



STATE OF WISCONSIN

DEPARTMENT OF ADMINISTRATION

Tony Evers, Governor
 Kathy Blumenfeld, Secretary
 Trina Zanow, Division Administrator
 Effective Date: 08/01/2024

280 - SUPPLY CHAIN RISK MANAGEMENT STANDARD

Purpose

The purpose of the Supply Chain Risk Management Standard is to set forth requirements and expectations through the development of documentation related to, and supporting the supply chain and risk management framework to ensure that State of Wisconsin staff and business partners are well-informed of their responsibilities, and to maximize the State of Wisconsin information system environment uptime without delay or disruption.

Standard

Based on NIST SP 800-53 Rev. 5, DET's Standards address a diverse set of security and privacy requirements. As a currently established baseline for implementation, DOA utilizes all low level, and selected moderate level controls in support of its security posture initiatives. Agencies shall categorize their data and identify the potential impact (high, moderate, or low), and select controls appropriately as defined by Table 3-1 in NIST SP 800-53B for the allocated impact levels (high, moderate, low) of controls and control enhancements. Agencies shall update DET on the status of their baseline control implementation through the reporting and monitoring process.

Executive Branch Agencies shall develop policies, procedures, or processes for their own State information systems and system environments to protect State information, if applicable. **Note:** Some agencies have specific regulatory requirements to follow that go above and beyond the requirements for other agencies. Implementation of the standard controls within this document can be (1) a common (inheritable) control, (2) a system-specific control, or (3) a hybrid control. The control implementation defines the scope of applicability for the control, the shared nature or inheritability of the control, and the responsibility for control development, implementation, assessment, and authorization.

Agencies have defined appropriations under Wisconsin Chapter 20 that determines what they are funded to do. This standard contains the minimum baseline controls that Executive Branch agencies shall implement; however, those agencies may also be required to implement controls outside of the scope of the controls listed in this document.

BASELINE CONTROLS

Policy and Procedures (SR-1):

- Develop, document, and disseminate to appropriate agency personnel or roles:
 - A supply chain risk management policy that:
 - Addresses purpose, scope, roles, responsibilities, management commitment, coordination among agency entities, and compliance.
 - Is consistent with applicable laws, executive orders, directives, regulations,



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policies, standards, and guidelines.

- Procedures to facilitate the implementation of the supply chain risk management policy and the associated supply chain risk management controls.
- Designate appropriate agency personnel to manage the development, documentation, and dissemination of the supply chain risk management policy and procedures.
- Review and update the current supply chain risk management:
 - Policy on an agency-defined frequency.
 - Procedures on an agency-defined frequency.

Supply Chain Risk Management Plan (SR-2):

- Develop a plan for managing supply chain risks associated with the research and development, design, manufacturing, acquisition, delivery, integration, operations and maintenance, and disposal of agency-defined systems, system components, or system services.
- Review and update the supply chain risk management plan on an agency-defined frequency or as required, to address threat, organizational or environmental changes.
- Protect the supply chain risk management plan from unauthorized disclosure and modification.

Supply Chain Controls and Processes (SR-3):

- Establish a process or processes to identify and address weaknesses or deficiencies in the supply chain elements and processes of agency-defined system or system component in coordination with supply chain personnel.
- Employ supply chain controls against supply chain risks to the system, system component, or system service to limit the harm or consequences from supply chain-related events.
- Document the selected and implemented supply chain processes and controls.

Acquisition Strategies, Tools, and Methods (SR-5):

- Employ acquisition strategies, contract tools, and procurement methods to protect against, identify, and mitigate supply chain risks.

Supplier Assessments and Reviews (SR-6):

- Assess and review the supply chain-related risks associated with suppliers or contractors and the system, system component, or system service they provide on an agency-defined frequency.

Notification Agreements (SR-8):

- Establish agreements and procedures with entities involved in the supply chain for the system, system component, or system service for the notification of supply chain compromises, the results of assessments or audits, or of agency-defined information.



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Inspection of Systems or Components (SR-10):

- Inspect agency-defined systems or system components at random, at an agency-defined frequency, or upon agency-defined indications of need for inspection to detect tampering.

