

# Wireless Surveys

## DATA SHEET

New Era Technology offers many types of wireless surveys to ensure proper coverage, improved network capacity, enhanced security, and seamless connectivity. New Era's global network of technicians, with proven processes, training, and tools, provide a local presence with experienced engineering resources to design and improve your wireless network. Survey options include:

### Predictive Design

This survey includes a remote design using software algorithm and customer supplied floorplans and descriptions/pictures of the site. Floorplans are inserted into Ekahau and an access point placement map, heatmaps, etc. are generated. This survey is best used for:

- New Designs
- Design for space with known RF environment
- Repetitive designs for many similar locations

### Passive Survey with Redesign or Troubleshooting

Onsite, software and hardware survey communicating with access points onsite. Assumed to be existing access points previously deployed by the customer. Captures an accurate picture of RF propagation from the access points. Often used by wireless engineers for (1) trouble shooting and/or (2) redesign of existing wireless networks.

#### Redesign Survey Best Uses:

- Redesign of an existing wireless network
- New coverage areas and/or coverage requirements

#### Troubleshooting Survey Best Uses:

- General wireless network performance issues
- Specific trouble areas that need to be evaluated

### Active Survey with Troubleshooting

Onsite, software and hardware survey actively communicating with access points onsite. Captures an accurate picture of RF propagation from existing access points and collects additional RF information on

## Benefits to Wireless Surveys

- Ensuring proper signal coverage and performance for desired area
- Improved Network capacity resulting in improved user experience
- Enhanced Security & Compliance by detecting potential vulnerabilities
- Seamless connectivity for users moving within the network

signal to noise ratios, network health, throughput and latency. Often used for troubleshooting and network performance efforts. This survey is best used for:

- Specific interest in throughput and latency of active network connections

### Validation Survey

Onsite, software and hardware survey communicating with access points onsite. Assumed to be existing access points previously deployed by the customer. Captures an accurate picture of RF propagation from the access points. Results are included in a report displaying the coverage heatmaps. This survey is best used for:

- After completion of a new wireless design or redesign
- After environmental changes (rack moves, etc.)

### Onsite Physical Survey

Onsite survey to determine current condition and availability of wireless infrastructure components, verify AP labeling and locations, and identify signal attenuation factors and obstructions. This survey is best used for:

- No current accounting of AP locations
- Unknown switch port availability
- Planned increase in AP density via redesign

## Contact Us Today.

Ready to discuss more about how your organization can benefit from a wireless survey?

Contact us at:

[neweratech.com/contact-us/](http://neweratech.com/contact-us/)

877-696-7720

