

# SAPO Network Upgrade Project

Site Survey report for: Emahleni Central (39571)  
Tel: 013 690 2921

Site Address: 39 Mandela Street - (Hospital Section)

Date: 04/July/2019

Survey conducted by:

BCK Akhanya	Obed Mmopane	6610155587082	0794913879
BCK Akhanya	Nthato Kibe	8505285738084	0839939100

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# SAPO Network Upgrade Project

Site Survey report for: Emalahleni Central (39571)  
Tel: 013 690 2921

Site Address: 14-18 Paul Kruger Street

Date: 04 July 2019

Survey conducted by: SITE B (Hospital)

Bex Akhanya	Obed Mmopane	6610155587082	0794913879
Bex Akhanya	Nthato Kibe	8505285738084	0839939100

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## 1. Overview:

The project entails the replacement of CISCO hardware with Huawei hardware and this includes, switches, routers phones and AP's, at 1613 SAPO Sites nationally.

The purpose of this survey is so that System Integrators and Architects that could not make it to site, have enough information to do the planning and topology for a successful migration. If any information is not recorded in this survey that you think may be valuable, please add it so as to save valuable time and possible rollbacks.

1. Access to the site needs to be arranged so before you go, we need the name, cellphone and ID number of each person going to site
2. Photographs are key, so please take a clear photo of each cabinet. We need to know how much space is available in the cabinet so that if possible, a parallel installation can take place.
3. It is important to find all the cabinets (or racks) on the site so as to avoid multiple trips and incorrect designs.
4. If any room requires special access or keys, please take note of these and who typically has the keys so that they can be contacted to open up.
5. All cabinets that contain Cisco Hardware needs to be recorded even if the rack is dormant
6. List all the hardware in a rack, the model and number of ports.
7. Try and get a floor diagram or else take a photo of the evacuation plan if there is one or as a last resort, make simple drawing indicating the entrance to the building and the rough estimate of where the rooms are that contain networking equipment, AP's, etc.
8. Ask a knowledgeable person if there is a single network or possibly more than one network. In some mail centers we found the conveyor belted sorting machines run on a separate (and out of scope) network.
9. Very important, record all cameras that do not work (if applicable) as well as telephones, printers, etc. We don't want to troubleshoot a device after cutover that was already dead when we got there.

### Cameras:

1. Does the site use Cameras? NO
2. If so approximately how many? N/A
3. Are they all working? N/A
4. How many are faulty? N/A

### Telephones:

1. Does the site have VOIP Phones? NO
2. If so, how many? N/A
3. Are they all working? N/A

### Printers:

1. How many printers are there (approximately)? 3
2. How many printers are working? 2

### Scanners:

1. Do they use hand held scanners? NO
2. What make and model do they use? N/A
3. Do they connect remotely via APs? N/A



**Access Points (AP):**

1. How many AP's are there? NONE
2. How high are they mounted to the wall or if on ceiling, how high is that? (approximately) N/A

**Cabinets:**

1. How many networking cabinet locations are there including main computer room? ONE
2. Who has the keys for all the rooms or cages that are locked (some mail sorting areas have security protocols to gain access to restricted mail so determine if this is the case). These people may have to be available after hours and weekends.

Name/s: RESINA SEDICE Cellphone Number: 072 8425 373

Name/s: \_\_\_\_\_ Cellphone Number: \_\_\_\_\_

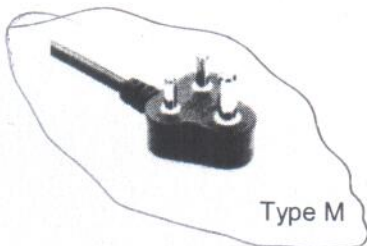
**On site IT personnel:**

1. Do they have any onsite IT staff and what is their specialty? (Desktop, applications, networks, etc) NO
2. Name and contact number: N/A

## 2. Main computer room

	Device make, type and model	Number of ports in total
1	Example: Cisco Router 5670 <u>Cisco Router 2800</u>	48 ports <u>2</u>
2	<u>NTU Device 536495300</u>	<u>1</u>
3	<u>Cisco Switch Catalyst 3560 Series</u>	<u>24 Ports</u>
4	<u>Cat 6 Patch Panel x 2</u>	<u>24 Ports</u>
5		
6		
7		

1. Take photo of entire cabinet.
2. Is the room dusty? yes
3. Is there a working aircon? NO
4. How many power points are being used? 5 Woks
5. How many spare power points are there? 2
6. Are the power connections in the rack normal 3 pin (Type M) or kettle cord (C13 or C14)? 3 Pin



Type M



IEC-C13 to Type M 60 Power C.

