Compliance Component

DEFINITION	
Name	Supply Chain Risk Management Acquisition Strategies
Description	Protecting the supply chain can partially be accomplished by employing acquisition strategies, contract tools, and procurement methods to identify, protect against and mitigate risks
Rationale	The use of the acquisition process provides an important vehicle to protect the supply chain
Benefits	- Reduce chance of data loss, tampering, interruption of services, etc. - Secure onboarding process for new vendors and subcontractors

ASSOCIATED ARCHITECTURE LEVELS	
Specify the Domain Name	Security
Specify the Discipline Name	Management
Specify the Technology Area Name	Supply Chain Risk Management

COMPLIANCE COMPONENT TYPE	
Document the Compliance Component Type	
Component Sub-type	

COMPLIANCE DETAIL	
State the Guideline, Standard or Legislation	**Strategies, Tools and Methods** Agencies should employ the following acquisition strategies, contract tools, and procurement methods to protect against, identify, and mitigate supply chain risks: 1. Adhering to all State and Federal laws, executive orders, policies and guidelines pertaining to procurements of systems, system components, vendors and/or services. 2. Where feasible, obscuring the end use of a system or system component. 3. Requiring tamper-evident packaging. 4. Using trusted or controlled distribution. Agencies should work with their leadership for guidance regarding applicable State and Federal laws, executive orders, directives, regulations, policies, and guidelines policies governing the procurement of systems, system components, and services. Tools and techniques may provide protections against unauthorized production, theft, tampering, insertion of counterfeits, insertion of malicious software or backdoors, and poor development practices throughout the system development life cycle.

	Adequate Supply Adversaries can attempt to impede organizational operations by disrupting the supply of critical system components or corrupting supplier operations. The agency may track systems and component mean time to failure to mitigate the loss of temporary or permanent system function. Controls to ensure that adequate supplies of critical system components include: 1. Use of multiple suppliers throughout the supply chain for the identified critical components 2. Store spare components as needed to ensure operation during mission-critical times. 3. Identification of functionally identical or similar components that may be used, if necessary. **Assessments Prior to Selection, Acceptance, Modification or Update** Agency personnel or independent, external entities conduct assessments of systems, components, products, tools, and services to uncover evidence of tampering, unintentional and intentional vulnerabilities, or evidence of non-compliance with supply chain controls. These include: 1. Malicious code 2. Malicious processes 3. Defective software 4. Backdoors 5. Counterfeits Assessments can include: 1. Evaluations 2. Design proposal reviews 3. Visual or physical inspection 4. Static and dynamic analyses visual, x-ray, or magnetic particle inspections 5. Simulations 6. White, gray, or black box testing 7. Fuzz testing 8. Stress testing 9. Penetration testing Evidence generated during assessments should be documented for follow-up actions by agencies. The evidence generated during the agency or independent assessments of supply chain elements may be used to improve supply chain processes and inform the supply chain risk management process. The evidence can be leveraged in follow-up assessments. Evidence and other documentation may be shared in accordance with agency agreements.
Document Source Reference #	NIST SP 800-53, Rev. 5, *Security and Privacy Controls for Information Systems and Organizations*, SR05, *Acquisition Strategies, Tools and Methods* (Sep. 2020)

Compliance Sources			
Name		*Website*	Security and Privacy Controls for Information Systems and Organizations (nist.gov)
Contact Information			
Name		*Website*	
Contact Information			
Name		*Website*	
Contact Information			

KEYWORDS	
List Keywords	Assessment, Supply, Strategies, Tools, Methods

COMPONENT CLASSIFICATION				
Provide the Classification	☐ *Emerging*	☒ *Current*	☐ *Twilight*	☐ *Sunset*
Sunset Date				

CURRENT STATUS				
Provide the Current Status	☐ *In Development*	☐ *Under Review*	☒ *Approved*	☐ *Rejected*

AUDIT TRAIL			
Creation Date	08/21/2024	*Date Approved / Rejected*	10/03/2024
Reason for Rejection			
Last Date Reviewed	10/03/2024	*Last Date Updated*	10/03/2024
Reason for Update			