

Storage media

ISO 27002 Control 7.10

Control

Storage media should be managed through their life cycle of acquisition, use, transportation and disposal in accordance with the organization's classification scheme and handling requirements

Purpose

To ensure only authorized disclosure, modification, removal or destruction of information on storage media



Why is it important?

- It minimizes the risk of confidential information leakage when media are reused or disposed of
- It ensures the long-term integrity and availability of information by protecting media from degradation (e.g., environmental threats)
- It mandates physical protection consistent with the information classification

What does it consist in ?

- Establishing and communicating a topic-specific policy on removable storage media
- Storing all storage media in a safe, secure environment protected against environmental threats
- Using cryptographic techniques to protect information on removable storage media if confidentiality or integrity is important
- Securely deleting data or formatting media before reuse, or destroying media if disposing of confidential information
- Logging the disposal of sensitive items to maintain an audit trail



What are the risks if badly implemented ?

- Confidential information leakage to unauthorized persons upon media reuse or disposal
- Loss of valuable information due to media degradation if not transferred in time
- Unauthorized access, misuse, or corruption of information during physical transport

Link with other frameworks

- NIST 800-53 rev5 : MA-2, MP-2, MP-4, MP-5, MP-6, MP-7, PE-16
- NIST CSF 2.0 : ID.AM-08, PR.DS-01, PR.PS-01, PR.PS-03



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