Changes to UCR 2008, Change 2, Section 5.11, Enterprise and Network Management Systems

NOTE: This is a new Section added effective in UCR 2008, Change 2; therefore, an errata sheet is not applicable. This sheet will be used as a placeholder for future changes made to this section.

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5.11 ENTERPRISE AND NETWORK MANAGEMENT SYSTEMS

5.11.1 Introduction

This section identifies basic requirements for enterprise and network management systems. This section does not specify requirements for how an enterprise or network management system shall display performance data on a user interface, nor the data elements a management system must collect from a UC product. The individual UCR sections describe requirements as to what data elements (e.g., alarms, performance, and status) a UC product is required to send to a network management system for performance and status monitoring.

5.11.2 Minimum Requirements

Enterprise and network management systems must:

1. Meet all Information Assurance and STIG requirements.

2. Must interoperate with UC products' COTS NM interface/system for monitoring and commanding the UC product.

3. Leverage COTS interface of UC products to be managed.

4. Must be capable of exchanging data with other network management systems for information sharing purposes.

5.11.2.1 Connectivity to Monitored Network Elements

The management system must have the capability to establish the following protocols for communication with a UC product:

1. Receiving SNMPv3 traps from a monitored product

2. Sending SNMP (MIB) poll requests to a monitored product

3. Collecting and mediating Call Detail Records (CDRs) and IP Detail Records (IPDRs) from a monitored product

4. Securing the connection using TLS

5.11.2.2 Segregation of NM Data into Categories

The EMS system must be capable of receiving and analyzing the following NM data categories:

1. System Events
2. Security Events
3. Performance Events (5-minute polls)
4. Performance (15-minute polls)
5. CDRs