

Equipment siting and protection

ISO 27002 Control 7.8

Control

Equipment should be sited securely and protected

Purpose

To reduce the risks from physical and environmental threats, and from unauthorized access and damage



Why is it important?

- Improper siting increases the risk of theft, unauthorized access, and viewing of sensitive data
- Protection against environmental threats (e.g., lightning, water, fire) is necessary to ensure the availability and integrity of processing facilities
- Protecting equipment processing confidential information minimizes the risk of information leakage due to electromagnetic emanation

What should be checked ?

- Access to work areas (closed offices)
- Use of screen filters
- Standard rules for work in computer rooms
- Surge protection
- Humidity/temperature monitoring
- Physical segregation of servers based on who manages them
- Inventory of location of temporarily moved assets



Which small details are important ?

- Carefully position information processing facilities handling sensitive data to reduce the risk of information being viewed by unauthorized persons
- Consider the use of special protection methods (e.g., keyboard membranes) in industrial environments
- Guidelines for eating, drinking, and smoking near facilities should be established

Link with other frameworks

- NIST 800-53 rev5 : PE-9, PE-13, PE-14, PE-15, PE-18, PE-19, PE-23
- NIST CSF 2.0 : NA



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