

## Idaho Technology Authority (ITA)

# ENTERPRISE STANDARDS – S3000 NETWORK AND TELECOMMUNICATIONS

Category: S3120 – NETWORK SERVICES – DATA / NETWORK INTEGRITY

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## I. DEFINITION

A data and network integrity system (DNI) is a system of hardware and software that compares data and file attributes to an established baseline and/or configuration policy. The DNI detects, logs and reports additions, deletions, or changes, and identifies affected systems and/or files. The DNI monitors the integrity of critical system files for both security (detection of attacks, collection of forensic evidence, etc.) and general system administration purposes.

## II. RATIONALE

In digital government, both network availability and application/data integrity must be maintained in order to build a trusted infrastructure that fosters the confidence of citizens and system users. Data and network integrity verification is a security function that helps ensure this trusted infrastructure is maintained for the benefit of the entire enterprise. In addition, any data and network integrity solution must have an architecture that can be implemented within the enterprise security strategy and policy.

## III. APPROVED STANDARD(S)

1. Secure Sockets Layer (SSL); and
2. Internet Protocol (IP).

#### **IV. APPROVED PRODUCT(S)**

- Tripwire Manager;
- Tripwire for Servers;
- Tripwire for Web Pages; and
- Tripwire for Routers and Switches.

#### **V. JUSTIFICATION**

Tripwire is recognized as the industry leader in data and network integrity products and technical expertise is available within the State to support this product. The Tripwire Manager's management console enables efficient management of Tripwire services across an enterprise network. Adoption of this standard will ease use and ensure compatibility for security services.

#### **VI. TECHNICAL AND IMPLEMENTATION CONSIDERATIONS**

The deployment, configuration and management of a data and network integrity system is a complex task requiring skilled resources.

#### **VII. EMERGING TRENDS AND ARCHITECTURAL DIRECTIONS**

There are no emerging trends and architectural directions for this standard.

#### **VIII. PROCEDURE REFERENCE**

There are no procedure references for this standard.

#### **IX. REVIEW CYCLE**

Six (6) Months

#### **X. CONTACT INFORMATION**

For more information, contact the ITA Staff at (208) 332-1876.

#### **REVISION HISTORY**

07/01/13 – Changed "ITRMC" to "ITA".

6/15/09 – Added Emerging Trends and Architectural Directions and Procedure Reference to this standard, changed the layout and deleted Timeline.

8/25/04 – Revised rationale of standard for clarity.

Effective Date:       October 2, 2001