Site Hardware Installation SOP Draft

Power Cabinet

Location (Cabinet)
-Preferably centrally located, safe lockable room
-Well Ventilated

Location (Components)
-Connect Baobab main switch before facility mains switch
-3 Core Cable from distribution box inside conduit
-Earth Charger
-Fans (A/C) - Bottom (In), Middle (Out), Top (Out)
-Charger fan face inside
-3 A/C Breakers (Left) - Main Switch, 15 Amp, 10 Amp
-3 D/C (Right) - 15 Amp 1-charger 2-server cabinet 3-Load
-2.5 mm cable for wiring
-1.5 mm insulated cable (white) for fans
-Labels
-Terminals
-Locks

Server Cabinet

Location (Cabinet)
-Preferably centrally located, safe lockable room
-If a point is more than 60 metres from cabinet, move cabinet to central location, otherwise place ontop of power cabinet

Location (Components)
-Server on the left
-Switch on the right
-Trunking down the middle
-Power Speakons on the sides

Switch Cabinet (4U)

Security
-Lockable
-Only accessible with ladders (2+ Metres above ground)

Components
-Equipment must be mounted
-Must be Level (Use Spirit Level)
-Power socket to be placed inside cabinet
-All cables/equipment to be labeled

Cabling Layout

-Straight Tubings (Use Bubble Level)
-Inside a room (Trunking)
-Ceiling (PVC Conduit)
-Underground (Water Pipe)
-Covered Walkways joining buildings(PVC Pipe)
-Saddles on all waterpipes and conduits (Approximately 1 Metre spacing)
-If distance exceeds 25 metres without a break, round boxes should be used
-4 mm cable to be used between power, switch and server cabinets
-2.5 mm cable to be used from switch cabinets to terminal points
-6mm cable from solar panels to power cabinet
-4mm cable from tower to cabinets
-CAT 6 Ethernet Cable For installations (Recommend KUWES)
-Outdoor CAT 6 Cable for outdoor use/installations
-Data/Power Sockets to be mounted table height (approximately 1 metre above the ground)

Labeling Of Equipment

-All Equipment to be labelled (Switch, Router, AVS, Charger, LVD)
-Baobab Contact details to be displayed (Helpdesk Phone Numbers)

Post H/W Installation

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