Set Theory Relationship Mapping (STRM)



Reference Document: Secure Controls Framework (SCF) version 2024.3

Focal Document: NIST SP 800-66 R2

Focal Document URL: https://csrc.nist.gov/pubs/sp/800/66/r2/final

STRM URL: https://securecontrolsframework.com/content/strm/scf-2024-3-nist-800-66r2.pdf

Set Theory Relationship Mapping (STRM) is well-suited for mapping between sets of elements that exist in two distinct concepts that are mostly the same as each other (e.g., cybersecurity & data privacy requirements). STRM also allows the strength of the mapping to be captured.

STRM relies on a justification for the relationship claim. There are three (3) options for the rationale, which is a high-level context within which the two concepts are related:

- 1. Syntactic: How similar is the wording that expresses the two concepts? This is a word-for-word analysis of the relationship, not an interpretation of the language.
- 2. Semantic: How similar are the meanings of the two concepts? This involves some interpretation of each concept's language.
- 3. **Functional**: How similar are the <u>results</u> of executing the two concepts? This involves understanding what will happen if the two concepts are implemented, performed, or otherwise executed

Based on NIST IR 8477, STRM supports five (5) five relationship types to describe the logical similarity between two distinct concepts:

- 1. Subset Of
- 2. Intersects With
- 3. Equal
- 4. Superset Of
- 5. No Relationship



Relationship Type #1: SUBSET OF

Focal Document Element is a subset of SCF control. In other words, SCF control contains everything that Focal Document Element does and more.

Relationship Type #2: INTERSECTS WITH

SCF control has some overlap with Focal Document Element, but each includes content that the other does not.

Relationship Type #3: EQUAL

SCF control and Focal Document Element are the same, although not necessarily identical.

Relationship Type #4: SUPERSET OF

Focal Document Element is a superset of SCF control. In other words, Focal Document Element contains everything that SCF control does and more

Relationship Type #5: NO RELATIONSHIP

SCF control and Focal Document Element are unrelated; their content does not overlap.



SUBSET OF Relative Relationship Strength (control versus control)

X SCF

INTERSECTS WITH Relative Relationship Strength (control versus control)



EQUAL Relative Relationship Strength (control versus control)

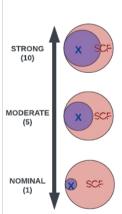


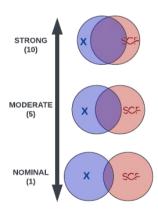
SUPERSET OF Relative Relationship Strength (control versus control)

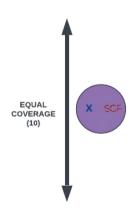


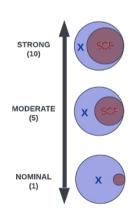


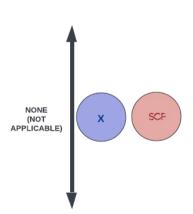
NO RELATIONSHIP
Relative Relationship Strength
(control versus control)













