

Wireless LAN Site Assessment



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A Wireless LAN Site Assessment is the starting point for a reliable wireless network deployment and the most important step to ensure the desired operation of that network. Dimension Data's Wireless LAN Site Assessment is a step-by-step process that analyses your environment (offices, production plants and other facilities) to understand its radio frequency (RF) behaviour, discover existing RF coverage areas, check for RF interference and then determine the most appropriate locations to place wireless antennas and access points.

A **Wireless LAN Site** Assessment is the starting point for a **reliable** wireless network deployment and the **most important** step to **ensure the desired operation** of that **network**.

Dimension Data's Wireless LAN Site Assessment:

- Identifies the right components (access points and antennas) you need to provide wireless coverage
- Identifies the optimal placement of wireless devices and components based on RF analysis
- Recommends the features and functions necessary to ensure your wireless architecture is secure
- Reports on your current wireless environment status and recommends a wireless LAN design to fulfil your requirements

Great wireless connectivity starts with structured planning

The Wireless LAN Site Assessment is a critical activity during the planning of your wireless network. To meet your end goal of an optimal wireless LAN solution that meets your mobility requirements, proper planning is needed to address variables such as RF coverage, interference and behaviour, which are not typically present in a traditional wired network.

An upfront site assessment leads to cost Reduction and effective deployment:

- Is a critical activity to maximise the cost reduction and productivity benefits you can achieve through wireless technology
- Ensures you'll be able to effectively implement future mobility services, such as voice or location
- Saves you time and money by first planning and preparing for what is to be built



Dimension Data's approach

The Wireless LAN Site Assessment is derived from best practices and experience we've gained through the wireless network implementation projects delivered by Dimension Data professionals. It's designed to help plan and design wireless infrastructure that supports your business requirements for both data, voice, location based services and also multimedia applications. We'll tailor the scale and intensity of the Assessment to meet your specific business and technical requirements.

Dimension Data's Wireless LAN Site Assessment includes:

A discovery phase

During the discovery phase, we'll scope and plan the assessment. We'll determine and agree a detailed approach and timelines. A Dimension Data professional will visit your environment to identify all relevant physical and technical factors in your facility through an environmental scan based on using industry-leading tools. We'll also gather pertinent information about your network environment, wireless technology and mobility services requirements through a pre-assessment questionnaire and interview.

An analysis phase

During the analysis phase, Dimension Data will review and analyse information gathered during the Discovery. In addition to technology and network topology factors, we'll evaluate various environmental factors that may impact your future wireless network and, if required, the likely effectiveness of specific applications you plan to use on the wireless LAN, such as voice or location based services.

A recommendations phase

Once analysis is complete, we'll combine the findings and requirements gathered during the discovery with our expertise in wireless networking and security to recommend the best wireless approach for you. This will include access point placement based on wireless coverage, user density, capacity and application requirements. We'll provide you with a professional WLAN Site Assessment Report, detailing all the findings and related recommendations for deploying wireless network components.

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We'll tailor the scale and intensity of the Assessment to meet your specific business and technical requirements.

About Dimension Data's networking and wireless solutions

Dimension Data's credentials in networking and wireless solutions make us the clear choice for organisations looking to implement wireless networks designed to enable and support your critical business functions.

Proven expertise

Our 25 year heritage, multiple technical certifications and cross-industry experience has been gained working with over 5,000 clients across the world.

Focus and specialisation

Our expertise in networking combined with our specialised focus in Wireless and Mobility ensures that our clients' overall infrastructure is greater than the sum of its parts.

Reliability

Safe and reliable solution design and implementation. Tried and tested methodologies, best practice tools & global vendor relationships mean reduced risk and better results.

Objectivity

Our visibility of trends, vendor product roadmaps and client challenges means we're constantly working to make sure the right technology is implemented in the right way, at the right time.

Flexibility and agility:

Through our offices worldwide, our Preferred Partner Programme and our adaptable approach we shape solutions that meet our clients' needs – wherever they are.

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