



## **Pre-Wi-Fi Site Survey Questionnaire**



**Customer Name**

**Customer Address Line #1**

**Customer Address Line #2**

**Customer Address Line #3**

**Customer Address Line #4**



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## Wi-Fi Site Survey Questionnaire V2.0 1 Sep 13 Questionnaire

### 1 DOCUMENT HISTORY

Version	Date	Comments
Version 1.0	5 October 2012	Original
Version 2.0	1 September 2013	Revised due to retirement of 1242 access point



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### 2 PURPOSE & SCOPE

This document aims to compile sufficient information to carry out a professional Wi-Fi Site Survey of your site(s).

#### ***Section 3 Site Details***

Specifics of your site or sites including designated members of staff who must be present at the time of the survey.

#### ***Section 4 Access Requirements***

Details are required as to the rules and regulations of your site. For example please state if PPE is required and whether this is provided by the site.

#### ***Section 5 Survey Requirements***

Details the wireless project requirements (type of access point, required link speed, areas requiring coverage etc).

#### ***Section 6 Site conditions***

It is important that the survey engineer is made aware of any conditions specific to your site that may impact on either the survey or the functionality of the proposed wireless LAN.

#### ***Section 7 Customer Signoff***

Please complete this section and E-mail the completed questionnaire to:

[sales@dw-wifi.com](mailto:sales@dw-wifi.com)



### 3 SITE DETAILS

#### 3.1 Site Addresses

Please provide details below of each site where Wi-Fi coverage is required.

Site Name	Address (including Postcode)

#### 3.2 Contact Details

Please designate a member of your staff to act as our main point of contact for the survey. Please note that the designated member of your staff must have technical knowledge and understanding of the required Wi-Fi coverage areas. It is important that this person be both present and available during the survey. Additional members of staff may be nominated if you are concerned as to availability of personnel.

Contact Name	Mobile Telephone	DD Telephone	E-Mail



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### 4 ACCESS REQUIREMENTS

Please detail any special access requirements that may be needed (e.g. security clearance, Health & Safety regulations, special clothing, etc.).

#### 4.1 PPE Requirements

Please identify the required PPE for access to the required Wi-Fi coverage areas. Please confirm whether or not each PPE item will be provided.

PPE Item	Required Yes/No	Provided Yes/No
Protective Footwear (Steel Toe Cap Boots)		
High Visibility Jacket		
Hard Hat / Ear Defenders		
Other (Please specify)		

#### 4.2 Health & Safety Requirements (Risk Assessments / Method Statements)

The site survey process does NOT entail working at height or operating any machinery. It hence is rarely a requirement to fill out a risk assessment or method statement. There may be circumstances, however, where this is a requirement (for example on a green field site where construction work is in progress).

The Wi-Fi engineer will require access to ALL areas where Wi-Fi coverage is a requirement. In these areas a mobile access point mounted on a tripod will need to be positioned within each required coverage area. The engineer will then need to walk each proposed coverage area with a Wi-Fi laptop computer to record essential information. On this basis please confirm your Health & Safety requirements in the table below:

Item	Provided Yes/No
Are there any restrictions on your site on the usage of test equipment (e.g. Wi-Fi laptop, mobile access point)?	
Are there any restrictions on your site on the usage of a digital camera to photograph the required access point locations?	
Does our engineer need to attend a 'Health & Safety' induction?	
Is a Risk Assessment required?	
Is a Method Statement required?	
Are Work Permits required?	



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### 5 SURVEY REQUIREMENTS

#### 5.1 Access Point Selection

Cisco offer an increasingly wide range of Wi-Fi access points. DW WiFi will be happy to advise you on an appropriate selection to meet your requirements.

##### 5.1.1 Select 'Lightweight' or 'Autonomous' Access Points

The first decision to be made is to whether you require 'autonomous' (stand-alone) access points or 'lightweight' (managed) access points. The latter require a Cisco WLAN controller to function. If in doubt, DW WiFi will be happy to discuss the merits of each to help you decide.

Access Point	Description	Select
Standalone	Cisco Standalone Access Points <b>Independent Operation</b>	
Controller Based	Cisco Controller Based Access Points <b>Cisco WLAN Controller Required</b>	

##### 5.1.2 Select 'Wi-Fi Band'

The latest Cisco access points are dual 2.4 GHz and 5 GHz band, You hence have the option of deploying Wi-Fi in the 2.4 GHz band only, the 5 GHz band or both bands. Please select the required option from the following list by placing a tick in the appropriate box. Again, DW WiFi will be happy to advise.