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 (optional)
		Defined in the Security Rule as the "administrative actions and policies, and	Functional	Subset Of	Cybersecurity & Data Protection Governance	GOV-01	Mechanisms exist to facilitate the implementation of cybersecurity & data	(optional)	
164.308	Administrative Safeguards	procedures to manage the selection, development, implementation, and maintenance of security measures to protect electronic protected health information and to manage the conduct of the covered entity's workforce in	, andional	342501 31	Program Publishing Cybersecurity &		protection governance controls. Mechanisms exist to establish, maintain and disseminate cybersecurity &	10	
		relation to the protection of that information."	Functional	Intersects With	Data Protection Documentation	GOV-02	data protection policies, standards and procedures.	5	
			Functional	Intersects With	Publishing Cybersecurity & Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	5	
			Functional	Subset Of	Human Resources Security Management	HRS-01	Mechanisms exist to facilitate the implementation of personnel security controls.	10	
164.308(a)(1)	Security Management Process	Implement policies and procedures to prevent, detect, contain, and correct security violations.	Functional	Subset Of	Incident Response Operations	IRO-01	Mechanisms exist to implement and govern processes and documentation to facilitate an organization-wide response capability for cybersecurity &	10	
			Functional	Intersects With	Standardized Operating	OPS-01.1	data privacy-related incidents. Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper	5	
			runctional	intersects with	Procedures (SOP)	OF3-01.1	execution of day-to-day / assigned tasks. Mechanisms exist to assign one or more qualified individuals with the	3	
			Functional	Intersects With	Assigned Cybersecurity & Data Protection Responsibilities	GOV-04	mission and resources to centrally-manage, coordinate, develop, implement and maintain an enterprise-wide cybersecurity & data	5	
					Stakeholder Accountability		protection program. Mechanisms exist to enforce an accountability structure so that appropriate teams and individuals are empowered, responsible and		
164.308(a)(2)	Assigned Security Responsibility	Identify the security official who is responsible for the development and implementation of the policies and procedures required by this subpart for the	Functional	Intersects With	Structure	GOV-04.1	trained for mapping, measuring and managing data and technology- related risks.	3	
		covered entity or business associate.	Functional	Intersects With	Authoritative Chain of	GOV-04 2	Mechanisms exist to establish an authoritative chain of command with clear lines of communication to remove ambiguity from individuals and	3	
			Tanctional	intersects with	Command	GOV 04.2	teams related to managing data and technology-related risks.	3	
			Functional	Intersects With	Defined Roles & Responsibilities Publishing Cybersecurity &	HRS-03	Mechanisms exist to define cybersecurity roles & responsibilities for all personnel.	5	
			Functional	Intersects With	Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	5	
			Functional	Intersects With	Operationalizing Cybersecurity & Data	GOV-15	Mechanisms exist to compel data and/or process owners to operationalize cybersecurity & data privacy practices for each system, application and/or	8	
			Eunctional	Intersects With	Protection Practices Solost Controls	GOV 15 1	service under their control. Mechanisms exist to compel data and/or process owners to select	0	
			Functional	Intersects With	Select Controls	GOV-15.1	required cybersecurity & data privacy controls for each system, application and/or service under their control. Mechanisms exist to compel data and/or process owners to implement	8	
			Functional	Intersects With	Implement Controls	GOV-15.2	required cybersecurity & data privacy controls for each system, application and/or service under their control.	8	
