Industry	Regulation	Paragraph Number	The Verbage	Explanation
Financial	GDPR	Recital 87	A personal data breach may, if not addressed in an appropriate and timely	The 72-hour notification rule for breaches only is viable if the
			manner, result in physical, material or non-material damage to natural persons	company has a current inventory of their data bearing devices
			such as loss of control over their personal data or limitation of their rights,	through the storage server system itself and a means to track loose
			discrimination, identity theft or fraud, financial loss, unauthorised reversal of	(failed) or decommissioned media. Failure to track and contain loose
			pseudonymisation damage to reputation, loss of confidentiality of personal data	media that is no longer monitored makes it capable for a critical
			protected by professional secrecy or any other significant economic or social	hard drive to be stolen and years to pass before discovery.
			disadvantage to the natural person concerned. Therefore, as soon as the	
			controller becomes aware that a personal data breach has occurred, the	
			controller should notify the personal data breach to the supervisory authority	
			without undue delay and, where feasible, not later than 72 hours after having	
			become aware of it, unless the controller is able to demonstrate, in accordance	
			with the accountability principle, that the personal data breach is unlikely to	
			result in a risk to the rights and freedoms of natural persons. Where such	
			notification cannot be achieved within 72 hours, the reasons for the delay should	
			accompany the notification and information may be provided in phases without	
			undue further delay."	
		Recital 85	"[87] It should be ascertained whether all appropriate technological protection	In many data centers, when new storage servers have spun up and
			and organisational measures have been implemented to establish immediately	data installed, the older storage server is shut down. The monitoring
			whether a personal data breach has taken place and to inform promptly the	systems on the old storage servers are now turned off, leaving this
			supervisory authority and the data subject. The fact that the notification was	system vulnerable to subterfuge. Also, the data bearing devices are
			made without undue delay should be established taking into account in particular	no longer tracked to protect the EU citizen's data.
			the nature and gravity of the personal data breach and its consequences and	(12) 'personal data breach' means a breach of security leading to
			adverse effects for the data subject. Such notification may result in an	the accidental or unlawful destruction, loss, alteration, unauthorised
			intervention of the supervisory authority in accordance with its tasks and powers laid down in this Regulation."	disclosure of, or access to, personal data transmitted, stored or otherwise processed;
	FFEIC Handbook	II.C.5 Inventory and Classification of Assets	Inventory and Classification of Assets requires management to "maintain and	Loose media that contains all the data written to it while in a
			keep updated an inventory of technology assets that classifies the sensitivity and	computer of storage server becomes a critical asset.
			criticality of those assets, including hardware, software, information, and	, , , , , , , , , , , , , , , , , , ,
			connections."	
		II.C.7 User Security Controls	User Security Controls requires "establishing and administering a user access	
			program for physical and logical access".	
		II.C.7(b) User Access Program	User Access Program requires management to "develop a user access program to	
			implement and administer physical and logical access controls to safeguard the	
			institution's information assets and technology.	
		II.C.7(c) Segregation of Duties	Segregation of Duties requires "segregation of duties, or job designs that require	
			more than one person to complete critical or sensitive tasks, can help mitigate	
		U.O.7(1) Turkini	risk."	
		II.C.7(e) Training	Training "ensures personnel have the necessary knowledge and skills to perform their job functions."	
	NIST 800-53	MP-6(1) MEDIA SANITIZATION REVIEW /	The organization reviews, approves, tracks, documents, and verifies media	
	14131 800-33	APPROVE / TRACK / DOCUMENT / VERIFY	sanitization and disposal actions. Organizations review and approve media to be	
		ATTROVE / TRACK / DOCUMENT / VERIFT	sanitization and disposal actions. Organizations review and approve media to be sanitized to ensure compliance with records-retention policies.	
			Tracking/documenting actions include, for example, listing personnel who	
			reviewed and approved sanitization and disposal actions, types of media	
			sanitized, specific files stored on the media, sanitization methods used, date and	
			time of the sanitization actions, personnel who performed the sanitization,	
			verification actions taken, personnel who performed the verification, and disposal	
			action taken. Organizations verify that the sanitization of the media was effective	
			prior to disposal.	
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	MP-6(2) MEDIA SANITIZATION	The organization tests sanitization equipment and procedures [Assignment:	
	EQUIPMENT TESTING	organization tests sanitization equipment and procedures (Assignment.)	
	EQUIFINIENT TESTING	achieved. Testing of sanitization equipment and procedures may be conducted by	
		qualified and authorized external entities (e.g., other federal agencies or external	
		service providers).	
