

NIST IR 8477-Based Set Theory Relationship Mapping (STRM)

Reference document: Secure Controls Framework (SCF) version 2026.1
<https://securecontrolsframework.com/set-theory-relationship-mapping-strm/>

Focal Document: ISO 27001:2022
Published Document URL: <https://www.iso.org/standard/27001>
Published STRM URL: <https://content.securecontrolsframework.com/strm/scf-strm-general-iso-27001-2022.pdf>

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FDE #	FDE Name	Focal Document Element (FDE) Description	STRM Rationale	STRM Relationship	SCF Control	SCF #	Secure Controls Framework (SCF) Control Description	Strength of Relationship	Notes
1.0	Scope	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
2.0	Normative references	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
3.0	Terms and definitions	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Standardized Terminology	SEA-02.1	Mechanisms exist to standardize technology and process terminology to reduce confusion amongst groups and departments.	5	
4.0	Context of the organization	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
4.1	Understanding the organization and its context	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Defining Business Context & Mission	GOV-08	Mechanisms exist to facilitate the identification and process terminology to reduce confusion amongst groups and departments.	5	
4.1	Understanding the organization and its context	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Define Control Objectives	GOV-09	Mechanisms exist to establish control objectives as the basis for the selection, implementation and management of the organization's internal security, compliance and resilience control system.	5	
4.1	Understanding the organization and its context	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Statutory, Regulatory & Contractual Compliance	CPL-01	Mechanisms exist to facilitate the identification and implementation of relevant statutory, regulatory and contractual controls.	5	ISO 27001:2022 Amendment 1 adds "climate action changes" that a reasonable person would conclude has nothing to do with cybersecurity and is merely an inclusion for Environmental, Social & Governance (ESG) compliance to push a political agenda.
4.2	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Define Control Objectives	GOV-09	Mechanisms exist to establish control objectives as the basis for the selection, implementation and management of the organization's internal security, compliance and resilience control system.	5	
4.2	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Stakeholder Identification & Involvement	AST-01.2	Mechanisms exist to identify and involve pertinent stakeholders of critical Technology Assets, Applications, Services and/or Data (TAASD) to support the ongoing secure management of those assets.	5	
4.2(a)	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Defining Business Context & Mission	GOV-08	Mechanisms exist to define the context of its business model and document the organization's mission.	5	
4.2(a)	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Stakeholder Identification & Involvement	AST-01.2	Mechanisms exist to identify and involve pertinent stakeholders of critical Technology Assets, Applications, Services and/or Data (TAASD) to support the ongoing secure management of those assets.	5	
4.2(b)	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Define Control Objectives	GOV-09	Mechanisms exist to establish control objectives as the basis for the selection, implementation and management of the organization's internal security, compliance and resilience control system.	5	
4.2(c)	Understanding the needs and expectations of interested parties	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Define Control Objectives	GOV-09	Mechanisms exist to establish control objectives as the basis for the selection, implementation and management of the organization's internal security, compliance and resilience control system.	5	
4.3	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Defining Business Context & Mission	GOV-08	Mechanisms exist to define the context of its business model and document the organization's mission.	5	
4.3	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Compliance Scope	CPL-01.2	Mechanisms exist to document and validate the scope of security, compliance and resilience controls that are determined to meet statutory, regulatory and/or contractual compliance obligations.	5	
4.3	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Asset Scope Classification	AST-04.1	Mechanisms exist to determine security, compliance and resilience control applicability by identifying, assigning and documenting the appropriate asset scope categorization for all Technology Assets, Applications and/or Services (TAAS) and personnel (internal and third-parties).	5	
4.3(a)	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Compliance Scope	CPL-01.2	Mechanisms exist to document and validate the scope of security, compliance and resilience controls that are determined to meet statutory, regulatory and/or contractual compliance obligations.	5	
4.3(b)	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Compliance Scope	CPL-01.2	Mechanisms exist to document and validate the scope of security, compliance and resilience controls that are determined to meet statutory, regulatory and/or contractual compliance obligations.	5	
4.3(c)	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Responsible, Accountable, Supportive, Consulted & Informed (RACSI) Matrix	TPM-05.4	Mechanisms exist to document and maintain a Responsible, Accountable, Supportive, Consulted & Informed (RACSI) matrix, or similar documentation, to delineate assignment for security, compliance and resilience controls between internal stakeholders and External Service Providers (ESPs).	5	
4.3(c)	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Compliance Scope	CPL-01.2	Mechanisms exist to document and validate the scope of security, compliance and resilience controls that are determined to meet statutory, regulatory and/or contractual compliance obligations.	5	
4.3(c)	Determining the scope of the information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Customer Responsibility Matrix (CRM)	CLD-06.1	Mechanisms exist to formally document a Customer Responsibility Matrix (CRM), delineating assigned responsibilities for security, compliance and resilience within the Cloud Service Provider (CSP) and its customers.	5	
4.4	Information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
4.4	Information security management system	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Steering Committee & Program Oversight	GOV-01.1	Mechanisms exist to align security, compliance and resilience capabilities with business requirements through a steering committee or advisory board comprised of key cybersecurity, data protection and business executives, which meets formally and on a regular basis.	5	
5.0	Leadership	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
5.1	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Steering Committee & Program Oversight	GOV-01.1	Mechanisms exist to align security, compliance and resilience capabilities with business requirements through a steering committee or advisory board comprised of key cybersecurity, data protection and business executives, which meets formally and on a regular basis.	10	
5.1	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Defining Business Context & Mission	GOV-08	Mechanisms exist to define the context of its business model and document the organization's mission.	5	
5.1(a)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Publishing Security, Compliance & Resilience Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate policies, standards and procedures necessary for secure, compliant and resilient capabilities.	5	
5.1(a)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(b)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(c)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Security, Compliance & Resilience Resource Management	PRM-02	Mechanisms exist to address all capital planning and investment requests, including the resources needed to implement the Security, Compliance & Resilience Program (SCR) and document all exceptions to this requirement.	5	
5.1(c)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(d)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(e)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(e)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Protection Portfolio Management	PRM-01	Mechanisms exist to facilitate the implementation of resource planning controls that provide a portfolio management approach to achieve security, compliance and resilience objectives.	10	
5.1(f)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Assigned Security, Compliance & Resilience Responsibilities	GOV-04	Mechanisms exist to assign one or more qualified individuals with the mission and resources to centrally manage, coordinate, develop, implement and maintain an enterprise-wide Security, Compliance & Resilience Program (SCR).	5	
5.1(f)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(g)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(h)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Subset Of	Security, Compliance & Resilience Program (SCR)	GOV-01	Mechanisms exist to facilitate the implementation of security, compliance and resilience governance controls.	10	
5.1(h)	Leadership and commitment	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Assigned Security, Compliance & Resilience Responsibilities	GOV-04	Mechanisms exist to assign one or more qualified individuals with the mission and resources to centrally manage, coordinate, develop, implement and maintain an enterprise-wide Security, Compliance & Resilience Program (SCR).	5	
5.2	Policy	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Publishing Security, Compliance & Resilience Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate policies, standards and procedures necessary for secure, compliant and resilient capabilities.	5	
5.2(a)	Policy	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Publishing Security, Compliance & Resilience Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate policies, standards and procedures necessary for secure, compliant and resilient capabilities.	5	
5.2(b)	Policy	For specific requirement details, buy a licensed copy of the Focal Document at: https://www.iso.org/standard/27001	Functional	Intersects With	Publishing Security, Compliance & Resilience Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate policies, standards and procedures necessary for secure, compliant and resilient capabilities.	5	
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