**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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