Position title: VP of Network Planning & Engineering

Experience: 15+ years in Telecom or related industry

Education: Bachelor degree in related field; Master’s degree preferred

Job Description:

PEG Bandwidth is looking for an individual who will be responsible for all aspects of the Planning, Design, Engineering, and Growth of its robust carrier-class network that caters to today’s mobile backhaul needs and tomorrow’s networking needs. This individual will lead a team of Network Design/Planning and Systems/Equipment Engineers. This group will be responsible for tactical network planning, all aspects of Optical/Ethernet-IP-MPLS/RF (Microwave) design and engineering, network capacity management, traffic engineering, and network optimization. This is a senior management position and reports directly to the COO of the company.

Job Responsibilities:

- Provide overall engineering vision, team leadership, and management addressing key dimensions including people management, project management, technical excellence, trust, support, high productivity, and teamwork.
- Manage day-to-day activities associated with the following functions
  - Network Design - Creation, management & accurate maintenance of Physical & Logical network topologies and maps of Optical (DWDM), Microwave (RF), Ethernet & IP/MPLS systems
  - Systems/Equipment Engineering - detailed equipment rack-face drawings and connections, cabinet layouts, power systems, equipment ordering and coordination
  - Traffic Engineering & Capacity Planning – Ongoing network traffic analysis and path optimizations, management of current and forecasted network capacity demands, and initiation of associated network optimizations
  - Network Growth Planning - Planning and placement/expansion of existing/new network elements for the growth or optimization of collocation facilities, Hubs, and Switches, and establishing new site locations when necessary.
- Develop and manage forecasting and trending tools for capacity planning and traffic management purposes.
- Negotiate, create and manage interconnection agreements, amendments and revisions with other carriers whenever required; work with Regulatory/Legal during implementation of such agreements and their amendments and revisions.
• Engineer the network in a fashion consistent with network architecture and standards, product strategy, and site-delivery objectives.
• Planning of engineering initiatives addressing work breakdown, project scheduling, critical path analysis, and resource assignments in a fashion consistent with budget constraints, priorities, and roadmap commitments.
• Maintain close working relationships and facilitate coordination with other functional organizations including technology and standards, outside/inside plant construction, network implementation and operations service delivery, marketing/sales, and finance.
• Coordinate closely with the Network Operations group on system/site/circuit turn-up/test by providing engineering resources as appropriate in order ensure that handoffs are smooth with the highest quality so that customer deliverables occur on schedule.
• Forecast, create, manage, and maintain an Engineering budget that is optimized to get the job done in an efficient and cost-effective way without compromising on work or network quality.
• Serve as a key member of the senior management team with commensurate contributions in broad areas including product strategy, technical excellence, engineering methodology, organizational structure, as well as ensuring an overall team focus on critical company objectives.
• Contribute to defining strategic network objectives and guiding the development process to achieving the strategic network objectives.
• Provide periodic assessment of key engineering issues and flag potential problems to executive management.

Qualifications:

• 15+ years of engineering management experience with at least 5 years of hands-on network engineering and planning experience in a carrier class service provider.
• Demonstrated track record in leading large teams specifically in the area of complex network designs and planning activities.
• Must have a strong technical background with good experience in the telecom / datacom industry specifically in the area of communication systems architecture and design, legacy TDM (T1/T3, copper, cross-connects etc.) and SONET/SDH systems, CWDM/DWDM/ROADM systems, packet-switching technologies such as FR, ATM, Ethernet and IP/MPLS with their associated applications/implementations, RF/Microwave technology and applications, and packet-based network design and traffic engineering.
• Ability to dive into the details in order to keep management well informed on status and lead the engineering team in ensuring architectural consistency, ensuring the team’s efforts are properly focused on company objectives, and to address differences in potential implementation approaches.
• Familiarity with network planning procedures, equipment deployment and functions of networking equipment, contract administration, capital and operating budget planning and preparation is also required.
• Experience with regulatory and legal issues associated with governmental regulation of telecommunications services.
• Ability to plan and schedule projects and execute vs. plan with predictability while achieving high quality for the network.
• Demonstrated understanding of the role and impact of cross-functional departments and their relative impact on company initiatives.
• Strong leadership, project management, consensus building, negotiation, and decision making skills, coupled with sound judgment. Strong written, oral, interpersonal, and presentation skills. Ability to foster strong working relationships throughout the organization.
• Must be a strong team player with the ability to proactively identify issues and lead the team on driving to appropriate solutions.
• Proven ability to solve problems creatively and with a “can do” attitude. Develop an achievable set of network performance objectives for the organization and then measure performance to those metrics.
• Open to new business fields and corporate areas of responsibility, and enjoy adapting to new corporate cultures and challenges to meet company objectives and vision.