INSERT MAIN SITE PHOTO (PM to do)

Hotel Name

Surveyor
23 October 2026

Change Control

Date	Version	Reason for change

INTRODUCTION

Site Name	
Site Address	
Contact Name	
Contact Position	
Contact Telephone	

Site Survey Requirements	
Type of survey required – Full	All areas of the hotel. In-room 1:1 Layout
Note areas where service is excluded:	Yes
Ideally all areas of the hotel, including back of house are in scope for this survey. The requirement is for one MR36H access point to be installed in each guest room typically behind the TV, and additional guest corridor, public area and BoH APs to allow for services such as VoIP staff handsets. The hotel has confirmed that the following areas are out of scope, stairwells, lifts, staff changing rooms, public toilets.	

Survey Methodology			
Equipment			
Laptop OS:	macOS Sonoma 14.0	Survey software:	Ekahau AI Pro 11.4.1.1
USB adapter:	Sidekick 2	Access point:	MR36 & MR36H
The survey was conducted using the 'AP on a Stick' method, on the basis of an in-room solution of one AP per room located behind the TV, with additional APs installed in the corridor/guest areas to provide 100% coverage. The survey was conducted to ensure that there was a minimum coverage level of -65dBm in all areas.			

Site Details	
Describe in full the number of buildings, floors, meeting rooms and location of bedrooms, etc.	There is only one building to consider for this network. It consists of 6 floors. There are 5 different room types, Queen Standard, 2 Single Standard, Standard, King Premium and Premium. There are 165 rooms in total across 5 of the 6 floors. There is a large restaurant area and bar on the ground floor with 2 private dining rooms and a separate club lounge there are also 10 function/meeting rooms with a large pre meeting area and separate bar.
Describe the architectural structure of the buildings (i.e. stud walls, very thick walls, Grade I/II listed, etc.)	White external insulated render to hotel upper floors to rear elevation Rain-screen cladding system, with varying colours of light grey /silver and gold to hotel upper floors to front elevation. Hotel ground floor entrance area has a mix of curtain-walling (Ppc aluminium double glazed curtain walling system, Bedroom windows: Grey double-glazed windows. Internal structure is breeze block and plaster board.
Do bedrooms have available data ports (yes/no) If yes: 1) Located where? 2) In use?	Yes Behind TV and in desk. It was established that there is only one port behind the TV in the bedrooms which is used for IPTV and in desk was a single port, all were cabled although note that the wired desk connection gave no IP address when connected.

Meeting Rooms					
No	MEETING ROOMS	FLOOR	DATA SOCKETS PRESENT (YES/NO)	PORT LABEL	CABLED TO MDF/IDF
1	One - 80	Ground	Yes		IDFG
2	Two – 200	Ground	Yes		IDFG
3	Three – 30	Ground	Yes		IDFG
4	Four – 40	Ground	Yes		IDFG
5	Five – 40	Ground	Yes		IDFG
6	Six – 40	Ground	Yes		IDFG
7	Seven – 40	Ground	Yes		IDFG
8	Eight – 18	Ground	Yes		IDFG
9	Nine – 8	Ground	Yes		IDFG
10	Ten– 12	Ground	Yes		IDFG
Comments: Rooms 1 & 2 combine for 280 – 3, 4 & 5 combine for 110 – 6 & 7 combine for 80					
Site confirmed that the do not use the floor or wall outlets for data connections, some ports are used for IPTV when required.					

PMS	
PMS INSTALLED	N/A
PMS LOCATION	N/A
INTERFACE PRESENT	N/A
Comments:	
PMS is not integrated into the Wi-Fi as Wi-Fi is free with no landing page etc.	

Third Party Services	
Number of third-party services to be added to the network (i.e. will require switch ports or wifi support)	
SERVICE NAME	**WIRELESS/WIRED/Not applicable**
Smart TV	**Wired**
In room wired 1 port per room	**Wired**

SITE LAYOUT

Floors	Number of rooms	Room numbers
Ground Floor	0	
First Floor	33	101 – 112, 114, 116 - 135
Second Floor	33	201 – 212, 214, 216 – 235
Third Floor	33	301 – 312, 314, 316 – 335
Fourth Floor	33	401 – 412, 414, 416 - 435
Fifth Floor	33	501 – 512, 514, 516 - 535

COMMENTS: In the Club Lounge there is one PC connected to outlet A1-005 and in reception there is a PC connected to outlet A-208 and a printer to A-209 both will require a wired connection for LAN/internet access by guests.

