VOIP Requirements

Network Cabling

Cabling requirements for VoIP
- CAT5e/6
    o Preferred - Best case scenario

- CAT5
    o Not fully supported for 10/100/1000 applications
    o Can work, some risk in certain scenarios

- CAT3 will need to be replaced

- Each VoIP phone will need to connect directly to a PoE switch
    o No Ethernet splitters

Network Switching

- Power over Ethernet
    o Must support 802.3af POE standard

- VLANS
    o Phones must be on a separate voice VLAN

- Quality of Service (QOS)
    o Switches must be able to respond to DSCP markings and prioritize voice appropriately

- Switching Options:
    o Re-use existing switches if the requirements above are met
    o Purchase new Cisco switches (models to be suggested by Netech)
    o Purchase Power Midspans (models to be suggested by Netech)
    o Purchase Power cubes for each phone