



KAY IVEY
Governor

STATE OF ALABAMA

OFFICE OF INFORMATION TECHNOLOGY



MARTY REDDEN
Acting Secretary

POLICY 510: Security and Privacy Architectures

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| VERSION NUMBER | Policy 510-01 |
| VERSION DATE | August 15, 2019 |
| POLICY TITLE | Security and Privacy Architectures |
| OBJECTIVE | <p>The objectives of this policy are to address actions taken by organizations in the design and development of information systems and to ensure that information security and privacy architecture at the individual information system level is consistent with and complements the more global, organization-wide and enterprise-wide information security and privacy architecture. In addition, where there are dependencies on external information systems and service providers, ensure that such dependencies are consistent with agency mission and business protection strategy. The overall goal is to improve the manageability, reliability, effectiveness, and efficiency of agency business functions.</p> |
| AUTHORITY | <p>The authority of the Office of Information Technology (OIT) to create and enforce policies relating to the management and operation of information technology (IT) resources by state agencies, and exceptions to such authority, are derived from:</p> <p><i>Articles 8 and 11 of Chapter 4 of Title 41, and Chapter 28 of Title 41, Code of Alabama 1975 (Acts 2013-68 and 2017-282).</i></p> <p>Policies of OIT are approved and signed by the Governor.</p> |
| APPLICABILITY | <p>The requirements and responsibilities defined in OIT policies apply to all departments, agencies, offices, boards, commissions, bureaus, and authorities (referred to generally as agency or agencies) and authorized individuals in the employment of the State of Alabama responsible for the management, operation, or use of state IT.</p> |

STATEMENT
OF POLICY

It is the policy of OIT that:

- a) Security and privacy architectures describe the philosophy, requirements, and approach to be taken for protecting the confidentiality, integrity, and availability of organizational information. [PL-8 a.1]
- b) System security and privacy plans shall describe how the security and privacy architectures are integrated into and support the applicable enterprise architecture. [PL-8 a.2]
- c) Security and privacy architectures shall describe any security- and privacy-related assumptions about, and dependencies on, external services [PL-8 a.3]

OIT
RESPONSIBILITIES

OIT shall:

- O.1 Define standard security and privacy architectures that can effectively support agency missions or business functions.
- O.2 Establish procedures to ensure that security and privacy architectures evolve as technology progresses and business needs evolve.
- O.3 Review and update (as necessary) security and privacy architectures no less often than every three (3) years and whenever changes are made to the enterprise architecture. [PL-8 b.]

AGENCY
RESPONSIBILITIES

IT agencies shall:

- A.1 Ensure that external providers that process, store, or transmit state data, or operate systems on behalf of the state or agency, meet the same security and privacy requirements as the agency.
- A.2 Ensure that security and privacy architecture changes are reflected in the system security plan, the security Concept of Operations (CONOPS), and organizational procurements and acquisitions. [PL-8 c.]

SUPPORTING
DOCUMENTS

The following documents support this policy:

- [Standard 510S1: Zone Architecture](#)

The following special publications (SP) of the National Institute of Standards and Technology (NIST) support this policy and may aid in its implementation:

- NIST SP 800-39: Managing Information Security Risk
- NIST SP 800-53R4: Security and Privacy Controls for Federal Information Systems and Organizations

EFFECTIVE DATE

This policy shall be effective upon its approval by the Secretary of Information Technology and the Governor of Alabama as evidenced by the signatures of the Secretary and Governor being affixed hereto.

SUPERSEDES

This policy supersedes legacy Policy 500-01: Statewide Information Systems Architecture.

The undersigned, as Acting Secretary of Information Technology of the State of Alabama, exercising the power vested in that Office by the laws of this state, declares this policy to be adopted as of the date on which the Governor has approved and signed it.

Marty Redden
Acting Secretary of Information Technology

ORDERED

Kay Ivey
Governor

This _____ day of _____, 2019.

DOCUMENT CHANGE HISTORY

| Version | Version Date | Comments |
|---------|--------------|-----------------|
| 510-01 | 08/15/2019 | Initial version |
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