This is the fourth classification level of the network services class series for assigned to the State Network section of the Office of the Chief Information Officer or the Educational Telecommunications Commission. Positions in this class serve as a principal technical authority/consultant on technical operations and coordination issues relating to the network systems and perform the most difficult planning, development, coordination, and operational work involving state government/state-wide voice, data, or video communication networks. Coordination involves interaction of multiple clients including representatives of governmental entities, political subdivisions, and outside vendors on a statewide level in difficult coordination and decision-making capacities where stakeholders have divergent viewpoints. Positions in this class provide leadership in the research, development, and advocacy of network standards. Work performed by this class requires high level analysis, involves situations where factors are not readily apparent, involves unusual complexities, involves multiple alternative solutions to problems, involves phased deployment or multiple network components, and errors in work performed may impact large portions of the state network.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

#### Network System Design and Implementation

- Researches, designs, and specifies communication network/system facilities and services.
- Oversees the testing and implementation of communication networks/systems.
- Provides technical assistance to customers, vendors, and the general public.
- Advises and consults with agency, state, and federal management officials and staff on communication networks/systems regarding technical and security issues; policies, regulations, and standards; and design, performance, and compatibility requirements.
- Completes communication network/system reviews, equipment reviews, long range planning studies, and documentation.
- Prepares plans and technical specifications for enterprise-level state government/state-wide and/or regional communication networks/systems.
- Develops communication network/system plans and installations for voice, data, wireless and video statewide networks, including technology convergence.

#### System Administration

- Develops management procedures for installations.
- Develops procedures, standards, and policies for communication networks/systems in all state facilities, and, as appropriate, with local entities and other users.
- Develops procedures for consolidating, upgrading, and improving interoperability of communication networks/systems for state, local, and public safety entities.
- Oversees compliance of communication network/system services and operations with regulations, mandates, and statutes.
- Documents communication network/system designs and operational features.

#### Network Support

- Provides administrative support to state government/state-wide communication networks/systems to ensure operations are in compliance with state government/state-wide goals and objectives.
- Develops shared communication network/system services on a state government/state-wide basis, and as needed on a regional/client basis.
- Develops proper technical solutions that meet client needs, maintain the integrity of communication network/system services, operate within budget guidelines, and prepare migration plans for equipment changes.
- Coordinates, manages, purchases, and leases communication network/system facilities and services for state agencies.
- Plans, designs, schedules, and coordinates local and remote site preparation for hardware and software installation. Participates in site reviews. Conducts follow up reviews to ensure work performed is in compliance with specifications and/or schedules.
- Troubleshoots and analyzes operational and connectivity problems such as firewalls and security, traffic flow, connectivity, compatibility, performance, and hardware and software malfunctions.
- Accepts requests and orders for communication network/system services.
- Advises and recommends use, purchase, and installation of communication network/system products and services to state and agency management officials.

#### Procurement

- Develops and evaluates bid specifications for network/system facilities and services.
- Identifies bid awards to vendors based on requests for proposal and/or bid specifications.

- Authorizes and processes purchase requisitions for acquisition of communication network/system hardware, software, and associated services. May develop contractual documents.
- Reviews vendor equipment information and makes decisions or recommendations to supervisor on purchase. Exercises direct purchase authority as defined by State and agency policies.

#### Training and Guidance

- Mentors and guides network or information technology workers.
- Identifies and provides formal technical training programs on the use of *network/system equipment\** for agency staff, technical level staff, or other workers.
- Develops project schedules for others; monitors progress and reviews assignments completed by others.

#### General

- Oversees the maintenance of inventory of *network/system equipment\**, materials, and other hardware.
- Compiles traffic reports and analyzes traffic loads.
- Reviews project logs of contractors and staff to identify costs associated with communication network/system services provided for proper billing to agency receiving the services.
- Formulates plans to integrate and deploy *network/system equipment\** and services.
- Attends in-service training programs, technical/professional workshops/conferences; reviews/researches technical journals/books/literature, and shares information with peers and other technical experts to learn/keep informed about modified procedures or techniques and new advances in a field of study and to identify available best practices, technologies, methodologies, and equipment pertinent to work assigned.