			Functional	Intersects With	Assess Controls	GOV-15.3	Mechanisms exist to compel data and/or process owners to assess if required cybersecurity & data privacy controls for each system,	3	
					Identity & Access		application and/or service under their control are implemented correctly and are operating as intended. Mechanisms exist to facilitate the implementation of identification and	-	
		Implement policies and procedures to ensure that all members of its	Functional	Subset Of	Management (IAM)	IAC-01	access management controls. Mechanisms exist to identified the implementation of identified in an access management controls. Mechanisms exist to identified the implementation of identified in a management controls.	10	
			Functional	Intersects With	Authenticate, Authorize and Audit (AAA)	IAC-01.2	Audit (AAA) solutions, both on-premises and those hosted by an External Service Provider (ESP).	5	
164.308(a)(3)	Workforce Security	workforce have appropriate access to electronic protected health information, as provided under paragraph (a)(4) of this section, and to prevent those	Functional	Intersects With	User Provisioning & De- Provisioning	IAC-07	Mechanisms exist to utilize a formal user registration and de-registration process that governs the assignment of access rights. Mechanisms exist to revoke user access rights following changes in	5	
		workforce members who do not have access under paragraph (a)(4) of this section from obtaining access to electronic protected health information.	Functional	Intersects With	Change of Roles & Duties Termination of	IAC-07.1	personnel roles and duties, if no longer necessary or permitted. Mechanisms exist to revoke user access rights in a timely manner, upon	5	
			Functional	Intersects With	Employment Role-Based Access Control	IAC-07.2	termination of employment or contract. Mechanisms exist to enforce a Role-Based Access Control (RBAC) policy	5	
			Functional	Intersects With	(RBAC)	IAC-08	over users and resources that applies need-to-know and fine-grained access control for sensitive/regulated data access.	5	
			Functional	Intersects With	Account Management	IAC-15	Mechanisms exist to proactively govern account management of individual, group, system, service, application, guest and temporary accounts.	5	
			Functional	Intersects With	Privileged Account Management (PAM)	IAC-16	Mechanisms exist to restrict and control privileged access rights for users and services.	5	
			Functional	Intersects With	Access Enforcement	IAC-20	Mechanisms exist to enforce Logical Access Control (LAC) permissions that conform to the principle of "least privilege."	5	
			Functional	Intersects With	Access To Sensitive / Regulated Data	IAC-20.1	Mechanisms exist to limit access to sensitive/regulated data to only those individuals whose job requires such access.	5	
			Functional	Intersects With	Least Privilege	IAC-21	Mechanisms exist to utilize the concept of least privilege, allowing only authorized access to processes necessary to accomplish assigned tasks in accordance with organizational business functions.	5	
					Standardized Operating		Mechanisms exist to identify and document Standardized Operating	_	
			Functional	Intersects With	Procedures (SOP) Publishing Cybersecurity &	OPS-01.1	Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
			Functional	Intersects With	Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	5	
			Functional	Intersects With	Data Protection	DCH-01	Mechanisms exist to facilitate the implementation of data protection controls.	5	
			Functional	Intersects With	Data Stewardship Sensitive / Regulated Data	DCH-01.1	Mechanisms exist to ensure data stewardship is assigned, documented and communicated. Mechanisms exist to protect sensitive/regulated data wherever it is	5	
			Functional	Intersects With	Protection	DCH-01.2	stored. Mechanisms exist to protect sensitive/regulated data wherever it is stored. Mechanisms exist to protect sensitive/regulated data wherever it is stored.	5	