Component Authenticity (SR-11):

- Develop and implement anti-counterfeit policy and procedures that include the means to detect and prevent counterfeit components from entering the system.
- Report counterfeit system components to agency-defined personnel or roles.

Anti-Counterfeit Training (SR-11(1)):

- Train agency-defined personnel or roles to detect counterfeit system components (including hardware, software, and firmware).

Configuration Control for Component Service and Repair (SR-11(2)):

- Maintain configuration control over agency-defined system components awaiting service or repair and serviced and repaired components awaiting return to service.

Component Disposal (SR-12):

- Dispose of agency-defined data, documentation, tools, or system components using agency-defined techniques and methods.

Additional Documentation

- Wisconsin Chapter 20 [https://docs.legis.wisconsin.gov/document/statutes/20.505\(1\)\(kL\)](https://docs.legis.wisconsin.gov/document/statutes/20.505(1)(kL))
 “All moneys received for the provision of document sales services and services under ss. [16.971](#), [16.972](#), [16.973](#), [16.974 \(3\)](#), and [16.997 \(2\) \(d\)](#), other than moneys received and disbursed under par. [\(j\)](#) and s. [20.225 \(1\) \(kb\)](#), shall be credited to this appropriation account.”
- Wis. Stat. § 16.971 (2) <https://docs.legis.wisconsin.gov/statutes/statutes/16/vii/971>
 The Department shall:
 - (cm) Prescribe standards for data, application, and business process integration that shall be used by executive branch agencies, to the extent consistent with the statewide strategic plan formulated under par. (m), and that enable local governmental units to integrate their data, application, and business processes into state systems whenever feasible.
 - (d) Develop review and approval procedures which encourage timely and cost-effective hardware, software, and professional services acquisitions, and review and approve the acquisition of such items and services under those procedures.

Definitions

Executive Branch Agency - State of Wisconsin legislatively defined Departments and all customers of DET services, equipment, and/or technologies. Agency or State Agency may be used interchangeably



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with Executive Branch Agency.

State information - Any information/data that is created, accessed, used, stored, or transmitted by an Executive Branch Agency.

State information systems and system environments - All equipment or services used to input, store, process, transmit, and output information, including, but not limited to network devices, servers, databases, printers, Internet, email, physical, virtual, cloud, and applications accessible to and/or managed by the agency.

Exception Process

Exceptions to any Executive Branch Agency’s Security Policies or Standards shall follow the Executive Branch Risk Exception Procedure.

Document History and Ownership

This standard was developed as required by the State of Wisconsin Information Technology Security Policy Handbook, under the authority of Wis. Stat. § 16.971.

This standard is effective upon approval and publication until revised, updated, or retired.

Ownership for this standard is assigned to DOA, DET Bureau of Security. As such, the DOA, DET Bureau of Security is responsible for the maintenance, update(s), and review of this document annually before the anniversary of the effective date.

Version #	Revision or Review Date	Description of Change(s)	Reviewer/Author	Date Approved
1.0	06/24/22	Submitted to and approved by the IT Executive Steering Committee	Reviewer: ITESC Author: DOA/DET	06/24/22
2.0	06/24/22	Reviewed with Agency Security Officers and IT Directors and changes were incorporated	Reviewer: ITESC Author: DOA/DET	06/24/22
3.0	07/04/23	Reviewed with Agency Security Officers and IT Directors and changes were incorporated	Reviewer: WI ISAC and Enterprise IT Author: DOA/DET/BOS	08/01/23
4.0	7/2/24	Reviewed with Agency Security Officers and IT Directors and changes were incorporated	Reviewer: WI ISAC and Enterprise IT Author: DOA/DET/BOS	7/30/24

NOTE: Keep only the origination and the last 10 years of update information. Only notate prior three revisions. Include only interim/final revision statuses.