C13



C14

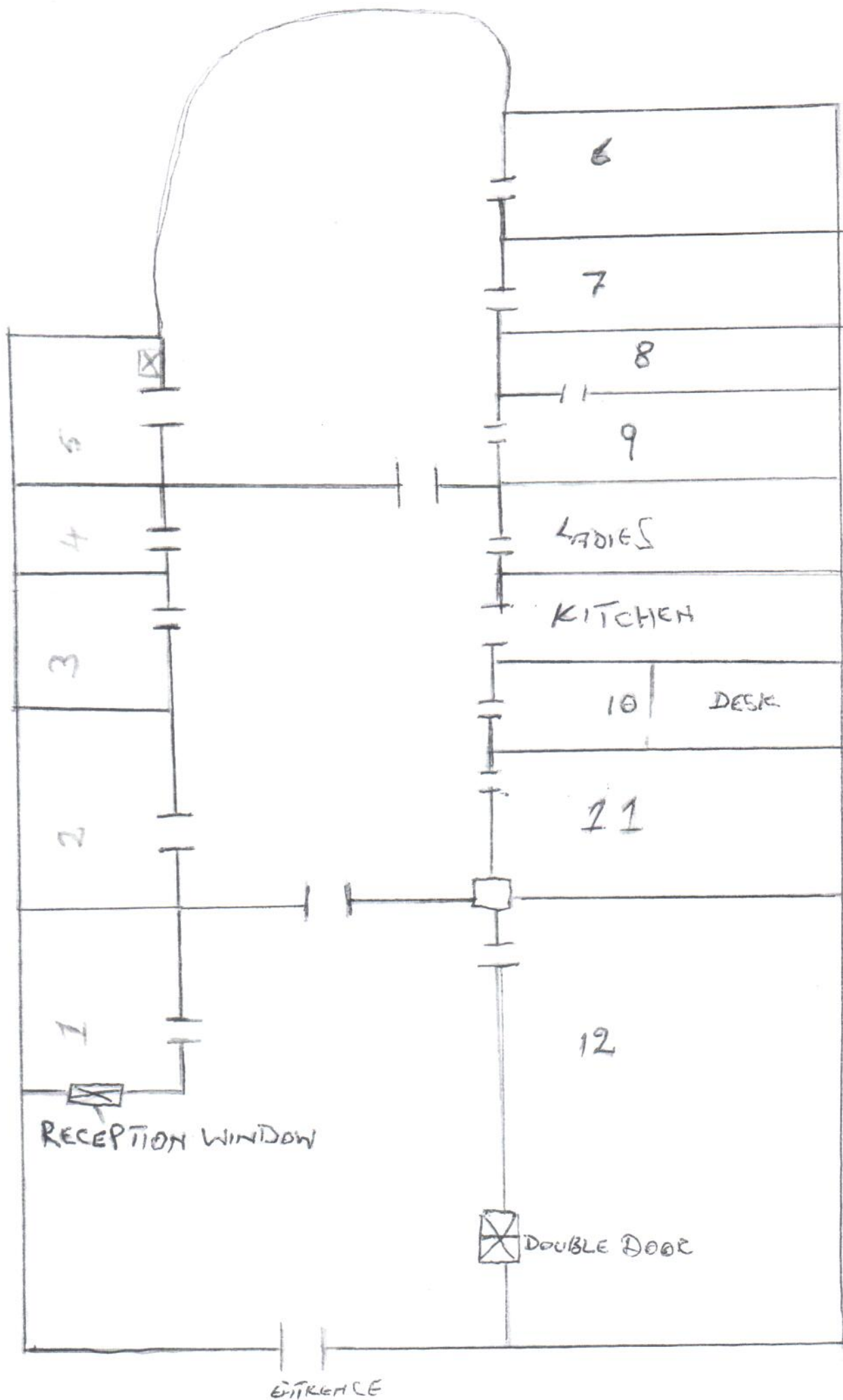
7. To connect the satellite cabinets to the main computer room, they would have used either copper (RJ45) or Optic Fibre. Which one was used and how many connections can you see? NTU Device
8. If they used Optic, what sort of connectors are on the Optic Fibre (LC or SC for example) SC (But NOT connected)
9. Is the Copper cabling CAT5 or better? If not, what category is the cabling? CAT 6
10. How much space is available in the cabinet/s for additional devices (approximately) 4 U
11. Are there any servers on Site? NO
  - a. What are they used for? H/P
  - b. Who maintains them? Name: H/P
12. Is there space in the room to configure routers and switches? NO if not, is there a room nearby and what is it called? Board Room (a table and power point is fine)
13. Can you see the ME link termination device with the Optic installed? yes Please take a photo.

Fiber but not connected

**10. Any other relevant information**

Cabinet Cleanup
Security Investigating OFFICES office need
1x extra network point
In the board Room, Floor Points 11 (eleven) doesn't have
Flyleads. Some of the floor points in the offices
have short flyleads.
SITE REQUIRES UPGRADE - NO Equipment
Provided.

**11. Sketches (if applicable)**



1. Reception
2. INFRASTRUCTURE OFFICE
3. SECURITY INVESTIGATING OFFICER
4. EMPLOYER RELATIONS
5. COMPUTER ROOM
6. AREA MANAGER
7. HERRY'S OFFICE
8. OPERATIONS & FINANCE (SPARE ROOM WITH DESK)
9. OPERATIONS & FINANCE (MAIN OFFICE)
10. NO NAME (SPARE OFFICE)
11. HUMAN CAPITAL DEVELOPMENT ETD - PRACTITIONER
12. BOARD ROOM.

HOSPITAL POST OFFICE

FLOOR PLAN

AND NUMBERING OF OFFICES.