			Functional	Intersects With	Sensitive / Regulated Media Records	DCH-01.3	contain sufficient information to determine the potential impact in the event of a data loss incident.	5	
			Functional	Intersects With	Defining Access Authorizations for	DCH-01.4	Mechanisms exist to explicitly define authorizations for specific individuals and/or roles for logical and /or physical access to sensitive/regulated data.	5	
			Functional	Intersects With	Sensitive/Regulated Data Data & Asset Classification	DCH-02	Mechanisms exist to ensure data and assets are categorized in accordance	5	
			Functional	Subset Of	Human Resources Security	HRS-01	with applicable statutory, regulatory and contractual requirements. Mechanisms exist to facilitate the implementation of personnel security	10	
			Functional	Subset Of	Management Identity & Access	IAC-01	controls. Mechanisms exist to facilitate the implementation of identification and	10	
	Information Access Management	Implement policies and procedures for authorizing access to electronic	Functional	Intersects With	Management (IAM) Identification & Authentication for	IAC-02	access management controls. Mechanisms exist to uniquely identify and centrally Authenticate, Authorize and Audit (AAA) organizational users and processes acting on	5	
164.308(a)(4)		protected health information that are consistent with the applicable requirements of subpart E of this part.			Organizational Users Role-Based Access Control		behalf of organizational users. Mechanisms exist to enforce a Role-Based Access Control (RBAC) policy		
			Functional	Intersects With	(RBAC)	IAC-08	over users and resources that applies need-to-know and fine-grained access control for sensitive/regulated data access. Mechanisms exist to enforce Logical Access Control (LAC) permissions that	5	
			Functional	Intersects With	Access Enforcement Access To Sensitive /	IAC-20	Mechanisms exist to enforce Logical Access Control (LAC) permissions that conform to the principle of "least privilege." Mechanisms exist to limit access to sensitive/regulated data to only those	5	
			Functional	Intersects With	Regulated Data	IAC-20.1	individuals whose job requires such access. Mechanisms exist to limit access to sensitive regulated data to only those individuals whose job requires such access.	5	
			Functional	Intersects With	Least Privilege	IAC-21	authorized access to processes necessary to accomplish assigned tasks in accordance with organizational business functions.	5	
			Functional	Subset Of	Incident Response	IRO-01	Mechanisms exist to implement and govern processes and documentation to facilitate an organization-wide response capability for cybersecurity &	10	
			i uncuonal	Jupset UI	Operations	II/O-01	data privacy-related incidents.	10	
			Functional	Intersects With	Incident Handling	IRO-02	Mechanisms exist to cover the preparation, automated detection or intake of incident reporting, analysis, containment, eradication and recovery.	5	
			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper	5	
			Functional	Subset Of	Cybersecurity & Data	SAT-01	execution of day-to-day / assigned tasks. Mechanisms exist to facilitate the implementation of security workforce	10	
					Privacy-Minded Workforce Defined Roles &		development and awareness controls. Mechanisms exist to define cybersecurity roles & responsibilities for all		
	l		Functional	Intersects With	Responsibilities Defined Roles &	HRS-03	personnel. Mechanisms exist to define cybersecurity roles & responsibilities for all	5	
			Functional	Intersects With	·	110.3-03	· .	.,	
164.308(a)(5)	Security Awareness and Training	Implement a security awareness and training program for all members of its workforce (including management).	Functional Functional	Intersects With Subset Of	Responsibilities Cybersecurity & Data	SAT-01	personnel. Mechanisms exist to facilitate the implementation of security workforce	10	



