Hardware Installation SoP

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1.0 Applicability

This SoP describes the operation, function, and guide line of hardware installation in site where baobab systems will be used.

1.1 Users

It is to be used by installation and support officers and quality assurance team.

2.0 Safety

All the officers must understand the hazards related to electrical installation and all that build safety.

2.1 Improper usage

Failure to use this will lead to poor quality out look of the site, and poor performance of the system.

3.0 Coverage of the SoP.

This document will provide guide lines on

- Power installations
- Network installation

3.1.0 Power Cabinet

The power cabinet is the unit which handles all the power related gadgets. It is one of the most important unit in the installation. This needs to be installed in a secured and centralized place. It is recommended that the server cabinet be installed in the same area.

Power cabinet house the following items:-

- Main switch
- AC Circuit breaker
- Twin surface socket
- Automatic Voltage Switch (AVS)
- Battery charger, this can be 48V or 24V depending on the system.

- DC circuit breakers
- Low voltage disconnect
- Batteries
- Cooling Fans

3.1.1 Function of Items

3.1.1.0 Main switch

The main switch is installed to protect when there is earth leakage over current drawing.

Feed cable should be connected from the building main feed to the main switch in the cabinet. Connect the feed behind the main switch of the building so that there is no disturbance on the response.

3.1.1.1 Ac circuit breaker