

Domain 1: Security and Risk Management

- 1.1 Understand and apply concepts of confidentiality, integrity and availability
- 1.2 Evaluate and apply security governance principle
- 1.3 Determine compliance requirements
- 1.4 Understand legal and regulatory issues that pertain to information security in a global context
- 1.5 Understand, adhere to and promote professional ethics
- 1.6 Develop, document, and implement security policy, standards, procedures, and guidelines
- 1.7 Identify, analyse and prioritise Business Continuity (BC) requirements
- 1.8 Contribute to and enforce personnel security policies and procedures
- 1.9 Understand and apply risk management concepts
- 1.10 Understand and apply threat modelling concepts and methodologies
- 1.11 Apply risk-based management concepts to the supply chain
- 1.12 Establish and maintain a security awareness, education, and training program

Domain 2: Asset Security

- 2.1 Identify and classify information and assets
- 2.2 Determine and maintain information and asset ownership
- 2.3 Protect privacy
- 2.4 Ensure appropriate asset retention
- 2.5 Determine data security controls
- 2.6 Establish information and asset handling requirements

Domain 3: Security Architecture and Engineering

- 3.1 Implement and manage engineering processes using secure design principles
- 3.2 Understand the fundamental concepts of security models
- 3.3 Select controls based upon systems security requirements
- 3.4 Understand security capabilities of information systems (e.g., memory protection, Trusted Platform Module (TPM), encryption/decryption)
- 3.5 Assess and mitigate the vulnerabilities of security architectures, designs, and solution
- 3.6 Assess and mitigate vulnerabilities in web-based systems
- 3.7 Assess and mitigate vulnerabilities in mobile systems
- 3.8 Assess and mitigate vulnerabilities in embedded devices
- 3.9 Apply cryptography
- 3.10 Apply security principles to site and facility design
- 3.11 Implement site and facility security controls

Domain 4: Communication and Network Security

- 4.1 Implement secure design principles in network architectures
- 4.2 Secure network components
- 4.3 Implement secure communication channels according to design