Set Theory Relationship Mapping (STRM)

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 (optional)
			Functional	Intersects With	Cybersecurity & Data Privacy Awareness Training	SAT-02	Mechanisms exist to provide all employees and contractors appropriate awareness education and training that is relevant for their job function.	(optional) 5	
			Functional	Intersects With	Publishing Cybersecurity & Data Protection	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity &	5	
164.308(a)(6)					Documentation Incident Response		data protection policies, standards and procedures. Mechanisms exist to implement and govern processes and documentation		
	Security Incident Procedures		Functional	Subset Of	Operations	IRO-01	to facilitate an organization-wide response capability for cybersecurity & data privacy-related incidents.	10	
		Implement policies and procedures to address security incidents.	Functional	Intersects With	Incident Handling	IRO-02	Mechanisms exist to cover the preparation, automated detection or intake of incident reporting, analysis, containment, eradication and recovery. Mechanisms exist to maintain and make available a current and viable	5	
			Functional	Intersects With	Incident Response Plan (IRP) Standardized Operating	IRO-04	Incident Response Plan (IRP) to all stakeholders. Mechanisms exist to identify and document Standardized Operating	5	
			Functional	Intersects With	Procedures (SOP) Publishing Cybersecurity &	OPS-01.1	Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
	Contingency Plan	Establish (and implement as needed) policies and procedures for responding to an emergency or other occurrence (for example, fire, vandalism, system failure, and natural disaster) that damages systems that contain electronic protected health information	Functional	Intersects With	Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	5	
164.308(a)(7)			Functional	Subset Of	Business Continuity Management System	BCD-01	Mechanisms exist to facilitate the implementation of contingency planning controls to help ensure resilient assets and services (e.g., Continuity of Operations Plan (COOP) or Business Continuity & Disaster Recovery	10	
			Functional	Cubast Of	(BCMS) Incident Response	IDO 04	(BC/DR) playbooks). Mechanisms exist to implement and govern processes and documentation	10	
			Functional	Subset Of	Operations Standardized Operating		to facilitate an organization-wide response capability for cybersecurity & data privacy-related incidents. Mechanisms exist to identify and document Standardized Operating	10	
			Functional	Intersects With	Procedures (SOP) Cybersecurity & Data	OPS-01.1	Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
		Perform a periodic technical and nontechnical evaluation, based initially upon the standards implemented under this rule and subsequently, in response to environmental or operational changes affecting the security of electronic	Functional	Intersects With	Protection Controls Oversight	CPL-02	Mechanisms exist to provide a cybersecurity & data protection controls oversight function that reports to the organization's executive leadership.	5	
164.308(a)(8)	Evaluation	protected health information, that establishes the extent to which a covered entity's or business associate's security policies and procedures meet the	Functional	Intersects With	Cybersecurity & Data Protection Assessments	CPL-03	Mechanisms exist to ensure managers regularly review the processes and documented procedures within their area of responsibility to adhere to appropriate cybersecurity & data protection policies, standards and other	5	
		requirements of this subpart. A covered entity may permit a business associate to create, receive, maintain,	Functional	Subset Of	Third-Party Management	TPM-01	applicable requirements. Mechanisms exist to facilitate the implementation of third-party	10	
164.308(b)(1)	Business Associate Contracts	or transmit electronic protected health information on the covered entity's behalf only if the covered entity obtains satisfactory assurances, in accordance with § 164.314(a), that the business associate will appropriately safeguard the information. A covered entity is not required to obtain such satisfactory assurances from a business associate that is a subcontractor. Defined as the "physical measures, policies, and procedures to protect a covered entity's electronic information systems and related buildings and equipment, from natural and environmental hazards, and unauthorized intrusion."	- andional	Subset 61			management controls. Mechanisms exist to obtain a First-Party Declaration (1PD) from applicable External Service Providers (ESPs) that provides assurance of compliance	10	
(~/(*/	_		Functional	Intersects With	First-Party Declaration (1PD)		with specified statutory, regulatory and contractual obligations for cybersecurity & data privacy controls, including any flow-down	8	
			Functional	Intersects With	Defining Access Authorizations for	DCH-01.4	requirements to subcontractors. Mechanisms exist to explicitly define authorizations for specific individuals	5	
					Sensitive/Regulated Data		and/or roles for logical and /or physical access to sensitive/regulated data. Mechanisms exist to:	-	
			Functional	Intersects With	Media Storage	DCH-06	Physically control and securely store digital and non-digital media within controlled areas using organization-defined security measures; and	5	
							 Protect system media until the media are destroyed or sanitized using approved equipment, techniques and procedures. 		
	Physical Safeguards		Functional	Intersects With	Physically Secure All Media Publishing Cybersecurity &	DCH-06.1	Mechanisms exist to physically secure all media that contains sensitive information.	5	
			Functional	Intersects With	Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	5	
164.310			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