*\*Network/System Equipment such as: Centrex, PBX, switches, routers, hubs, load balancers, firewalls, intrusion detection devices, base stations, towers, pagers, antenna systems, modems, CSU/DSU's, cellular phones, video conferencing, cabling systems, closed circuit television, SMDR units, power supplies (battery backup units – UPS's) ACD, UCD, CTI, call accounting systems, call center systems, voice mail systems, voice processing system, and related communication network and computer hardware/software; and other equipment and tools such as vehicles/vans, soldering tools, hammer drills, tape measures, screwdrivers, pliers, crimpers.*

*\*\*Network/System Diagnostic Equipment such as: network assessment and encryption software, computer terminal, optical time domain reflectometer, microtest ring scanner, sumitomo fusion splicer, network devices link tester, panduit label maker, telephone test set, tone generators, levels punch down tool, tone tracers, installer's analog and digital test sets, volt/OHM meters, protocol analyzers, bit error rate testers.*

#### KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED: (These are needed to perform the work assigned.)

Knowledge of: the principles and practices of project management; concepts, components, features, and processes of current communication networks/systems such as hardware, software, internet connections, and typology configurations; industry standards, and analysis and design techniques concerning communication network/system technologies, connections, and infrastructures.

Skill in: facilitation to solve problems; information gathering; using logic and analysis to identify the strengths and weaknesses of different approaches; identifying the nature of problems; conducting tests to determine whether equipment, software, or procedures are operating as expected; coordinating work activities of others, assigning work to others, preparing project/work plan, and monitoring work progress; coordinating work activities of others, assigning work to others, preparing project/work plan, and monitoring work progress.

Ability to: coordinate and implement communication network/system activities with various agencies, organizations, and outside service providers; design, plan, and implement integrated, multiple communication networks/systems; evaluate cost-effectiveness of network/system components, features, and processes to meet compatibility standards and budget requirements; apply/implement technical communication protocols and practices in enterprise-level networks; analyze technical problems and needs, identify solutions and options, and implement corrective actions and plans of action; communicate verbally and in writing to clearly explain technical requirements and plans and to persuade adoption of these plans; interact with management officials and other staff, vendors, and clients/users.

**MINIMUM QUALIFICATIONS:** (Applicants will be screened for possession of these qualifications. Applicants who need accommodation in the selection process should request this in advance.)

Associate’s or other similar two year technical degree in computer engineering/science, communications/electronic equipment, or related discipline of study AND three to five years of work experience strategic work planning, and conducting the installation, maintenance, and upgrade of equipment and components of a large communications network in addition to performing the analysis of network/electronics equipment and preparing related technical recommendations; three additional years of applicable work experience can be substituted for a degree.

**LEGAL REQUIREMENTS:** (These qualifications are mandated by federal/state laws, statutes, and/or regulations.)

**SPECIAL NOTES APPLICABLE TO ALL LEVELS:**

State agencies are responsible to evaluate each of their positions to determine their individual overtime eligibility status as required by the Fair Labor Standards Act (FLSA).

Established: 11/99

Note: Classification-specification is subject to change. Please refer to the Nebraska State Personnel Job Specification website at <https://das.nebraska.gov/personnel/classcomp/jobspecs/jobspecs.html> to ensure this represents the most current copy of the description.

The following is a summary of changes made to this class specification.

Section	Change Description	Effective Date
State Network Technician	Minor wording updates to distinguishing characteristics	3/23/2023
State Network Analyst	Minor wording updates to distinguishing characteristics	3/23/2023
State Network Analyst/Senior	Minor wording updates to distinguishing characteristics	3/23/2023
State Network Coordinator	Minor wording updates to distinguishing characteristics	3/23/2023