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Authorized and approved by:

Troy Stairwalt, State of Wisconsin Chief Information Security Officer

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Signature

7/31/2024 | 4:05 PM CDT

Print/Type
Title

Date



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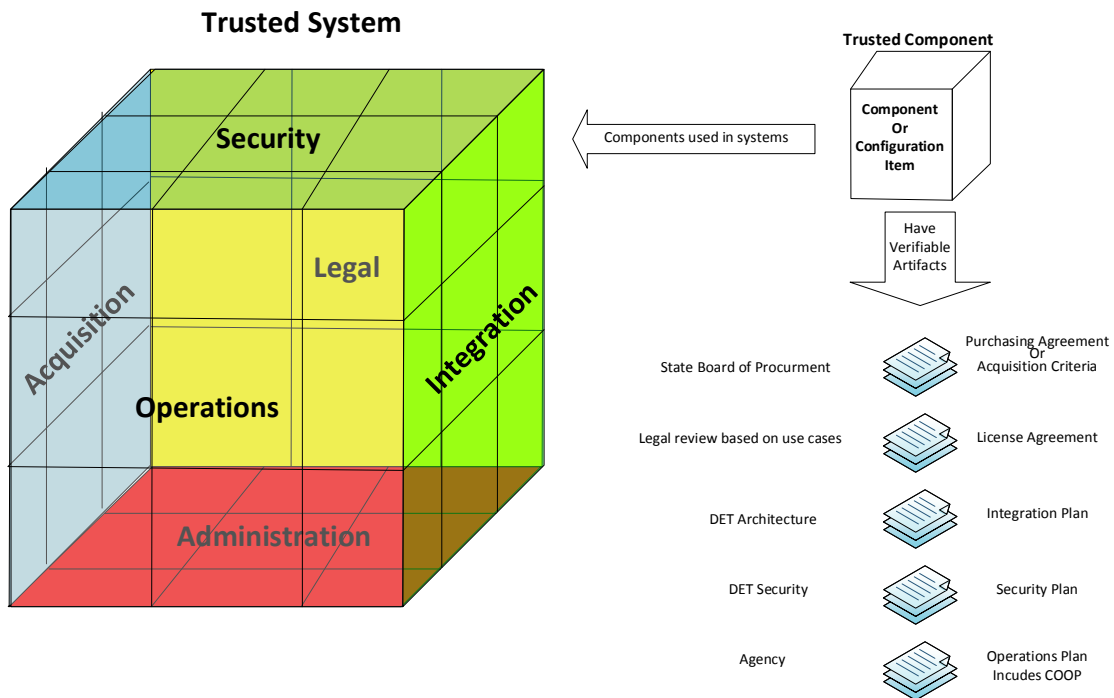
Appendix A

Additional information for Executive Branch agencies to consider regarding supply chain.

When looking at the supply chain we are talking about the **acquisitions** of components (Products and Services) that will be **integrated** together to develop systems that handle data.

Not all controls are technical. Legal, Acquisition (Procurement), IT security, operations, and integration (compatibility) all have weight in the process. Trusted systems are made from trusted components. Each component must have verifiable artifacts that each area above defines as "Good". These would be used to "test" the components at every supplier to ensure trust throughout the entire system end to end.

The Goal of supply chain management is to build and maintain trusted systems. This is illustrated in the below diagrams.



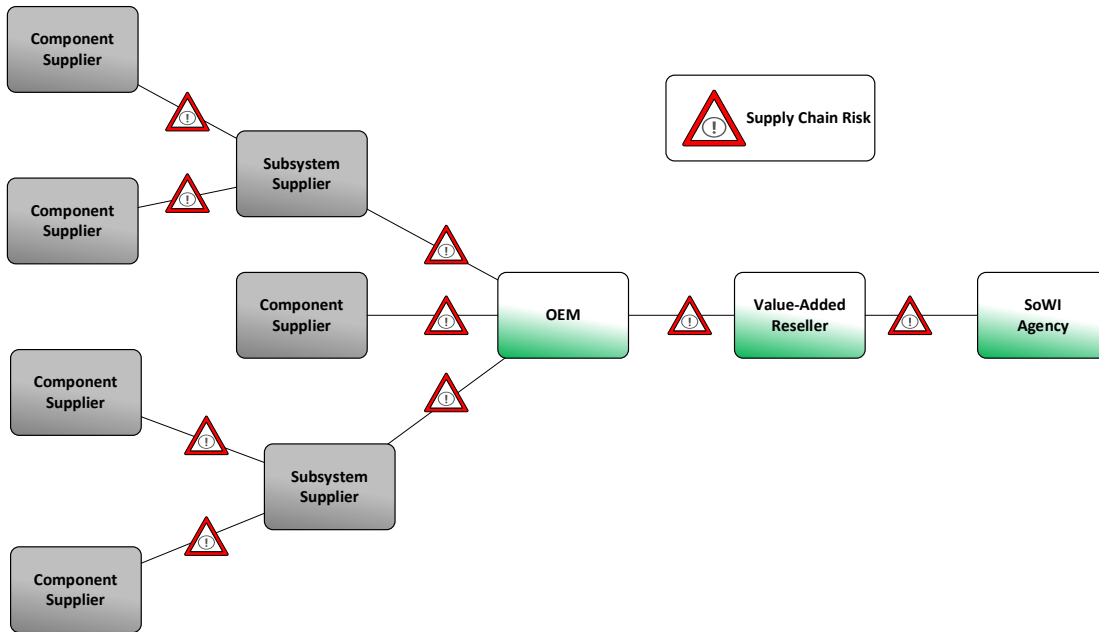
Where there are gaps (exceptions) in verifiable artifacts, a procedure will need to define how these are handled.



