Domain 1: Network Security and Firewalls

1.1: Define the significance of network security, and identify various elements of an effective security policy, including risk factors, security-related organizations, key resources to secure, general security threat types, access control.

1.2: Define encryption and the encryption methods used in internetworking.

1.3: Use universal guidelines and principles of effective network security to create effective specific solutions.

1.4: Apply security principles and identify security attacks.

1.5: Identify firewall types and define common firewall terminology.

1.6: Plan a firewall system that incorporates multiple levels of protection, including firewall system design, proactive detection, setting traps, security breach response, security alerting organizations.