			Functional	Intersects With	Physical Access	PES-02	Physical access control mechanisms exist to maintain a current list of personnel with authorized access to organizational facilities (except for	5	
					Authorizations		those areas within the facility officially designated as publicly accessible). Physical access control mechanisms exist to enforce physical access		
			Functional	Intersects With	Physical Access Control	PES-03	authorizations for all physical access points (including designated entry/exit points) to facilities (excluding those areas within the facility	5	
			Functional	Intersects With	Supporting Utilities	PES-07	officially designated as publicly accessible). Facility security mechanisms exist to protect power equipment and power cabling for the system from damage and destruction.	5	
			Functional	Intersects With	Water Damage Protection	PES-07.5	Facility security mechanisms exist to protect systems from damage resulting from water leakage by providing master shutoff valves that are accessible, working properly and known to key personnel.	5	
			Functional	Intersects With	Fire Protection	PES-08	Facility security mechanisms exist to utilize and maintain fire suppression and detection devices/systems for the system that are supported by an	5	
			Functional	Intersects With	Publishing Cybersecurity & Data Protection	GOV-02	independent energy source. Mechanisms exist to establish, maintain and disseminate cybersecurity &	5	
	Facility Access Controls	Implement policies and procedures to limit physical access to its electronic information systems and the facility or facilities in which they are housed, while ensuring that properly authorized access is allowed. Implement policies and procedures that specify the proper functions to be performed, the manner in which those functions are to be performed, and the physical attributes of the surroundings of a specific workstation or class of workstation that can access electronic protected health information.			Documentation Standardized Operating		data protection policies, standards and procedures. Mechanisms exist to identify and document Standardized Operating	J	
			Functional	Intersects With	Procedures (SOP)	OPS-01.1	Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
164.310(a)			Functional	Subset Of	Physical & Environmental Protections	PES-01	Mechanisms exist to facilitate the operation of physical and environmental protection controls.	10	
			Functional	Intersects With	Physical Access Authorizations	PES-02	Physical access control mechanisms exist to maintain a current list of personnel with authorized access to organizational facilities (except for	5	
							those areas within the facility officially designated as publicly accessible). Physical access control mechanisms exist to enforce physical access		
			Functional	Intersects With	Physical Access Control	PES-03	authorizations for all physical access points (including designated entry/exit points) to facilities (excluding those areas within the facility officially designated as publicly accessible).	5	
			Functional	Subset Of	Business Continuity Management System	BCD-01	Mechanisms exist to facilitate the implementation of contingency planning controls to help ensure resilient assets and services (e.g., Continuity of	10	
					(BCMS) System Hardening Through		Operations Plan (COOP) or Business Continuity & Disaster Recovery (BC/DR) playbooks). Mechanisms exist to develop, document and maintain secure baseline		
			Functional	Intersects With	Baseline Configurations		configurations for technology platforms that are consistent with industry- accepted system hardening standards. Mechanisms exist to configure systems to provide only essential	8	
			Functional	Intersects With	Least Functionality	CFG-03	capabilities by specifically prohibiting or restricting the use of ports, protocols, and/or services.	5	
			Functional	Intersects With	Data Protection Sensitive / Regulated Data	DCH-01	Mechanisms exist to facilitate the implementation of data protection controls. Mechanisms exist to protect sensitive/regulated data wherever it is	5	
	Workstation Use		Functional	Intersects With	Protection Defining Access	DCH-01.2	stored. Mechanisms exist to protect sensitive/regulated data wherever it is stored. Mechanisms exist to explicitly define authorizations for specific individuals	5	
			Functional	Intersects With	Authorizations for Sensitive/Regulated Data	DCH-01.4	and/or roles for logical and /or physical access to sensitive/regulated data.	5	
			Functional	Intersects With	Data & Asset Classification	DCH-02	Mechanisms exist to ensure data and assets are categorized in accordance with applicable statutory, regulatory and contractual requirements.	5	
164.310(b)			Functional	Intersects With	Endpoint Security Endpoint Protection	END-01	Mechanisms exist to facilitate the implementation of endpoint security controls. Mechanisms exist to protect the confidentiality, integrity, availability and	5	
			Functional Functional	Intersects With	Measures Terms of Employment	END-02 HRS-05	safety of endpoint devices. Mechanisms exist to require all employees and contractors to apply	5	
			Functional	Intersects With	Rules of Behavior		cybersecurity & data privacy principles in their daily work. Mechanisms exist to define acceptable and unacceptable rules of behavior for the use of technologies, including consequences for unacceptable	5	
					Use of Communications		behavior. Mechanisms exist to establish usage restrictions and implementation		
			Functional	Intersects With	Technology	HRS-05.3	guidance for communications technologies based on the potential to cause damage to systems, if used maliciously. Mechanisms exist to enforce a Role-Based Access Control (RBAC) policy	5	
			Functional	Intersects With	Role-Based Access Control (RBAC)	IAC-08	over users and resources that applies need-to-know and fine-grained access control for sensitive/regulated data access.	5	
					Standardized Operating		Mechanisms exist to identify and document Standardized Operating		





