

Senior Network Engineer (1) Roles and Responsibilities

The Sr. Network engineer is responsible for daily administration, maintenance, installation and general support of the USDA, OCIO, Network Services Branch (NSB) Metropolitan Area Backbone. He/She is responsible for accessing the OCIO backbone for feasibility of VOIP, Wireless, IPV6 implementation. The main duties are listed below:

ADMINISTRATIVE TASKS

- Monitoring network usage;
- Generate and update ITSM tickets when required
- Act as back up for monitoring/answering the NOC service line
- Opening/updating the WTSO bulletin board
- Managing system backup and restore (Syslog, Tacacs, Cisco Works)
- Monitoring System log files
- Managing System access
- Validating proper system configuration

DAILY/WEEKLY/MONTHLY TASKS

- Act as team lead for other staff
- Installing, supporting and maintaining new hardware and software infrastructure;
- Allocating network resources;
- IDS monitoring (Cisco VMS server, Microsoft)
- Setting up user accounts, permissions and passwords;
- Maintaining the IP address management database;
- Device configuration management - Cisco TFTP server
- Generate and update ITSM tickets when required
- Act as back up for monitoring/answering the NOC service line
- Opening/updating the WTSO bulletin board
- Ensuring that all IT equipment complies with industry standards;
- Analyzing and resolving faults
- Undertaking routine preventative measures and implementing, maintaining and monitoring the NSB network
- Providing technical support for users with varying levels of IT knowledge and competence;
- Working closely with other departments/organizations and collaborating with other IT staff;
- Planning and implementing future IT developments and undertaking project work;

TROUBLESHOOTING /SUPPORT

- Cisco 3000 VPN concentrator
- Network Core/Distribution Routing with Cisco IOS
- Provides back up for Network Access-layer switching with Cisco IOS
- Primary for VLAN Support & administration with Cisco IOS/Cisco Works 2000
- IDS Monitoring Cisco VMS Server (Microsoft)
- Firewall Protection Checkpoint
- Network Map documentation/administration (visio)
- Network, Troubleshooting, Support and recommendations
- Security Troubleshooting, Support and recommendations
- VLAN support and administration (Cisco IOS; Cisco works 2000)
- Suggesting and providing solutions to problems



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