

# Field Network & Systems Engineer: Field Network & Systems Engineer III

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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**

Works under only general direction. Independently determines and develops approach to solutions. Work is reviewed upon completion for adequacy in meeting objectives.

## **Knowledge, Skills and Abilities**

Complete understanding and wide application of technical principle, theories, and concepts in the field. General knowledge of other related disciplines.

## **Problem Solving**

Provide technical solutions to a wide range of difficult problems. Solutions are imaginative, thorough, practicable, and consistent with organization objectives.

## **Impact**

Contributes to the completion of specific programs and projects. Failure to obtain results or erroneous decisions or recommendations would typically result in serious program delays and considerable expenditure of resources.

## **Liaison**

Frequent inter-organizational and outside customer contacts. Represents the organization in providing solutions to technical issues associated with specific projects.

## **Minimum Education and Experience**

5-8+ years with BS in designated Engineering or related field.