DEFINITION	
Name	System Life Cycle Security
Description	System Life Cycle Security is a methodology for addressing security in an information system through the following phases: • Initiation Phase • Acquisition and Development Phase • Implementation Phase • Enterprise Patch Management • Disposal Phase An information system refers to hardware, software, computer system connections and information, and the system's housing.
Rationale	Security vulnerabilities can occur during any phase of the system life cycle process. Addressing security in every phase gives an agency confidence that the system will function with a minimum of risk.
Benefits	System Security Life Cycle is important for the following reasons: • System security is easier to achieve when security issues are considered as a part of a routine planning, development and implementation process, and security safeguards are integrated into the system during its design. • Integrating security into an information system is generally less expensive than retrofitting security. • When security safeguards are integral to a system, they are usually easier to use. • Addresses critical business risk throughout the system life cycle.

ASSOCIATED ARCHITECTURE LEVELS	
Specify the Domain Name	Security
Specify the Discipline Name	Management Controls
Specify the Technology Area Name	
Specify the Product Component Name	

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

COMPLIANCE DETAIL	
Document Source Reference #	NIST SP 800-53 Rev. 5

Compliance Sources			
Name	National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC)	*Website*	https://csrc.nist.gov/
Contact Information	inquiries@nist.gov		
Name		*Website*	
Contact Information			
KEYWORDS			
List Keywords	System Life Cycle, vulnerabilities, remediation, maintenance, monitor, management, procedures, planning, evaluate, certification, accreditation, requirements, SDLC, risk, policy, assurance, cost, impact, performance.		
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	09/07/06	*Date Approved / Rejected*	02/15/2023
Reason for Rejection			
Last Date Reviewed	02/15/2023	*Last Date Updated*	02/15/2023
Reason for Update	Vitality		