



Technology Area

DEFINITION

<i>Name</i>	Network Security
<i>Description</i>	<p>Network Security ensures the confidentiality, integrity, and availability of systems, networks, and data through the planning, analysis, development, implementation, maintenance, and enhancement of information systems security programs, policies, procedures, and tools.</p> <p>Network security tools (hardware and/or software) are used to accomplish this goal, making it possible to create and enforce security policies that make a network secure. Network security tools deliver visibility (the ability to see and understand the nature of the network traffic) and control (the ability to affect network traffic).</p> <p>One example would be a firewall. A firewall blocks unwanted access to the protected network while allowing access to networks outside of the firewall. An organization will typically install a firewall to give users access to the Internet while protecting their internal information.</p> <p>Some network security tools provide access control for the network, controlling who can log in to the network and what privileges they have. Other security tools are designed to detect and defend against intrusions to the network--attempts to exploit a network's vulnerability.</p>
<i>Rationale</i>	Network security employs a variety of tools to protect the hardware, software, and information resources of an organization. It plays a vital role in protecting the technology infrastructure of an organization from unauthorized access.
<i>Benefits</i>	It is common for an organization to have connected their resources to intranets, extranets and the Internet. Network security protects the organization's network from many different types of threats that could cause service interruption and corruption of data, resulting in down time, increased costs, and damaged public image.

ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Infrastructure
<i>Specify the Discipline Name</i>	Network

KEYWORDS

<i>List Keywords</i>	Network security, firewall, intrusion detection, access control, threats, worms, viruses, Trojans, hackers
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ASSOCIATED COMPLIANCE COMPONENTS

<i>List the Compliance Component Names</i>	<p>Security Equipment: Firewalls</p> <p>Security Equipment: Intrusion Detection Systems</p> <p>Access Control Servers (ACS)</p>
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ASSOCIATED PRODUCT COMPONENTS

List the Product Component Names

N/a

CURRENT STATUS

Provide the Current Status

In Development

Under Review

Approved

Rejected

AUDIT TRAIL

Creation Date

3/25/04

Date Approved / Rejected

5/11/04

Reason for Rejection

Last Date Reviewed

Last Date Updated

Reason for Update