	MP-6(3) MEDIA SANITIZATION	The organization applies nondestructive sanitization techniques to portable	
	NONDESTRUCTIVE TECHNIQUES	storage devices prior to connecting such devices to the information system under	
	NONDESTRUCTIVE TECHNIQUES	the following circumstances: [Assignment: organization-defined circumstances	
		requiring sanitization of portable storage devices]. This control enhancement	
		applies to digital media containing classified information and Controlled	
		1	
		Unclassified Information (CUI). Portable storage devices can be the source of	
		malicious code insertions into organizational information systems. Many of these	
		devices are obtained from unknown and potentially untrustworthy sources and	
		may contain malicious code that can be readily transferred to information	
		systems through USB ports or other entry portals. While scanning such storage	
		devices is always recommended, sanitization provides additional assurance that	
		the devices are free of malicious code to include code capable of initiating zero-	
	MP-6(7) MEDIA SANITIZATION DUAL	day attacks. Organizations consider pondestructive sanitization of portable. The organization enforces dual authorization for the sanitization of [Assignment:	
	AUTHORIZATION	organization-defined information system media]. Organizations employ dual	
	AUTHORIZATION	authorization to ensure that information system media sanitization cannot occur	
		unless two technically qualified individuals conduct the task. Individuals sanitizing	
		information system media possess sufficient skills/expertise to determine if the	
		proposed sanitization reflects applicable federal/organizational standards,	
		policies, and procedures. Dual authorization also helps to ensure that sanitization	
		occurs as intended, both protecting against errors and false claims of having	
NIST 800-88	NIST SP 800-88 R1 Section 4.4 Control of	A factor influencing an organizational sanitization decision is who has control and	Section 4 requires management to control the media and no data
	Media	access to the media. This aspect must be considered when media leaves	bearing device can be sent to an outside agency unless they
		organizational control. Media control may be transferred when media are	contractually agree to take responsibility for the device (financially
		returned from a leasing agreement or are being donated or resold to be reused	dur to a breach.
		outside the organization. The following are examples of media control: Under	
		Organization Control:	
		Media being turned over for maintenance are still considered under organization	
		control if contractual agreements are in place with the organization and the	
		maintenance provider specifically provides for the confidentiality of the	
		information. Maintenance being performed on an organization's site, under the	
		organization's	
		supervision, by a maintenance provider is also considered under the control of	
		the organization.	
		Not Under Organization Control (External Control):	
		Media that are being exchanged for warranty, cost rebate, or other purposes and	
		where the specific media will not be returned to the organization are considered	
		to be out of organizational control.	
	NIST SP 800-88 R1 Section 4.7.2 Verification	Another key element is the potential training needs and current expertise of	
	of Personnel Competencies	personnel conducting the sanitization. Organizations should ensure that	
		equipment operators are competent to perform sanitization functions.	

NIST SP 800-88 R1 Section 4.8	Following sanitization, a certificate of media disposition should be completed for	99% of Certificate of Destructions in the United States do not meet
Documentation of the Data Eradication	each piece of electronic media that has been sanitized. A certification of media	NIST requirements.
Process	disposition may be a piece of paper or an electronic record of the action taken.	
	For example, most modern hard drives include bar codes on the label for values	
	such as model and serial numbers. The person performing the sanitization might	
	simply enter the details into a tracking application and scan each bar code as	
	the media is sanitized. Automatic documentation can be important as some	
	systems make physical access to the media very difficult.	
	The decision regarding whether to complete a certificate of media disposition and	
	how much data to record depends on the confidentiality level of the data on the	
	media. For a large number	
	of devices with data of very low confidentiality, an organization may choose not	
	to complete the certificate. When fully completed, the certificate should record	
	at least the following details:	
	Manufacturer, Model, Serial Number	
	Organizationally Assigned Media or Property Number (if applicable)	
	Media Type (i.e., magnetic, flash memory, hybrid, etc.)	
	Media Source (i.e., user or computer the media came from)	
	Pre-Sanitization Confidentiality Categorization (optional)	
	Sanitization Description (i.e., Clear, Purge, Destroy)	
	Method Used (i.e., degauss, overwrite, block erase, crypto erase, etc.)	
	Tool Used (including version)	
	Verification Method (i.e., full, quick sampling, etc.)	
	Post-Sanitization Confidentiality Categorization (optional)	
	Post-Sanitization Destination (if known)	
	For Both Sanitization and Verification:	
	o Name of Person	
	o Position/Title of Person	
	o Date	