

## Job Description

The Director of Network Planning and Provisioning acts performs a broad range of design, implementation, and technical duties. The successful candidate will be well versed in ISP design disciplines & will have led major initiatives that are network and customer facing. The candidate should be well versed in the following aspects of carrier network design and planning: SONET, Ethernet , Capacity Planning, Peering, Network Security, Proof of Concept Testing, & Change Management. Additionally, This position is instrumental in setting policies, procedures, & standardization pertaining to the ESVBA network. The successful candidate will also be responsible for provisioning, testing, troubleshooting, high-speed fiber optic transmission equipment and telecommunications circuits supporting service delivery as well as performing and assisting with the maintenance and configuration of all core technologies deployed.

## Job Responsibilities

- ❑ Network design and planning to include both backbone and customer projects
- ❑ Proof of concept testing of hardware, software, & services
- ❑ Hands-on customer and network configuration in support of installations and network growth
- ❑ Tier-2/3 complex network & customer support
- ❑ Administration of ISP functional components such as DNS, IRR, IP Addresses
- ❑ Perform capacity management analysis and reporting
- ❑ Creating and maintaining relationships with various 3rd party circuit and service providers.
- ❑ Work internally with Sales, Construction, Project Managers ,etc. to design, identify, recommend, and coordinate network and customer solutions.
- ❑ Install, Turn-up, Test and Provision SONET, DWDM and Ethernet equipment in an optical fiber network adhering to design standards.
- ❑ Conduct and validate all testing of network equipment to ensure adherence to ESVBA procedures and equipment manufacturer's specifications.
- ❑ Develop a Network Operations Center for 24x7x365 network monitoring and testing
- ❑ Work with Fiber Optic, SONET, Ethernet and SDH related test equipment including OTDR, PMD, Optical Spectrum Analyzer, BER Test Sets, Sniffers.
- ❑ Perform site survey of remote locations to ensure quality installation of all racks, equipment power plants, fiber cable, etc. Report any and all defects to the appropriate management.
- ❑ Participate in on-call rotation schedule for nights and weekends.
- ❑ Perform both hardware and software updates and/or changes to equipment as necessary.
- ❑ Complete and maintain electronic records of work completed on various assignments.
- ❑ Respond to Customer Troubles on 24-hour basis.
- ❑ Perform other duties and responsibilities as required and assigned.

## Candidate Qualifications

### Skills & Abilities:

- ❑ Self-motivated team player.
- ❑ Excellent problem solving ability.
- ❑ Solid written and verbal communications skills.
- ❑ Work well in an unstructured environment.
- ❑ Proficiency using MS Office suite of programs.
- ❑ Candidate must have the ability to manage multiple projects cross-functionally across internal and external teams.
- ❑ Manage leased circuit, POP space and cross-connect database; identify renewal dates, expiration dates and CPI increases.

- ❑ Provide metrics presenting performance of the vendors; on-time delivery, first use failures, Type II costs, etc...
- ❑ Prepare purchase requisitions in accordance with purchasing policy
- ❑ Provide recommendations for network construction/growth based on analysis of current lease costs
- ❑ Assists with monthly budget-to-actual variance explanations

**Job Knowledge:**

- ❑ Extensive experience with the following: QinQ, G.8032, 802.3ad, 802.3ag, STP, PBT, VPLS, MPLS, Traffic Engineering, BGP, IS-IS, IPv6
- ❑ Extensive experience & hands-on configuration experience with Cisco Networks Switches, Routers and SONET platforms and Metro Ethernet products & solutions.
- ❑ Network planning experience in an Internet Service Provider environment
- ❑ Knowledge of network security best practices
- ❑ Perl and Shell scripting in a Linux/Unix environment
- ❑ Configure and maintain 24x7 high speed Internet backbone routers and complex LAN switching, as well as SONET, WDM and Gigabit Ethernet backbone networks
- ❑ Configure and maintain 24x7 network security utilizing Intrusion Detection, Firewalls, Security Scanners and Packet Analysers
- ❑ Familiarity w/ Solaris 8, 9 or 10 BIND 9.0, DNS, MS Windows & Office, Office Products, Windows Server 2000 & 2003

**Job Experience:**

**Required:**

A minimum of 10 years experience in the telecommunications industry

**Education:**

**Desired:**

- ❑ Bachelors Degree in Computer Science or a related field.
- ❑ CCNA certification or greater

**Submit resumé to: [info@esvba.com](mailto:info@esvba.com)**