Radio	Description	Select
2.4 GHz ONLY	2.4 GHz Wi-Fi Network	
5 GHz ONLY	5 GHz Wi-Fi Network	
2.4 GHz & 5 GHz	Dual 2.4 GHz and 5 GHz Wi-Fi Network	



5.1.3 Proposed 'Enterprise' Client Devices

It is important that DW WiFi are made aware of any clients that have been proposed for the wireless project. Please place a tick against any of the devices that have been proposed for your wireless project and indicate the proposed quantity of each.

Description	Images	Select	Estimated Quantity
Wi-Fi Laptop Computers			
Wi-Fi Tablet Computers			
Wi-Fi Smart Phones			
Wi-Fi Printers			
Wi-Fi Video Cameras			
Wi-Fi VoIP Handsets			









**5.2 Proposed 'Data Capture' Client Devices**

It is important that DW WiFi are made aware of any clients that have been proposed for the wireless project.

Please place a tick against any of the devices that have been proposed for your wireless project and indicate the proposed quantity of each.

Description	Images	Select	Estimated Quantity
Wi-Fi Handheld Devices			
Wi-Fi Vehicle Mount Devices			
Wi-Fi Mobile Printers			
Wi-Fi Desk Printers			



## 6 SITE CONDITIONS

### 6.1 Ethernet Network

Each access point requires connectivity to an Ethernet network and as such Ethernet cabling (min CAT5) needs to be routed to all access point locations nominated as part of the survey process. Please answer the following questions specific to your wired network.

Please note that DW WiFi does not offer Ethernet cabling as a service. It is our experience that customers often either use in-house resources to install Ethernet cabling or more commonly have a preferred cabling contractor. Please indicate below if you do not have a preferred contractor and require DW WiFi to recommend a company to install the Ethernet cabling.

Question	Yes/No
Do you have existing Ethernet Switches in proposed Wi-Fi coverage areas?	
If yes, is there spare capacity for connection of proposed access points ?	

### 6.2 Existing Wi-Fi

Part of the site survey process will be to identify the presence of existing Wi-Fi access points as these are a potential interference threat. If known, please identify in the table below any Wi-Fi access points deployed on your site.

Manufacturer Model (e.g. Dlink)	Wi-Fi Technology 2.4 GHz or 5 GHz	SSID	Radio Channel

### 6.3 Radio Interference

Please can you ascertain whether there are any other forms of equipment on site operating at 2.4 GHz or 5 GHz. This is potentially a source of interference to the wireless access points.

Device Type (e.g. DECT Phone)	Manufacturer Model	Frequency (e.g. 2.4 GHz)	Location



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### 6.4 Wi-Fi Coverage Requirements

Site plans and/or floor plans will be required for each area of your site where Wi-Fi coverage is required. The site plan can be in any of the following formats:

- PDF Format
- JPG Format
- Autocad Format

Where possible please provide duplicate plans onto which the required Wi-Fi coverage areas are marked/shaded in.

#### **IMPORTANT**

**A site plan and/or floor plans is a requirement in order to conduct the site survey. In the event that a site plan can NOT be made available additional time on site will be required in order to manually produce a site plan.**

Please can you answer the following questions specific to the required coverage areas and their environmental conditions:

Question	Please Indicate
Please confirm site plans have been provided?	
Please confirm the required Wi-Fi coverage areas have been clearly identified on the site plans?	
Please advise if there are any planned changes to the layout of any of the proposed Wi-Fi coverage areas?	
How many buildings are required to be covered?	
Are there multiple floors / mezzanine levels required to be covered?	
How many separate buildings require coverage?	
Approximate size of areas to be covered (number of football pitches)?	
Are there any Cold Store / Chiller areas requiring coverage?	
At what temperatures do the Cold Stores / Chillers operate at?	
Are any areas subject to excessive moisture or dust?	
Are there any external areas requiring coverage?	
Are there any Intrinsically safe areas requiring coverage?	
Do you require a resilient (redundant) solution?	

### 6.5 Further Information

Please detail any other information you may feel is pertinent to the wireless survey.




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### 7 RETURNING QUESTIONNAIRE

Please return the completed questionnaire together with site plans to the following E-Mail address:

➤ [sales@dw-wifi.com](mailto:sales@dw-wifi.com)

The information in the completed questionnaire and the site plans will be required in order to provide an accurate quotation and provide proposed dates to conduct the site survey.