



Compliance Component

DEFINITION

<i>Name</i>	Cryptography Uses
<i>Description</i>	Cryptography transforms data into a secured format. It is a critical tool for protecting information and is used to provide many security services, such as enabling digital signatures, and securing email, stored data, virtual private networks (VPN), web servers and wireless communication.
<i>Rationale</i>	Data needs special protection if it is sensitive, has a high value, or is vulnerable to unauthorized disclosure or undetected modification. Cryptographic methods protect against intentional or accidental compromise and alteration of data.
<i>Benefits</i>	<ul style="list-style-type: none"> Provides confidentiality, integrity and availability for systems, communications and data.

ASSOCIATED ARCHITECTURE LEVELS

<i>List the Domain Name</i>	Security
<i>List the Discipline Name</i>	Technical Controls
<i>List the Technology Area Name</i>	Cryptography
<i>List Product Component Name</i>	

COMPLIANCE COMPONENT TYPE

<i>Document the Compliance Component Type</i>	Guideline
<i>Component Sub-type</i>	

COMPLIANCE DETAIL

<i>State the Guideline, Standard or Legislation</i>	<p>See compliance components for:</p> <ul style="list-style-type: none"> Digital signatures Cryptography for Email Cryptography for Stored Data Cryptography for VPN Cryptography for Web Servers Cryptography for Wireless
<i>Document Source Reference #</i>	<p>(All found at www.csrc.nist.gov) NIST Special Publication 800-12, An Introduction to Computer Security: The NIST Handbook (Oct 1997) NIST SP 800-21, Guideline for Implementing Cryptography in the Federal Government (Nov 1999)</p>

Standard Organization

<i>Name</i>	NIST Federal Information Processing Standards	<i>Website</i>	www.csrc.nist.gov/publications/fips/index.html
<i>Contact Information</i>	inquiries@nist.gov		

Government Body			
<i>Name</i>	National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC)	<i>Website</i>	www.csrc.nist.gov/publications/fips/index.html
<i>Contact Information</i>	inquiries@nist.gov		
KEYWORDS			
<i>List all Keywords</i>			
COMPONENT CLASSIFICATION			
<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i>	<input checked="" type="checkbox"/> <i>Current</i>	<input type="checkbox"/> <i>Twilight</i> <input type="checkbox"/> <i>Sunset</i>
Rationale for Component Classification			
<i>Document the Rationale for Component Classification</i>			
Conditional Use Restrictions			
<i>Document the Conditional Use Restrictions</i>			
Migration Strategy			
<i>Document the Migration Strategy</i>			
Impact Position Statement			
<i>Document the Position Statement on Impact</i>			
CURRENT STATUS			
<i>Provide the Current Status</i>	<input type="checkbox"/> <i>In Development</i>	<input type="checkbox"/> <i>Under Review</i>	<input checked="" type="checkbox"/> <i>Approved</i> <input type="checkbox"/> <i>Rejected</i>
AUDIT TRAIL			
<i>Creation Date</i>	04/13/2004	<i>Date Accepted / Rejected</i>	4/13/04
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			