



# Who can help me deliver a wireless solution?

The BellSouth® Wireless LAN Site Survey reduces the complexity and risk.

## At a Glance

- Extend network computing over a wireless data infrastructure
- Reduce complexity and risk
- Increase reach of current data network
- Detailed analysis of wireless coverage infrastructure

## The Compelling Business Event

BellSouth Wireless LAN Site Survey presents a unique opportunity for the enterprise customer – the ability to have connected mobility with your existing data infrastructure. As a result, an infrastructure need not be buried in the ground or hidden behind the walls. An infrastructure can move and change at the speed of the organization.

The enterprise customer will need to address the following questions in order to properly design and deploy a Wireless LAN solution:

- Will existing network elements support the wireless LAN solution?
- Where will the access points need to be positioned to allow sufficient coverage to support the mobile computing environment?
- What effect will the wireless LAN solution have on existing protocols and applications currently running on your network?

These crucial factors are creating an environment where enterprises must focus their attention to gaining control over, optimizing and enhancing their existing networks. The BellSouth Wireless LAN Site Survey will provide this solution.

## Wireless LAN Site Survey Methodology

The BellSouth Wireless LAN Site Survey team employs the planning, design, implementation and operations (PDIO) methodology in enterprise network engagements – a proven way to reduce complexity and risk and increase overall network performance. Within the PDIO, the planning phase is the point in a networking engagement where engineering resources gather critical data to successfully plan an enterprise network.

During the planning phase, certified wireless engineers will perform the Wireless LAN Site Survey. A BellSouth Design Engineer and Senior Network Engineer will employ both on-site analysis and consultative interface with the customer. The purpose of the site survey is to provide the enterprise customer an evaluation of the impact of deployment of the wireless LAN technology and applications on the existing network infrastructure. The site survey gives customers the information necessary to understand the demands that must be met in order to successfully deploy a wireless LAN solution.

## Components of the Service

- **Validity testing** – certifying the compatibility of a wireless LAN solution based on customer requirements and infrastructure needs
- **Network analysis** – analysis and report generation on one or more segments of the customer network
- **Coverage area planning** – testing and placement of wireless LAN access points
- **Needs assessment** – evaluation of the impact and recommendations of changes to the existing network infrastructure
- **Wireless LAN strategy and planning** – customer consultative engagement plotting current and future course of the customer network
- **Analysis** – utilizing BellSouth engineering resources to validate information gathered in order to create a seamless customer solution

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### Key Deliverables

- Provide physical and logical topology maps of network
- Create hardware list and document component configurations
- Perform technical analysis of wireless coverage area
- Provide overview of network transmission reliability
- Present network overview and major findings
- Provide impact analysis of changes to network
- Provide detailed outline of new network configuration
- Review of current network conditions, required network upgrades and action plan for implementation

### Enterprise Benefits

BellSouth Wireless LAN Site Survey will give the enterprise customer an analysis of their current network infrastructure and provide a comprehensive roadmap to allow for a wireless LAN deployment. The site survey will address in detail the placement of wireless access points, wireless coverage throughput and the data components needed interface with existing LAN infrastructure. The benefits of this service to the customer will be better understanding of their current network environment and the resource commitment necessary for a seamless wireless LAN deployment. More importantly, it provides for the highest level of customer optimization and satisfaction of the wireless LAN solution.

**For more information regarding BellSouth® Wireless LAN Site Survey, please contact your BellSouth account representative, or visit us online at [www.bellsouth.com/business](http://www.bellsouth.com/business)**

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