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164.312(d)	I Darcon or Entity Alithantication	Implement procedures to verify that a person or entity seeking access to electronic protected health information is the one claimed.	Functional	Intersects With	Multi-Factor Authentication (MFA)	IAC-06	Automated mechanisms exist to enforce Multi-Factor Authentication (MFA) for: Remote network access; Third-party systems, applications and/or services; and/ or Non-console access to critical systems or systems that store, transmit	(optional) 5	
			Functional	Intersects With	Identity Proofing (Identity Verification)	IAC-28	and/or process sensitive/regulated data. Mechanisms exist to verify the identity of a user before issuing authenticators or modifying access permissions.	5	
			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	5	
	Transmission Security	Implement technical security measures to guard against unauthorized access to electronic protected health information that is being transmitted over an electronic communications network.	Functional	Intersects With	Transmission Confidentiality	CRY-03	Cryptographic mechanisms exist to protect the confidentiality of data being transmitted.	5	
164.312(e)(1)			Functional	Intersects With	Transmission Integrity	CRY-04	Cryptographic mechanisms exist to protect the integrity of data being transmitted.	5	
			Functional	Intersects With	Session Integrity	NET-09	Mechanisms exist to protect the authenticity and integrity of communications sessions.	5	
164.314		Includes standards for business associate contracts and other arrangements between a covered entity and a business associate and between a business associate and a subcontractor, as well as requirements for group health plans.	Functional	Intersects With	Third-Party Contract Requirements	TPM-05	Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data.	5	
164.314(a)	Business Associate Contracts or Other Arrangements	(i) The contract or other arrangement between the covered entity and its business associate required by § 164.308(b)(3) must meet the requirements of paragraph (a)(2)(i), (a)(2)(ii), or (a)(2)(iii) of this section, as applicable. (ii) A covered entity is in compliance with paragraph (a)(1) of this section if it has another arrangement in place that meets the requirements of § 164.504(e)(3). (iii) The requirements of paragraphs (a)(2)(i) and (a)(2)(ii) of this section apply to the contract or other arrangement between a business associate and a subcontractor required by § 164.308(b)(4) in the same manner as such requirements apply to contracts or other arrangements between a covered entity and business associate.	Functional	Intersects With	Third-Party Contract Requirements	TPM-05	Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data.	5	
164.314(b)	Requirements for Group Health	Except when the only electronic protected health information disclosed to a plan sponsor is disclosed pursuant to § 164.504(f)(1)(ii) or (iii), or as authorized under § 164.508, a group health plan must ensure that its plan documents provide that the plan sponsor will reasonably and appropriately safeguard electronic protected health information created, received, maintained, or transmitted to or by the plan sponsor on behalf of the group health plan.	Functional	Intersects With	Third-Party Contract Requirements	TPM-05	Mechanisms exist to require contractual requirements for cybersecurity & data privacy requirements with third-parties, reflecting the organization's needs to protect its systems, processes and data.	5	
	Policies and Procedures and	Requires the implementation of reasonable and appropriate policies and procedures to comply with the standards, implementation specifications, and other requirements of the Security Rule; the maintenance of written (may be electronic) documentation and/or records that include the policies	Functional	Subset Of	Cybersecurity & Data Protection Governance Program	GOV-01	Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls.	10	
164.216			Functional	Intersects With	Publishing Cybersecurity &	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	8	
164.316			Functional	Intersects With	Operationalizing Cybersecurity & Data Protection Practices	GOV-15	Mechanisms exist to compel data and/or process owners to operationalize cybersecurity & data privacy practices for each system, application and/or service under their control.	8	
			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	8	
	Policies and Procedures	Implement reasonable and appropriate policies and procedures to comply with the standards, implementation specifications, or other requirements of this subpart, taking into account those factors specified in § 164.306(b)(2)(i), (ii), (iii), (iii), and (iv). This standard is not to be construed to permit or excuse an action that violates any other standard, implementation specification, or other requirements of this subpart. A covered entity or business associate may change its policies and procedures at any time, provided that the changes are documented and are implemented in accordance with this subpart.	Functional	Subset Of	Cybersecurity & Data Protection Governance Program	GOV-01	Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls.	10	
164.316(a)			Functional	Intersects With	Publishing Cybersecurity & Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	8	
			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	8	
	Documentation	(i) Maintain the policies and procedures implemented to comply with this subpart in written (which may be electronic) form; and (ii) if an action, activity or assessment is required by this subpart to be documented, maintain a written (which may be electronic) record of the action, activity, or assessment.	Functional	Subset Of	Cybersecurity & Data Protection Governance Program	GOV-01	Mechanisms exist to facilitate the implementation of cybersecurity & data protection governance controls.	10	
164.316(b)			Functional	Intersects With	Publishing Cybersecurity & Data Protection Documentation	GOV-02	Mechanisms exist to establish, maintain and disseminate cybersecurity & data protection policies, standards and procedures.	8	
			Functional	Intersects With	Standardized Operating Procedures (SOP)	OPS-01.1	Mechanisms exist to identify and document Standardized Operating Procedures (SOP), or similar documentation, to enable the proper execution of day-to-day / assigned tasks.	8	

