

Network Engineer: Associate Principal Network Engineer

Designs and plans network communications systems. Provides specifications and detailed schematics for network architecture. Provides specific detailed information for hardware and software selection, implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Conducts testing of network design. Maintains technical expertise in all areas of network and computer hardware and software interconnection and interfacing, such as routers, multiplexers, firewalls, hubs, bridges, gateways, etc. Evaluates and reports on new communications technologies to enhance capabilities of the network.

Discretion/Latitude

Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed for desired results from a relatively long-term perspective.

Knowledge, Skills, & Abilities

Applies extensive technical expertise and has full knowledge of other related disciplines. Answers technical questions regarding products and services, and may take part in putting together proposals, configurations and product offerings.

Problem Solving

Develops technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact

Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives.

Liason

Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

Minimum Education and Experience

10-12+ years with a BS in designated Engineering or a related field. Employees usually have an advanced degree in their field of specialization.