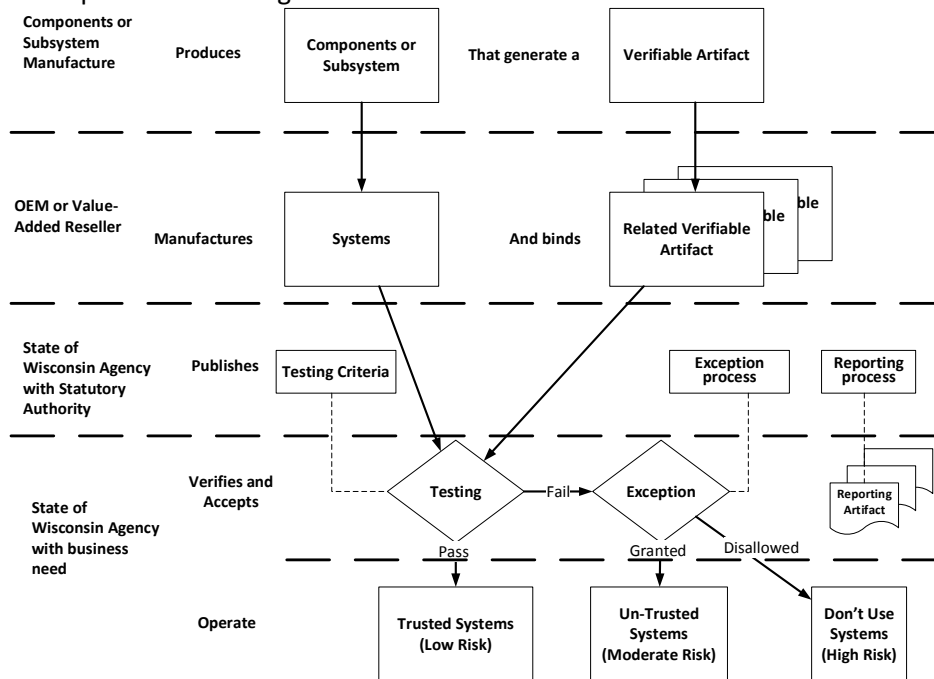
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Here is a typical supply chain:



Testing criteria should prescribe what "good" is





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It is recommended that all components and services use the NIST Official Common Platform Enumeration (CPE) Dictionary or CPE naming format for identification of components and services across the enterprise and in any artifacts generated. This would be used to populate the Technology Reference Model (TRM) at both the Enterprise and Agency levels as well as to enable continuous testing against the National Vulnerability Database by the enterprise and agency security programs.

As agencies test their systems, some will be found to be a Moderate or High risk. These will always require a Plan of Actions and Milestones (POAM) to move them into Low Risk.

It should also be noted that components or systems often have a published lifetime, so annual testing (as per policy) at a minimum will need to be a documented part of the operations in their program management plan. Here is an example for a Cloud Service that integrates with DET services:

Overall Test = Suppliers meet procurement baselines + SOC 2 Type 2 + Integration Plan + Operations Plan

