

Predictive Wireless Survey

Network Audit and Assessment Services

“Investing in a wireless survey before implementing a network can result in up to a 30% reduction in ongoing maintenance costs.” – Tech Target

Overview

NEC's Predictive Wireless Survey is an essential step in planning and designing a secure, high performing, maximum coverage, resilient and future ready wireless network.

Our approach ensures a seamless and effective process for upgrading your wireless network, saving time, reducing costs, and improving end user experience.

Business Value

- Plan your Wi-Fi network with precision, avoiding costly reconfigurations post deployment.
- Minimise downtime by ensuring optimal AP placement and signal coverage from the start.
- Optimal end-user experience, fast, reliable Wi-Fi enabling uninterrupted work, communication, collaboration, and access to applications.
- Scalable for future growth, reducing the need for costly upgrades and ensuring long-term operational efficiency and reliability.

Scope and Deliverables

1. Initial Engagement

- Collaborate with your team to gather key site details, including:
 - Scaled floor plans.
 - Identification of high-density usage areas (e.g., stadiums, auditoriums).
- Define any out-of-scope areas (e.g., stairwells, restrooms).
- Confirm any specific client requirements, such as secondary coverage needs.

2. Predictive Design Development

- Design a predictive model that includes:
 - Markup Floor plans accounting building materials, interference sources, and environmental factors.
 - RF Band Selection for 2.4 GHz, 5 GHz, and 6 GHz bands.
 - Access point placement to optimise coverage and performance.
 - Recommendations for antenna types, if applicable (e.g., directional antennas).
 - Incorporate customer feedback and refine the predictive model as necessary.

3. Comprehensive Reporting

- Deliver a detailed report containing:
 - Heatmaps illustrating signal strength and coverage areas.
 - AP placement diagrams showing optimal positioning.

4. Customer Handover

- Provide and present final Wireless Predictive Survey Report to key stakeholders.

Additional Services

- Managed Network Services
- Network Audit and Assessment
- Network Design and Architecture
- Network Installation and Configuration
- Wireless Pre-Deployment Survey
- Wireless Validation Survey

Pricing and other conditions are custom to each engagement.