Field Network & Systems Engineer: Field Network & Systems Engineer I

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.

Performs system and subsystem integration, technical risk assessments, technical planning, verification and validation, and supportability and effectiveness analyses of total systems throughout the system lifecycle. Analyses are performed at all levels of total system product to include: concept, design, fabrication, test, installation, operation, maintenance and disposal. Performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies to translate customer requirements into hardware and software specifications.

Discretion/Latitude
Work is closely supervised. Follows specific, detailed instructions and/or guidance from more senior functional staff.

Knowledge, Skills and Abilities
Limited use and/or application of basic technical principles, theories, and concepts to specific job assignments.

Problem Solving
Develop solutions to routine technical problems of limited scope following standardized practices and procedures.

Impact
Contributes to the completion of routine technical tasks. Failure to achieve results can normally be overcome without serious effect on schedules and programs.

Liaison
Contacts are primarily with immediate supervisor, project leaders, and other professionals in the section or group.

Minimum Education and Experience
0-2+ years with BS in designated Engineering, Information Technology or related field or equivalent experience and/or applicable industry certifications.