



**State of New Mexico Statewide
Architectural Configuration Requirement
Title: Configuration Management Standard
S-STD002.001
Effective Date: October 18, 2005**

1. Authority

The Department of Information Technology (DoIT) shall develop, implement and maintain a coordinated statewide plan for information technology (IT) including the adoption of statewide technical, coordination, and security standards per the Department of Information Technology Act, NMSA 9-27-1 et. seq. (1978).

2. Purpose

To establish a statewide inventory program of IT devices (servers, storage, clients), network components, associated software products, and IT business applications for all agencies, supported by the web-based *Statewide Asset Management System* application. The standard also provides requirements for the tracking of changes to system and software components.

3. Scope

This applies to all Executive Agencies and to any other Agency or Entity utilizing Executive Agency infrastructure.

The Department Secretary or Agency Director, working in conjunction with the Department or Agency Chief Information Officer (CIO) or IT Lead, shall be responsible for ensuring the effective implementation of Statewide Information Technology Policies, Standards, and Procedures (PSPs) within each agency.

4. Standard

4.1 Configuration management is the management process for establishing and maintaining consistency of an IT component's performance, functional, and physical attributes with its requirements, design, and operational information throughout its life. Each agency shall establish a configuration management program that defines organizational responsibilities and processes that document and provide accountability for changes to devices and/or associated software components in the production IT environment. Configuration management programs should contain the following elements:

- Consistent, unique identification of devices and/or associated software components.
- Documented change control for coordination of all changes/updates to devices, operating system software, and/or associated software components,

- including when and how they are made, and by whom.
- Status accounting to track the state of all configuration items, pending changes, and approved changes to configuration items.
- Verification and auditing to ensure that the processes function as designed; ISO 10007:2003, Quality Management – Guidelines for Configuration.

Management and ANSI/EIA 649-B:2011, *National Consensus Standard for Configuration Management* provides broad, general guidance, applicable to both hardware and software components, on how to design, structure and implement configuration management programs.

4.2 Each agency shall maintain a perpetual inventory as well as configuration/version information for all IT devices and associated software assets, and IT applications.

4.2.1 Each agency shall maintain a high-level agency network/ systems diagram, supported by detail diagrams identifying the underlying structures of its computer/systems network. This includes IT devices, network components (including all nodes and connections), communication equipment, software, links, and services, etc., used in communicating reliable transfers of information. These diagrams will map the agency's architecture/infrastructure, which can then be used for information systems planning.

4.2..2 Network / systems diagrams should be computer-generated, using software tools, checked periodically to ensure that no unauthorized changes have been made, and readily accessible to authorized agency personnel.

5. Definitions

Refer to the N-DEF001.001 Glossary of Terms located on the DoIT website:

<http://www.doit.state.nm.us/standards.html>

6. References

None

7. Attachments

None

8. Version Control

S-STD-002.001

9. Revision History

Original 10/18/05

Format Updated 09/18/13