

# PROFESSIONAL SERVICES WLAN SERVICES



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## GUARANTEED WIRELESS COVERAGE

Inside buildings or out, proper layout and security configuration is essential to the performance of wireless networks. Miles Data certified System Engineers analyze existing networks for potential problems or design new wireless networks incorporating the latest technology IEEE 802.11 standards to ensure maximum performance without sacrificing security.

- Optimal location(s) of each access point
- Channel selection of each access point
- Signal strength needed to ensure adequate connection between access point and mobile device
- Power levels necessary to minimize interference between access points

## THE LATEST IN WIRELESS SECURITY

Rogue devices are a serious threat to enterprise security. A single rogue access point can allow an attacker to gain full access to the internal network, bypassing traditional wired network security controls.

- Automatic detection and removal of unauthorized mobile devices
- Comply with the latest Payment Card Industry (PCI) Standards
- Detect and remove rogue access points, which provide wireless access to rogue devices
- Prevent future network intrusion

Miles Data provides the expertise you need to achieve maximum performance and uptime throughout the lifecycle of your mobility solution—from planning, design, deployment and implementation.



### AVAILABLE SERVICES

- WLAN Site Survey
- WLAN Site Certification
- WLAN Configuration

#### WLAN SITE SURVEY

To get the most out of your WLAN investment, start with our Wireless Network Site Survey. Whether you are implementing a new WLAN or extending an existing WLAN, this service provides the critical first steps required to achieve and maintain maximum performance and success.

- A Miles Data field engineer is dispatched to your facility with all the networking gear required to complete a site survey of your entire facility.
- While onsite the engineer uses a lift to temporarily install access points and antennas where wireless coverage is needed.
- Antenna type chosen for each location optimizes the coverage area.
- The field engineer takes signal strength and channel interference readings from the ground while the hardware is installed and broadcasting.
- Using the signal strength and channel interference indicators, a coverage area for that specific AP location can be determined.
- The process is repeated throughout your facility until you have wall-to-wall, floor-to-ceiling wireless coverage.

#### WLAN SITE CERTIFICATION

Optimize your wireless network by visualizing the signal propagation and channel interference on your network.

- A Miles Data field engineer is dispatched to your facility with a Wi-Fi Analysis System capable of interpreting your wireless (RF) signal.
- The engineer scans your facility by walking through it, collecting data and assembling the heat maps outlining the problems in your network.
- The gathered information is analyzed and recommendations are made.
- While on site the field engineer (working with your IT/Networking staff) can make changes to your existing wireless infrastructure to resolve issues immediately.

#### WLAN CONFIGURATION

Minimize mishaps and insure optimal network performance through careful staging and configuration services.

- For access points, we configure each access point with settings identified in the WLAN Site Survey. Each access point is labeled for easy identification to insure proper placement and installation.
- For switch based solutions, we coordinate with your IT staff to configure, train and deploy the wireless solution.

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