



COMPLIANCE COMPONENT

DEFINITION	
<i>Name</i>	Disposal Phase
<i>Description</i>	The disposal phase ensures the appropriate sanitization of agency information. Sanitization is the process used to remove data from information systems and media such that there is reasonable assurance that it cannot be retrieved or reconstructed.
<i>Rationale</i>	The disposal phase is essential to prevent the inadvertent release of information and/or software.
<i>Benefits</i>	<ul style="list-style-type: none"> Protects sensitive information from disclosure. Adheres to copyright, statutory, and regulatory requirements.
ASSOCIATED ARCHITECTURE LEVELS	
<i>Specify the Domain Name</i>	Security
<i>Specify the Discipline Name</i>	Management Controls
<i>Specify the Technology Area Name</i>	System Life Cycle Security
<i>Specify the 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>1. <u>Types of Media</u></p> <ul style="list-style-type: none"> Hard Copy Media are physical representations of information, most often associated with paper printouts and can be disposed of by either incineration or shredding (provided the shredded material is of appropriate size according to agency requirements). Electronic media includes, but is not limited to, the following: <ul style="list-style-type: none"> Hard disk drives Solid state drives USB drives Fax machines Printers Scanners Mobile devices (cellphones, tablets, etc.) Memory cards Official electronic records shall be properly archived or disposed using agency approved methods. Obsolete, surplus or decommissioned media containing agency data shall be overwritten, degaussed or destroyed.

- A record shall be kept of who, when, and how sanitization or disposal actions were implemented on all electronic media and the final disposition of such media shall be maintained within the agency for an appropriate length of time.
- If the sanitization status of electronic media is unknown, it shall be considered not to have been overwritten, degaussed or destroyed.
- The information owner shall be responsible for backing up any data to be retained before allowing the media to be disposed.

2. Types of Sanitization - Clear, Purge, and Destroy are actions that can be taken to sanitize media. The categories of sanitization are defined as follows:

- **Clear** applies logical techniques to sanitize data in all user-addressable storage locations for protection against simple non-invasive data recovery techniques; typically applied through the standard Read and Write commands to the storage device, such as by rewriting with a new value or using a menu option to reset the device to the factory state (where rewriting is not supported).
- **Purge** applies physical or logical techniques that render Target Data recovery infeasible using state of the art laboratory techniques.
- **Destroy** renders Target Data recovery infeasible using state of the art laboratory techniques and results in the subsequent inability to use the media for storage of data.

3. Overwriting Electronic Media

- Overwriting electronic media should only be used if destroying or degaussing is deemed impractical by appropriate authorities.
- If damaged electronic media inhibits the overwriting process, the media shall be physically destroyed or degaussed.
- Overwriting software shall provide the capability to:
 - Purge all data or information, including the O/S, from the physical or logical drives.
 - Overwrite all sectors, blocks, tracks, and slack or unused space on the entire medium.
 - Individually wipe RAID controlled hard drives.
 - Verify that all data has been removed from the entire electronic media.
 - Provide the user with validation that the procedure was completed properly.
- Overwriting software that merely reformats or repartitions a hard drive is not acceptable.
- The overwriting process shall be performed at least three times before verifying the media is sanitized.

4. Destroying Damaged Electronic Media

- Electronic media may be physically destroyed by one of the following methods:
 - Disintegrate, pulverize, melt, incinerate or shred the media so that it cannot be re-used as a functioning device.

5. Degaussing Electronic Media

	<ul style="list-style-type: none"> • The degausser shall be rated sufficient for the media. • Shielding materials may be removed from the hard drive and magnetic platters may be removed from the hard drive housing before degaussing. • Individuals performing the degaussing function shall be properly trained. <p>This document will be reviewed annually or as needed.</p>		
Document Source Reference #	NIST SP 800-88 Guidelines for Media Sanitization, Rev. 1 (www.csrc.nist.gov/publications/nistpubs);		
Compliance Sources			
Name	National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC)	Website	http://csrc.nist.gov/
Contact Information	inquiries@nist.gov		
Name		Website	
Contact Information			
KEYWORDS			
List Keywords	Wipe, erase, clean, expunge, obliterate, purge, surplus, confidential, sanitize, shred, degauss		
COMPONENT CLASSIFICATION			
Provide the Classification	<input type="checkbox"/> Emerging <input checked="" type="checkbox"/> Current <input type="checkbox"/> Twilight <input type="checkbox"/> Sunset		
Sunset Date			
COMPONENT SUB-CLASSIFICATION			
Sub-Classification	Date	Additional Sub-Classification Information	
<input type="checkbox"/> Technology Watch			
<input type="checkbox"/> Variance			
<input type="checkbox"/> Conditional Use			
Rationale for Component Classification			
Document the Rationale for Component Classification			
Migration Strategy			
Document the Migration Strategy			
Impact Position Statement			
Document the Position Statement on Impact			
CURRENT STATUS			
Provide the Current Status	<input type="checkbox"/> In Development <input checked="" type="checkbox"/> Under Review <input type="checkbox"/> Approved <input type="checkbox"/> Rejected		
AUDIT TRAIL			
Creation Date	07/22/2004	Date Approved / Rejected	02/13/2025

<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>	01/28/2025	<i>Last Date Updated</i>	02/13/2025
<i>Reason for Update</i>	Vitality		