

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

Reference Document : Secure Controls Framework (SCF) version 2026.1
STRM Guidance: <https://securecontrolsframework.com/start-here/set-theory-relationship-mapping-strm/>

Focal Document:
Focal Document URL:
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FAR 52.204-25 (NDAA Section 889)
<https://www.acquisition.gov/far/52.204-25>
<https://content.securecontrolsframework.com/strm/scf-strm-usa-federal-far-52-204-25.pdf>

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
52.204-25	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment	As prescribed in 4.2105(b), insert the following clause: Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Nov 2021)	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(a)	Definitions	See FDE for details.	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(b)	Prohibition	N/A	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(b)(1)	Prohibition	Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology, as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.	Functional	Subset Of	Prohibited Equipment & Services	AST-17	Mechanisms exist to govern Supply Chain Risk Management (SCRM) sanctions that require the removal and prohibition of certain Technology Assets, Applications and/or Services (TAAS) that are designated as supply chain threats by a statutory or regulatory body.	10	
52.204-25(b)(2)	Prohibition	Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.	Functional	Subset Of	Prohibited Equipment & Services	AST-17	Mechanisms exist to govern Supply Chain Risk Management (SCRM) sanctions that require the removal and prohibition of certain Technology Assets, Applications and/or Services (TAAS) that are designated as supply chain threats by a statutory or regulatory body.	10	
52.204-25(c)	Exceptions	This clause does not prohibit contractors from providing—	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(c)(1)	Exceptions	A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(c)(2)	Exceptions	Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(d)	Reporting requirement	N/A	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(d)(1)	Reporting requirement	In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at https://dibnet.dod.mil . For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at https://dibnet.dod.mil .	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(d)(2)	Reporting requirement	The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause	Functional	No Relationship	N/A	N/A	N/A	0	No applicable SCF control
52.204-25(d)(2)(i)	Reporting requirement	Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.	Functional	Intersects With	Security, Compliance & Resilience Status Reporting	GOV-17	Mechanisms exist to submit status reporting of the organization's security, compliance and/or resilience program to applicable statutory and/or regulatory authorities, as required.	5	
52.204-25(d)(2)(ii)	Reporting requirement	Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.	Functional	Intersects With	Security, Compliance & Resilience Status Reporting	GOV-17	Mechanisms exist to submit status reporting of the organization's security, compliance and/or resilience program to applicable statutory and/or regulatory authorities, as required.	5	
52.204-25(d)	Subcontracts	The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial products or commercial services.	Functional	Intersects With	Security, Compliance & Resilience Status Reporting	GOV-17	Mechanisms exist to submit status reporting of the organization's security, compliance and/or resilience program to applicable statutory and/or regulatory authorities, as required.	5	