

# **Exchange power supply**

draft copy

## **Alresford**

UPS under work bench supplies a number of 240v 13amp mains sockets to run the Norstar switch, sockets are marked with a red dot indicating not to be switched off or unplugged.

A number of 240v 13amp mains sockets marked with a green dot are a mains direct supply for non essential equipment.

PP2040 feeds 50v to a fuse panel above the comms rack.

A second 50v feed goes to the signal box locking room for miscellaneous circuits; it is then teed to the station house terminating in the kitchen.

A third 50v feed goes to the MAR.

The comms rack contains its own UPS for the server and exchange PC.

## **Ropley**

PP2040 feeds 50v to fuse panel 1 under the MDF, 3 inverters also under the MDF are fed from this fuse panel, 2 inverters are for the Norstar switch, one double 240v 13amp mains socket per inverter, marked with a red dot.

The third inverter feeds one double 240v 13amp mains socket behind the comms rack and is used for IT items, marked with a red dot.

Fuse panel 2 is behind the comms rack, at present this has a temporary 50v feed from fuse panel 1, this will be replaced with a direct feed from the PP2040 when it is moved to the cellar, the new cable has already been run.

Two 240v 13amp mains sockets marked with a green dot are a mains direct supply for non essential equipment, one behind the comms rack and the other to the right of the MDF.

## **Medstead**

PP2040 feeds 50v to fuse panel 1 under the MDF, 3 inverters also under the MDF are fed from this fuse panel, one inverter is used for the Norstar switch and the other 2 spare. Inverter 4 is in the comms rack for the miscellaneous IT equipment.

Fuse panel 2 is above the PP2040, this feeds an inverter located in the new comms rack and is used for the NTU shelf.

Separate 50v supplies go from the PP2040 to the signal box locking room, SPT cabinet and telecom store.

Mains direct sockets, one double left hand side of the work bench, one double above PP2040 and a double left hand side of the window.

## **Alton**

PP2040 feeds 50v to fuse panel 1, this runs 1 inverter located in the comms rack for the NTU shelf.

Fuse panel 2 is under the MDF, 2 inverters also under the MDF for the Norstar 032 switch are fed from this fuse panel, one double 240v 13amp mains socket per inverter, marked with a red dot. A third inverter fed from this fuse panel is located inside the comms rack for IT equipment.

Mains direct sockets, one double behind the comms rack, two doubles on left hand wall.