

Stage 1 - Ready for Server Re-positioning

The Server Room is now ready for IT Services to start re-siting the Servers into their new home. All the new Server Cabinets for Stage 1 (8 in total) are now in position and connected ready for the server moves during March.



Server Cabinets in Position

All cabinets have been strategically placed and communication links and network switches have also been installed and are

ready for connection to the main hospital network.

The cabinets are situated in zones and each network, interconnection and power cable is individually marked and catalogued (yellow markers) to allow easier recognition, maintenance and fault diagnosis.



Network cabling runs from each cabinet to a central Patch panel which is then



Central Cable Connection Panel

linked to our core network switch on the main hospital network.

The new Power Service room is now ready with the 1st Uninterrupted Power Supply (UPS) in place, tested and ready for our Servers to be connected.



New UPS Room

10 Gigabit - New Network Communication Infrastructure

To meet future Network Communication demands we have installed a 10 Gigabit (Gb) capable cabling Network within the new Server Room. This infrastructure has been designed to give us interconnection flexibility allowing each Server Cabinet either to be connected via intermediate Cisco network switches or through our main core switch. This will allow faster communication speeds between our different applications within the Server Room and out onto the hospital network.

10Gb capability requires specialised state-of-the-art technologies so we are using Brandrex badged cabling components throughout.



Augmented CAT6 Keystone metal jacks are being used for the cabling interconnection that provide 500MHz performance and superior electromagnetic shielding necessary to ensure reliable 10Gb communication speeds.

Special low profile shielded cabling is also being used.



This cabling meets all the electrical and physical requirements demanded by 10Gb technology and is specifically designed to meet the challenges of a Data Centre environment.



Angled Patch Panels are being used which are designed to reduce bending stresses on the high performance network cables and allow easier cable management. Cables are directed horizontally maximising cabinet space.

Special points of interest:

- **PLANNED COMPLETION DATES**
STAGE 1: 10TH APRIL
STAGE 2: 29TH MAY
- **RADIOLOGY PACS**
INSTALL: MID APRIL

Ordering and Delivery Status

ORDER STATUS

- CABLING AND SWITCHES ORDERED FOR STAGE 2
- SERVER RACKS ORDERED FOR STAGE 2

DELIVERY SCHEDULE

- STAGE 1 CISCO NETWORK SWITCHES INSTALLED
- MAIN SWITCH GEAR - OPERATIONAL
- AIR CONDITIONING - STAGE 1 INSTALLED AND OPERATIONAL
- SERVER RACKS INSTALLED

Server Shutdown Status

Planned Shutdowns Dates for Stage 1 of Construction.

- **POWER**
CONNECTION OF MAIN POWER CABLES - COMPLETED
- **SERVER DE-CANT**
STAGE 1A - COMPLETED

STAGE 1B - VARIOUS APPLICATIONS (NON-CRITICAL)
- SATURDAY 28TH MARCH
- SUNDAY 29TH MARCH

NOTE:

ALL APPLICATION DOWNTIMES WILL BE PHASED DURING THESE PERIODS. DOWNTIME FOR CRITICAL DEPARTMENTAL APPLICATIONS ARE PLANNED NOT TO EXCEED 3 HOURS