

Minimum Baseline for future Networking Services

As a baseline all buildings wiring, electronics and infrastructure should be brought up to today's published standards. Desktops speeds should be at a minimum 10/100MB. The uplink from each closet should be at least 1GB. The network protocol should support IP only.

On the Access Layer no network segment shall support more than 300 users or 6 switches. Each building will have a single uplink to the distribution layer. A building distribution device is justified if 3-4 network segments exists.

In the Distribution layer of the network devices will aggregate to buildings. Each distribution switch will have 2 uplinks to the core layer.

Attachments J & K: show how each core site will link to at least 2 other core sites. A core layer device may also serve as the Distribution Layer for the building. A failure of a core device will not affect the availability of links connected to other core sites. **J:** is a Visio diagram showing these physical relationships. **K:** shows how this would overlay to the campus as it is laid out today.