

Telcordia® Network Engineer Design Assistant

Design Assistant is a module that advances the network design capabilities of Telcordia® Network Engineer by automating numerous, labor-intensive tasks in the design process. Lead planners enter rules and models into the module using its powerful configuration tools. The module then creates point-and-click wizards for different build-out scenarios, so any planner can quickly produce complex designs that adhere to corporate standards.

► Even with the industry-leading design tools in Network Engineer, network design is a complex job. It can take considerable time even for your most experienced designer, given the manual steps involved and the decisions that must be made about placing all the equipment in a network layout. When planners have limited work experience and/or understanding of your corporate policies, build-outs can take even more time and money while you train those staff members or revise their work to comply with design standards.

PUT YOUR PLANNERS ON EQUAL FOOTING

Design Assistant streamlines and accelerates the network design process in Network Engineer. Your lead designer can use the module's configuration tools to input models and rule sets that apply to all the various types of build-out scenarios. With that data, Design Assistant creates customized wizards that not only walk planners through the network design process, but also automate many of the complex, error-prone decisions that planners must make. As a result, it can make the design and layout of new networks faster, more cost-efficient, and always in compliance with your corporate objectives.

ESTABLISH AS MANY RULES AS YOU NEED

Design Assistant enables administrators to define the planning policy (rule sets) and workflow. Along with these rule sets is information pertaining to location and demand in the region of the network that is being designed. By combining this input data and the user-defined rule sets, you can create wizards that

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Standardize design processes across your organization

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Reduce the time and costs of network build-outs

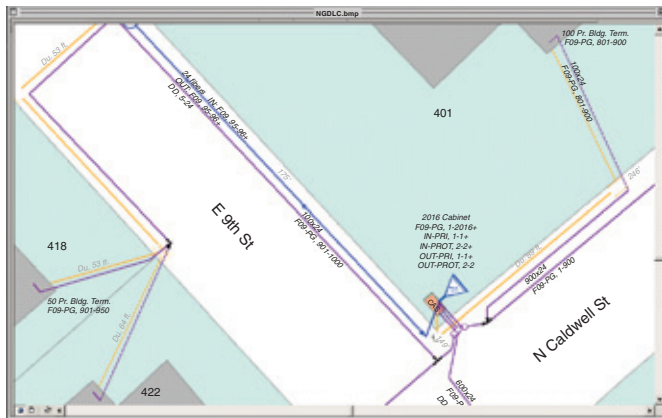
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Eliminate experience gaps among your planners

walk you through the processes of applying the workflow policy. The result is a work order plan that adheres to your own standard practices. The rule sets instruct planners to specify any number of parameters such as: demand per house, acceptable loss, the number of houses served from each customer serving point, selections to minimize road crossings, connectivity rules, and more. They may also define how to select equipment using prioritized criteria such as: least-cost, port capability, cable types, and/or preferred provider.

TAKE TIME AND GUESSWORK OUT OF NETWORK LAYOUTS

Design wizards walk planners through the process of creating a fully connected access network with minimum input. After planners choose the appropriate models and follow guidelines related to equipment selection, costing, and possible routes, Design Assistant takes over. It automatically places user-specified models on a map; positions required structures, spans, equipment, and transmedia; and determines how the placed models should be connected to form an optimized network layout. In short, it virtually eliminates tedious placement tasks for planners, optimizes the network path, and generates a work order plan that adheres to your standard practices.



Network Engineer supports multiple network technologies. Diagram depicts copper cable connection to fiber cable.

THE TELCORDIA PLANNING & ENGINEERING SUITE

The Telcordia Planning & Engineering Suite provides a geospatial platform for planning, designing, documenting, and sharing information on complex communications networks. Anchored by Telcordia® Network Engineer, the suite gives you a comprehensive enterprise-wide view of the network so you can bridge your network engineering intelligence with network operations, provisioning, marketing, and finance to deliver accurate information quickly while streamlining cost and service delivery intervals.

AT A GLANCE

Design Assistant helps Telcordia Network Engineer to reinvent the network design process. You can:

- Share experience and knowledge across the organization via online wizards
- Automatically guide planning practices step-by-step
- Enable all planners, regardless of experience, to plan build-outs in a fraction of the time it took using manual entry
- Generate optimized network layouts for every business scenario
- Use log-tracking trend analysis to correct nonstandard planning practices.



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