**EO 001.04.01 – Internet Protocol Confirmation Questions**

1. What does IPv4 Stand for?
   1. Internet Protocol Version 4
2. How many Octets are in a IPv4 address?
   1. Four
3. What are the 2 identifiers of an IP address?
   1. The network identifier and the host identifier
4. How many bits are in a IPv4 address?
   1. 32 bits
5. How many groups are in a IPv6 address?
   1. 8
6. How many bits are in a IPv6 address?
   1. 128 bits
7. What is an IPv6 address converted into after being converted from binary to decimal?
   1. Hexadecimal
8. What does two colons mean in a IPv6 address?
   1. If two or more blocks contain consecutive zeroes, omit them all and replace with a double colon sign.
9. What do you call dividing a network into two or more networks?
   1. Subnetting
10. How can information be passed between two sub networks?
    1. Through a router
11. What number denoted the network identifier?
    1. 255
12. How many “255” octets does a Class C network have?
    1. 3, (255.255.255.0)
13. At what level do port numbers normally operate at?
    1. The software level
14. What are the two common transport protocols that use port numbers?
    1. TCP and UDP
15. What are the high number ports identified as?
    1. Ephemeral ports
16. Give a couple examples of ports that you should not use in a TDL network?
    1. 20, 21, 22, 23, 25, 80, 110, 143, 443