



## **Communications/Network Engineer**

**Location:** Williston, VT

**Travel:** up to 70% CONUS

**Clearance:** US Citizenship required in order to obtain US Secret Clearance

### **Job Description:**

- Under general supervision, this position will provide design, development, deployment, problem identification and remediation, and on-going support of the US Citizenship and Immigration Services (USCIS) international network.
- Provide support in the translation of business requirements into telecommunications (e.g. LAN, MAN, WAN, Voice and Video) requirements, designs and orders.
- Provide in-depth engineering analysis of telecommunications alternatives for government agencies in support of their strategic modernization efforts and telecommunications enhancement design for medium and large-scale telecommunications infrastructures
- Provide interface support to telecommunications end users, telecommunications operations personnel and telecommunications strategic program management.
- Work as member of network engineering team that designs and supports a ~400-site WAN
- Provide engineering planning and management support for the USCIS WAN; develop and /or validate designs for the USCIS WAN or LANs; determine optimal routing through the network; troubleshoot network performance problems; determine appropriate circuit types and capacities; support the migration to a MPLS network; interface the USCIS WAN with other Government WANs; and, identify and correct WAN/LAN hardware, software, and network engineering design; problem identification; and problem remediation.

**Required Skills:** Candidate should have Advance Routing technologies such as EIGRP and OSPF. Must be able to incorporate routing with switches or have had extensive experience with Layer 3 switching, this includes HSRP (Hot Standby Routing Protocol). Must have experience with Spanning-Tree, an understanding of what it is, why and how it is used. Must have experience with Telco/Service Carriers. Minimum eight (8) years of experience in designing, deploying, and supporting large WANs and LANs, of which at least five years of experience designing large WANs (over 100 sites). Possesses strong analytical skills, be able to identify and resolve complex problems and issues arising from data communications and networking. Must have good interpersonal and communications skills in dealing with multiple contractor and government organizations. Understanding of: common circuit types; voice-over-IP and video-over-IP concepts, and implementation; WAN performance monitoring and troubleshooting; routing protocols (including BGP); MPLS; DMVPN; QoS theory and implementation; network security concepts, including specific experience implementing; current Cisco routers and switches; and, network management and monitoring tools.

**Desired Skills:** Cisco certifications, Satellite communications, 802.11B wireless, Firewalls, VPN

### **Required Education/Experience:**

Bachelor of Science in Communications Engineering, Computer Science, Electrical Engineering, Systems Engineering, other bachelors degrees. Bachelor's degree may be replaced with relevant overall years of experience. In lieu of degree, a combination of education and a minimum 5 years of experience working with enterprise systems and experience in WAN/LAN protocols such as MPLS, ATM, Frame Relay, SONET and TCP/IP may be accepted. Very strong experience may be substituted for an exceptional candidate at the discretion of the task manager.