

Building an ISO 27001-Compliant Cybersecurity Program: Getting Started

with Marc Menninger



Statement of Applicability

ISO 27001:2013 Controls			Applicable (Y/N)	Justification for Exclusion	Justification for Inclusion				Implemented (Y/N)	Evidence of Implementation
Clause	Sec	Control Objective/Control			LR	CO	BR/BP	RRA		
Security Policy	5.1	Information security policy								
	5.1.1	Policies for information security								
	5.1.2	Review of the policies for information security								
Organization of Information Security	6.1	Internal organization								
	6.1.1	Information security roles and responsibilities								
	6.1.2	Segregation of duties								
	6.1.3	Contact with authorities								
	6.1.4	Contact with special interest groups								
	6.1.5	Information security in project management								
	6.2	Mobile devices and teleworking								
	6.2.1	Mobile device policy								

	6.2.2	Teleworking								
Human Resource Security	7.1	Prior to employment								
	7.1.1	Screening								
	7.1.2	Terms and conditions of employment								
	7.2	During employment								
	7.2.1	Management responsibilities								
	7.2.2	Information security awareness, education, and training								
	7.2.3	Disciplinary process								
	7.3	Termination or change of employment								
	7.3.1	Termination or change of employment responsibilities								
Asset Management	8.1	Responsibility for assets								
	8.1.1	Inventory of assets								
	8.1.2	Ownership of assets								
	8.1.3	Acceptable use of assets								
	8.1.4	Return of assets								

Asset Management (continued)	8.2	Information classification								
	8.2.1	Classification guidelines								
	8.2.2	Information labeling and handling								
	8.2.3	Handling of assets								
	8.3	Media handling								
	8.3.1	Management of removable media								
	8.3.2	Disposal of media								
	8.3.3	Physical media transfer								
Access Control	9.1	Business requirements of access control								
	9.1.1	Access control policy								
	9.1.2	Access to networks and network services								
	9.2	User access management								
	9.2.1	User registration and de-registration								
	9.2.2	User access provisioning								
	9.2.3	Management of privileged access rights								
	9.2.4	Management of secret authentication information of users								

Access Control (continued)	9.2.5	Review of user access rights								
	9.2.6	Removal or adjustment of access rights								
	9.3	User responsibilities								
	9.3.1	Use of secret authentication information								
	9.4	System and application access control								
	9.4.1	Information access restriction								
	9.4.2	Secure login procedures								
	9.4.3	Password management system								
	9.4.4	Use of privileged utility programs								
	9.4.5	Access control to program source code								
Cryptography	10.1	Cryptographic controls								
	10.1.1	Policy on the use of cryptographic controls								
	10.1.2	Key management								
	11.1	Secure areas								

Physical and Environmental Security	11.1.1	Physical security perimeter								
	11.1.2	Physical entry controls								
	11.1.3	Securing offices, rooms, and facilities								
	11.1.4	Protecting against external and environmental threats								
	11.1.5	Working in secure areas								
	11.1.6	Delivery and loading areas								
	11.2	Equipment security								
	11.2.1	Equipment siting and protection								
	11.2.2	Supporting utilities								
	11.2.3	Cabling security								
	11.2.4	Equipment maintenance								
	11.2.5	Removal of assets								
	11.2.6	Security of equipment and assets off-premises								
	11.2.7	Secure disposal or reuse of equipment								
	11.2.8	Unattended user equipment								
	11.2.9	Clear desk and clear screen policy								

Operations Security	12.1	Operational procedures and responsibilities								
	12.1.1	Documented operating procedures								
	12.1.2	Change management								
	12.1.3	Capacity management								
	12.1.4	Separation of development, test, and operational facilities								
	12.2	Protection from malware								
	12.2.1	Controls against malware								
	12.3	Backup								
	12.3.1	Information backup								
	12.4	Logging and monitoring								
	12.4.1	Event logging								
	12.4.2	Protection of log information								
	12.4.3	Administrator and operator logs								
	12.4.4	Clock synchronization								
	12.5	Control of operational software								
	12.5.1	Installation of software on operational systems								

Operations Security (continued)	12.6	Technical vulnerability management								
	12.6.1	Management of technical vulnerabilities								
	12.6.2	Restrictions on software installation								
	12.7	Information system audit considerations								
	12.7.1	Information systems audit controls								
Communications Security	13.1	Network security management								
	13.1.1	Network controls								
	13.1.2	Security of network services								
	13.1.3	Segregation in networks								
	13.2	Information transfer								
	13.2.1	Information transfer policies and procedures								
	13.2.2	Agreements on information transfer								
	13.2.3	Electronic messaging								
	13.2.4	Confidentiality or non-disclosure agreements								

Information Systems Acquisition Development and Maintenance	14.1	Security requirements of information systems								
	14.1.1	Information security requirements analysis and specification								
	14.1.2	Securing application services on public networks								
	14.1.3	Protecting application services transactions								
	14.2	Security in development and support processes								
	14.2.1	Secure development policy								
	14.2.2	System change control procedures								
	14.2.3	Technical review of applications after operating platform changes								
	14.2.4	Restrictions on changes to software packages								
	14.2.5	Secure system engineering principles								
	14.2.6	Secure development environment								
	14.2.7	Outsourced software development								
	14.2.8	System security testing								
	14.2.9	System acceptance testing								

	14.3	Test data								
	14.3.1	Protection of test data								
Supplier Relationships	15.1	Information security in supplier relationships								
	15.1.1	Information security policy for supplier relationships								
	15.1.2	Addressing security within supplier agreements								
	15.1.3	Information and communication technology supply chain								
	15.2	Supplier service delivery management								
	15.2.1	Monitoring and review of supplier services								
	15.2.2	Managing changes to supplier services								
Information Security Incident Management	16.1	Reporting information security events and weaknesses								
	16.1.1	Responsibilities and procedures								
	16.1.2	Reporting information security events								
	16.1.3	Reporting security weaknesses								

Information Security Incident Management (continued)	16.1.4	Assessment of and decision on information security events								
	16.1.5	Response to information security incidents								
	16.1.6	Learning from information security incidents								
	16.1.7	Collection of evidence								
Business Continuity Management	17.1	Information security aspects of business continuity management								
	17.1.1	Planning information security continuity								
	17.1.2	Implementing information security continuity								
	17.1.3	Verify, review, and evaluate information security continuity								
	17.2	Redundancies								
	17.2.1	Availability of information processing facilities								
Compliance	18.1	Compliance with legal requirements and contractual requirements								
	18.1.1	Identification of applicable legislation and contractual requirements								

Compliance (continued)	18.1.2	Intellectual property rights (IPR)								
	18.1.3	Protection of records								
	18.1.4	Privacy and protection of personally identifiable information								
	18.1.5	Regulation of cryptographic controls								
	18.2	Information security reviews								
	18.2.1	Independent review of information security								
	18.2.2	Compliance with security policies and standards								
	18.2.3	Technical compliance checking								

Key:	
LR	Legal Requirement
CO	Contractual Obligation
BR/BP	Business Requirements/ Best Practices
RRA	Results of Risk Assessment