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Systems and Development Lifecycle [1]

PS-08-018 Systems and Development Lifecycle

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PURPOSE

System life-cycle management is a methodology for establishing processes, procedures and practices governing and managing the life an information system from initiation/requirements through disposal. The methodology is a tool to assist system owners, developers and management document the design and decisions made regarding a system.

POLICY

All state information systems and applications, whether in development or production, shall be governed by a formal system life-cycle management process and incorporates security planning throughout all phases of the system's life-cycle from conception to disposal.

RELATED ENTERPRISE POLICIES, STANDARDS, GUIDELINES

[System Lifecycle Management \(SS-08-025\)](#) [5]

[Information Security - Risk Management \(PS-08-031\)](#) [6]

[System Security Plans \(SS-08-028\)](#) [7]

REFERENCES

NIST SP 800-12 Introduction to Computer Security NIST Handbook (Ch 8)

NIST SP 800-100 Information Security Handbook for Managers (Ch 3)

NIST SP 800-64 Security Consideration for SDLC

NIST SP 800-65 Integrating IT Security into the Capital Planning and Investments Controls Process

TERMS and DEFINITIONS

System Lifecycle is the overall process of developing/acquiring, implementing, and retiring information systems through a multi-step process from initiation, design, implementation, and maintenance to disposal.

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