

Electrical Room and UPS Room

A separate room shall be provided to contain the data center associated electrical equipment, including the switchboard, various electrical panels, generator automatic transfer switch, UPS systems, and input/output boards.

Electrical and UPS room should be as near as possible to both the main building electrical room and the generator.

The electrical room may require two exits, with doors opening in the outward direction from the room, and the doors and equipment with panic hardware as required by Rwanda Information Society authority. Secondary exit routes may pass through other associated spaces such as the battery room if permitted by Rwanda Information Society authority. .

Battery rooms with batteries containing liquid, free flowing electrolyte shall include electrolyte spill containment and exhaust systems as required by local codes.

If the batteries are in a dedicated battery room, the battery room should be adjacent to the associated electrical room.

The battery room should be located at grade level if feasible. Below grade can create a flooding hazard. Above grade can create a floor loading hazard.

The battery room should be designed to accommodate the anticipated maximum floor loading. The battery room should not be located above a computer room space.

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