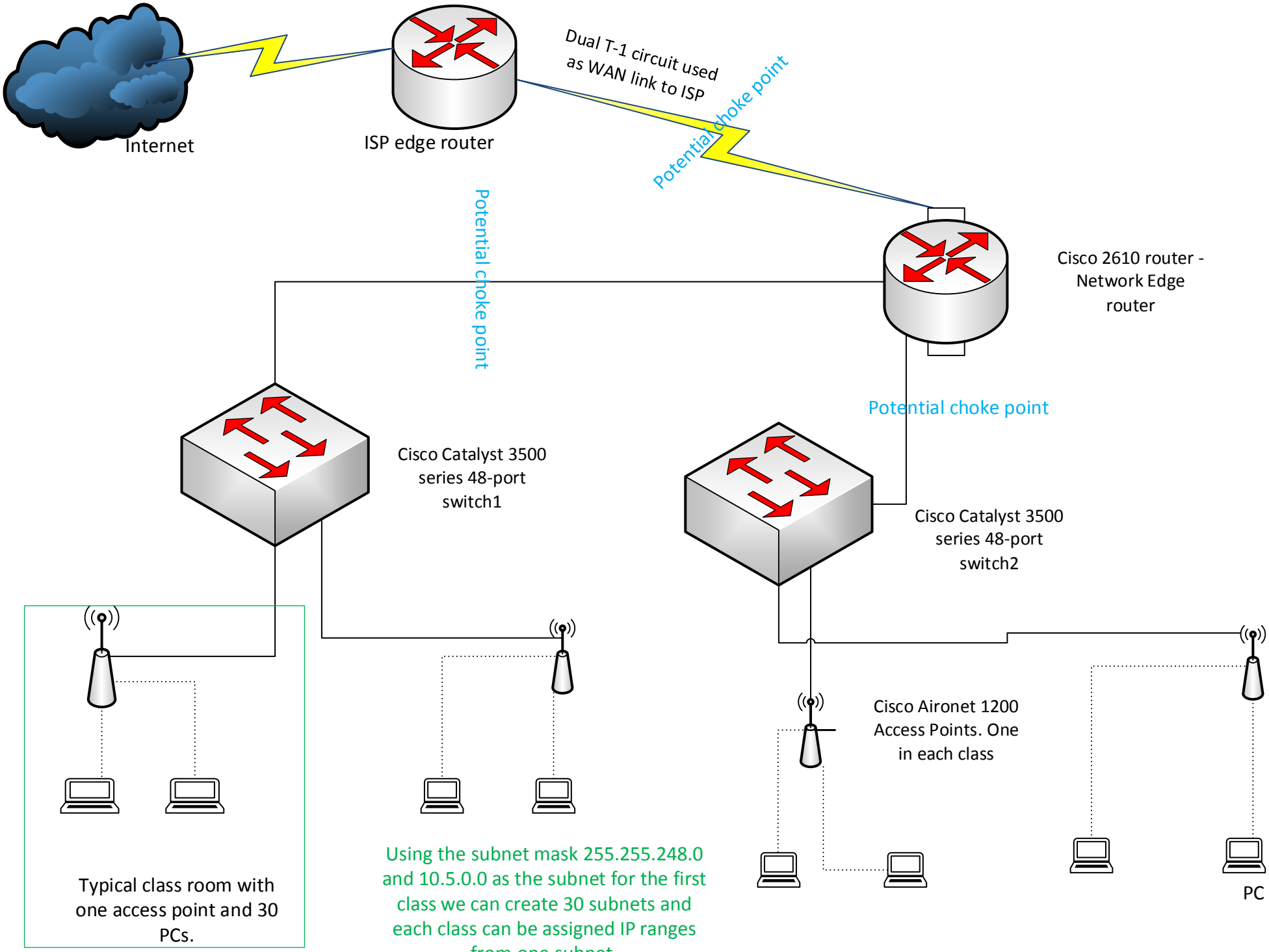
Internet
ISP edge router
Dual T-1 circuit used as WAN link to ISP
Potential choke point
Potential choke point
Cisco 2610 router - Network Edge router
Potential choke point
Cisco Catalyst 3500 series 48-port switch1
Cisco Catalyst 3500 series 48-port switch2
Cisco Aironet 1200 Access Points. One in each class
PC
Typical class room with one access point and 30 PCs.
Using the subnet mask 255.255.248.0 and 10.5.0.0 as the subnet for the first class we can create 30 subnets and each class can be assigned IP ranges from one subnet.