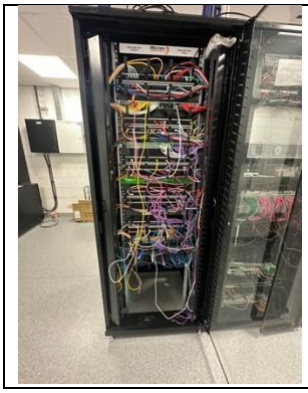
EXISTING NETWORK ARCHITECTURE

Wireless access points			
MAKE	MODEL	QTY	REUSEABLE FOR EDGE
Ruckus	R300	1	
Cisco	Aironet 1142	1	
Cisco	AIR-CAP1602I-E-K9 Aironet 1602i	59	
Network Switches			
MAKE	MODEL	QTY	REUSEABLE FOR EDGE
HP	2615-8	7	
HP	2620-24	8	
HP	2620-48	7	
HP	E5406	1	
Firewall			
MAKE	MODEL	QTY	REUSEABLE FOR EDGE
Cisco	ASA	1	-
Other network hardware			
Nomadix	**EG 6000 Access Gateway**	1	

COMMENTS:

EXISTING/PROPOSED CABINETS

Main Distribution Frame (MDF)	
DESCRIPTION	42 U 800 x 800
LOCATION	Comms room ground floor
CONNECTED TO WHICH OTHER CABINETS	All IDF's
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to each IDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)



Intermediate Distribution Frame (IDFG)	
DESCRIPTION	42 U 800 x 800 serves conferencing area
LOCATION	Door next to meeting room 5
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

Intermediate Distribution Frame (IDF1)	
DESCRIPTION	18U 600 x 600 serves 1st floor
LOCATION	Riser next to lift lobby
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

Intermediate Distribution Frame (IDF2)	
DESCRIPTION	18U 600 x 600 serves 2nd floor
LOCATION	Riser next to lift lobby
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

Intermediate Distribution Frame (IDF3)	
DESCRIPTION	18U 600 x 600 serves 3rd floor
LOCATION	Riser next to lift lobby
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

Intermediate Distribution Frame (IDF4)	
DESCRIPTION	18U 600 x 600 serves 4th floor
LOCATION	Riser next to lift lobby
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

Intermediate Distribution Frame (IDF5)	
DESCRIPTION	18U 600 x 600 serves 5th floor
LOCATION	Riser next to lift lobby
CONNECTED TO WHICH OTHER CABINETS	MDF
UPLINK CABLE (COPPER/FIBRE)	Copper (Fibre is available)
DESTINATION OF UPLINK(S)	3 copper links to MDF
UPLINK CABLE INTERFACE (RJ45/LC/SC/ST/Single-mode, Multi-mode)	RJ45 (OM3 Multimode LC Duplex is available)

COMMENTS

IDF on every floor 1 - 5 and conference area, all connected down to main MDF, currently using 3 copper connections per IDF, fibre is available but not tested during survey. Blue cables for analogue voice, white cables for AP and in room wired, black cables for IPTV.

HEATMAPS – PROPOSED NETWORK TEST SURVEY LOCATIONS

Access point placement areas	
LIST AREAS WHERE YOU HAVE PLACED ACCESS POINTS FOR TEST SURVEY BELOW	
Property area	Specific location
Ground floor	Existing AP Locations to cover all Public and BoH areas, additional areas in conference due to poor coverage (customer complaints confirmed by maintenance).
First floor	Behind TV in each room, in riser near room 134, 127, IDF, 108, Housekeeping, Stair Lobby at each end of corridor.
Second floor	Not covered in survey.
Third floor	Behind TV in each room, in riser near room 334, 327, IDF, 308, Housekeeping, Stair Lobby at each end of corridor.
Fourth floor	Not covered in survey.
Fifth floor	Behind TV in each room, in riser near room 534, 527, IDF, 508, Maintenance room, Stair Lobby at each end of corridor.

RECOMMENDATIONS

Based on the survey results there will be coverage in all bedrooms and required areas.

Wireless access point recommendation summary	
AREA	MODEL
Bedrooms	MR36H
Lobbies and Corridors	MR36
Restaurant and Meeting Area(s)	MR36 & MR46
Office Area	MR36
Other Areas	MR36

COMMENTS: There is a single UTP outlet installed behind each TV location. This is where the Meraki MR36H access point will be installed. The ground floor APs should be run to the MDF and the conference AP's to the ground floor IDF in the conferencing area.

