

Position Title: Network Architect
Reports To: VP of Network Operations

Department: Network Engineering
FLSA Status: Exempt

General Summary:

Otelco is seeking an experienced Network Architect to plan and design the future network. The Network Architect is responsible for overall service provider network technology strategy and planning. This position includes responsibility for vendor recommendation, design, and planning for significant network deployments and upgrades. This position works closely with Planning and Design Engineers on network deployment and implementation planning. This position also works closely with OSP Engineering on fiber network design. This position collaborates with organizational leaders to understand business impact of technology decisions.

Essential Job Functions:

- Responsible for planning new network deployments
- Responsible for planning evolution of voice and data network to enhance service offerings and reliability
- Responsible for overall IP, Optical, Transport, and Access Network design and planning
- Plans and designs complex network augments and rearrangements to the existing network.
- Network Planning – responsible for long term planning, and budget preparation.
- Capacity planning – Utilize capacity data to make projections and anticipate needed upgrades
- Focus on product roadmaps to constantly improve the value of our service offerings for our customers and hold vendors accountable for deliverables, including by not limited to technical specifications, implementation specifications and service delivery standards
- Vendor selection – equipment and technology specification and selection
- Develop and document high level standards for OTELCO service deployments
- Work with internal technical teams for product placement and feature improvements for reliability, availability, and serviceability
- Audit and assess network against customer requirements and best practice
- Remote access design, network security design
- Provide technical assistance and support to other teams for major systems improvements.
- Mentor and train team members and coworkers in new technology
- Performs all other related duties as assigned by management. *

*These tasks do not meet the Americans with Disabilities Act definition of essential job functions and are usually less than 5% of time spent. However, these tasks still constitute important performance aspects of the job.

Knowledge, Skills, and Abilities:

- Expertise in Service Provider IP voice systems and SIP required
- Experience designing and specifying Fiber Access network systems
- Experience with DWDM, OTN, and Carrier Ethernet technologies
- Experience with Cable TV and DOCSIS technologies preferred
- Experience with design, planning, maintenance of IP Networking and Routing solutions in a service provider environment required
- Experience with design, planning, installation and maintenance of Carrier Ethernet and Optical Transport solutions in a service provider environment required
- Knowledge of industry standards and best common procedures
- Knowledge of company products and services.
- Knowledge of company policies and procedures.
- Knowledge of general office procedures.
- Skill in operating various office equipment such as personal computer, copier, fax, two-way radio and telephone systems.
- Problem solving and network troubleshooting skills

- Ability to communicate with customers, co-workers, and various business contacts in a professional and courteous manner.
- Ability to follow written and oral instructions.
- Ability to work with numbers and calculations and create budgets and forecasts.
- Ability to pay close attention to detail and schedules.
- Ability to effectively function as a team player.
- Ability to work nights and weekends when required
- Travel throughout the northeast frequently required
- Occasional travel to various Otelco properties required

Education and Experience:

High school diploma required; 2 or 4 year degree preferred, with a minimum of five years of technical telephone utility and internet experience. Prior management experience preferred.

Physical Requirements:

PHYSICAL REQUIREMENTS	0-24%	25-49%	50-74%	75-100%
Seeing: Must be able to read computer screen and various reports.				X
Hearing: Must be able to hear well enough to communicate with employees and business contacts.				X
Standing/Walking:		X		
Climbing/Stooping/Kneeling:		X		
Lifting/Pulling/Pushing:		X		
Fingering/Grasping/Feeling: Must be able to write, type, and use phone system.				X

Working Conditions:

This factor measures the surroundings or physical conditions under which a job must be done and the extent to which those conditions make the job disagreeable. Consider the presence and relative amount of exposure to dust, dirt, heat, fumes, contaminants, cold, noise, vibration, wetness, etc.

Good working conditions; may involve occasional exposure to some of the elements listed above.

Note: The statements herein are intended to describe the general nature and level of work being performed by employees and are not to be construed as an exhaustive list of responsibilities, duties and skills required of personnel so classified. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the employer.

OTELCO is an equal opportunity employer and does not discriminate on the basis of age, sex, gender identity, color, race, creed, national origin, religious persuasion, marital status, political belief, or disability.

