**EO 001.04.03 – Networking Equipment Confirmation Questions**

1. What is the primary function of a router?
   1. To connect two or more packet-switched networks or subnetworks.
2. What are the two main types of routers?
   1. A wireless router and a wired router
3. What is the main purpose of a switch?
   1. To connect devices that reside in a network.
4. What is the main difference between a router and a switch?
   1. Routers select paths for data packets to cross networks whereas switches are used to interconnect devices within a single network.
5. What physical device is required within a system to connect to a network?
   1. A Network interface card (NIC)
6. What does the NIC provide?
   1. A NIC provides a connection between systems through internet protocol. It is what allows a system to have an IP address.
7. How does a firewall control network traffic?
   1. Based on a set of rules.
8. Where does a firewall reside on a network typically?
   1. Between a trusted network and an untrusted network.
9. What are the two main factors to consider when selecting the appropriate ethernet cable?
   1. Maximum distance and throughput.
10. What type of connector is used on most ethernet cables?
    1. RJ-45