SUMMARY OF PROPOSED NEW HARDWARE

BOM for site	
HARDWARE LIST	QTY
Core Switch	1
Remote Switch	11
Meraki MR36 Access Point	45
Meraki MR36H Access Point	165
Meraki MR46 Access Point	2

CABLING REQUIREMENTS

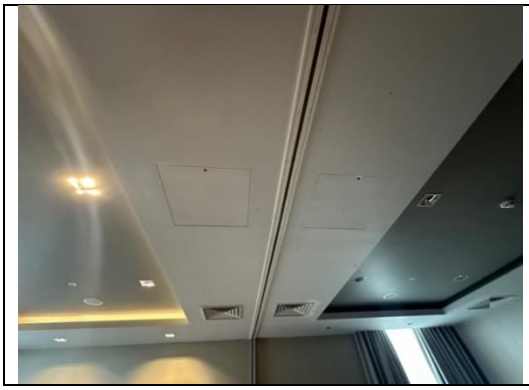
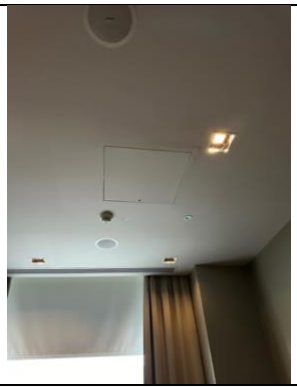
Location	Existing Cables	New Cables
Ground Floor	11	9
First floor	40	0
Second Floor	37	1
Third Floor	37	1
Fourth Floor	37	1
Fifth Floor	38	0

COMMENTS: **New cables for conference area to go back to IDFG**

SPECIAL CABLING SCENARIOS

Questions	Yes/No	Quantity
Are there any special cabling difficulties?	No	
Are new hatches required?	No	
Are plastic trunks required?	No	
External cabling required	No	
Special access equipment	No	
Special tools required	No	

COMMENTS: Ground floor conference area has multiple access hatches but is at 3.5 metres high, cable run through ceiling void.

INSTALLATION CONSIDERATIONS

COMMENTS: Ground floor existing AP are inside the ceiling accessed by hatch and either on brackets or resting ontop the suspended ceiling.

COMMENTS: Existing Corridor AP's are cable tied onto waste pipes in risers.

COMMENTS: Each room has an RJ45 socket which is currently used for the IPTV, the MR36H AP bracket will fit in place of the RJ45 cover and the AP will mount without the need for any alteration to the TV mount.

CABINETS, UPLINKS & SWITCH RECOMMENDATIONS

PROPOSED NETWORK CABINETS				
Cabinet	**Location**	**New/Existing**	**Dimensions**	**Power outlets**
MDF	Ground Floor Comms Room	Existing	42U 800x800	3 x 12 3-pin PDU
IDFG	Ground Floor Comms Room	Existing	42U 800x800	1 x 12 3-pin PDU
IDF1	First Floor	Existing	18U 600x600	1 x 6 3-pin PDU
IDF2	Second Floor	Existing	18U 600x600	1 x 6 3-pin PDU
IDF3	Third Floor	Existing	18U 600x600	1 x 6 3-pin PDU
IDF4	Fourth Floor	Existing	18U 600x600	1 x 6 3-pin PDU
IDF5	Fifth Floor	Existing	18U 600x600	1 x 6 3-pin PDU

COMMENTS: IDF's on floor 1-5 have no space in the rack to mount the new switches until the old switches are taken out.

PROPOSED CABINET INTER-LINKS				
CABINET	**REMOTE CABINET**	**NEW/EXISTING**	**LINK TYPE/INTERFACE**	**New/Spare/Re-use**
MDF	IDFG	Existing	Fibre/1000	Re-use
MDF	IDF1	Existing	Fibre/1000	Re-use
MDF	IDF2	Existing	Fibre/1000	Re-use
MDF	IDF3	Existing	Fibre/1000	Re-use
MDF	IDF4	Existing	Fibre/1000	Re-use
MDF	IDF5	Existing	Fibre/1000	Re-use

COMMENTS: Each IDF has 8 copper links and 4 fibre pairs, the fibre links are not currently in use. The fibre links should be tested to ensure they are functional.