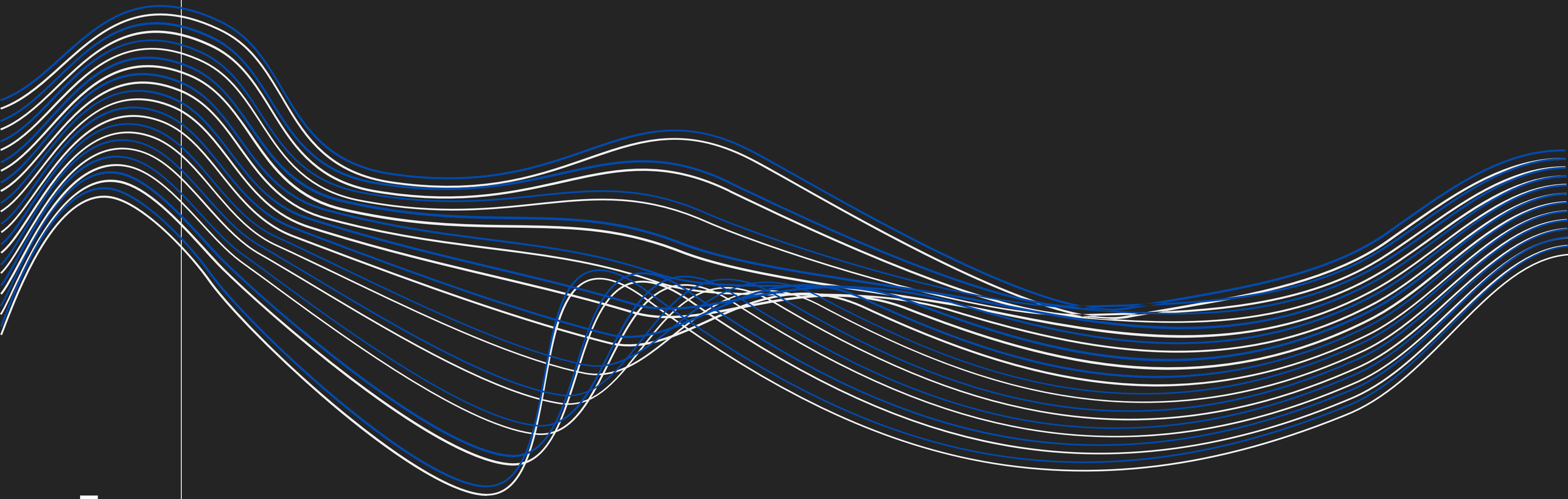


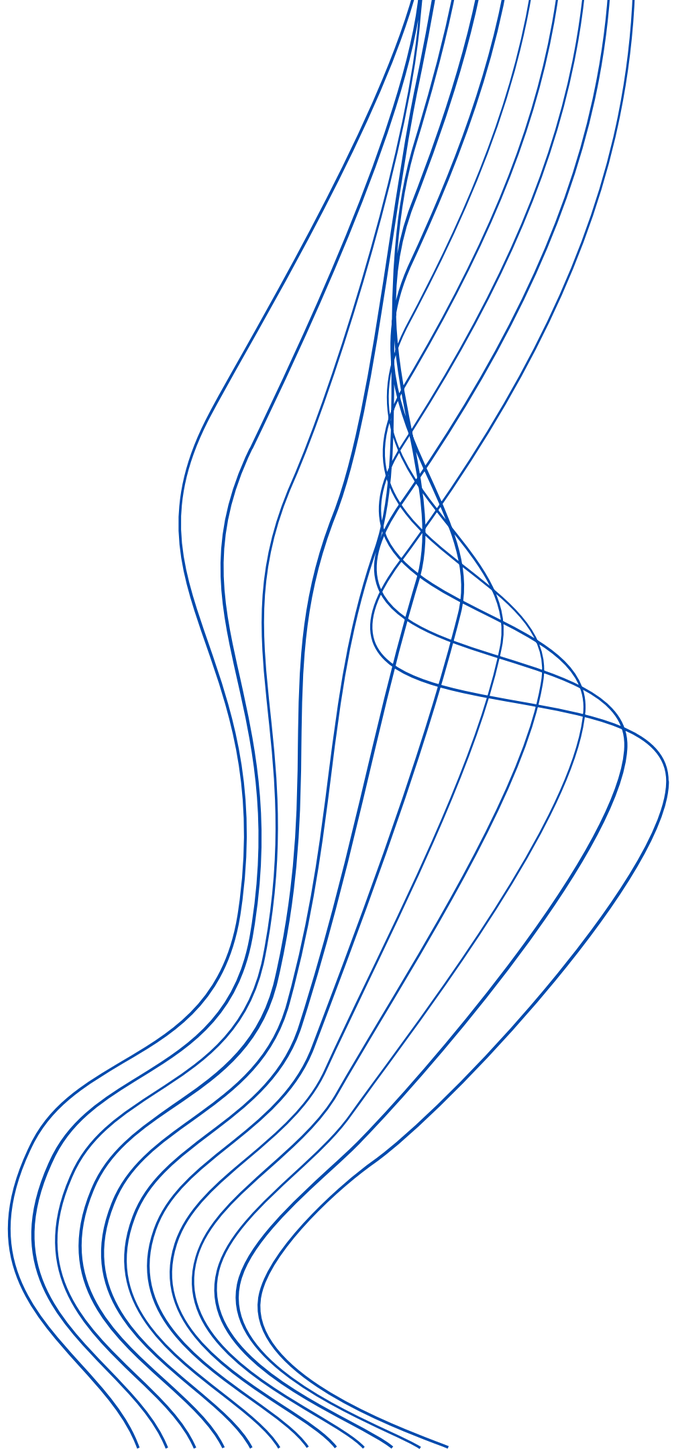
CYBERSECURITY 1

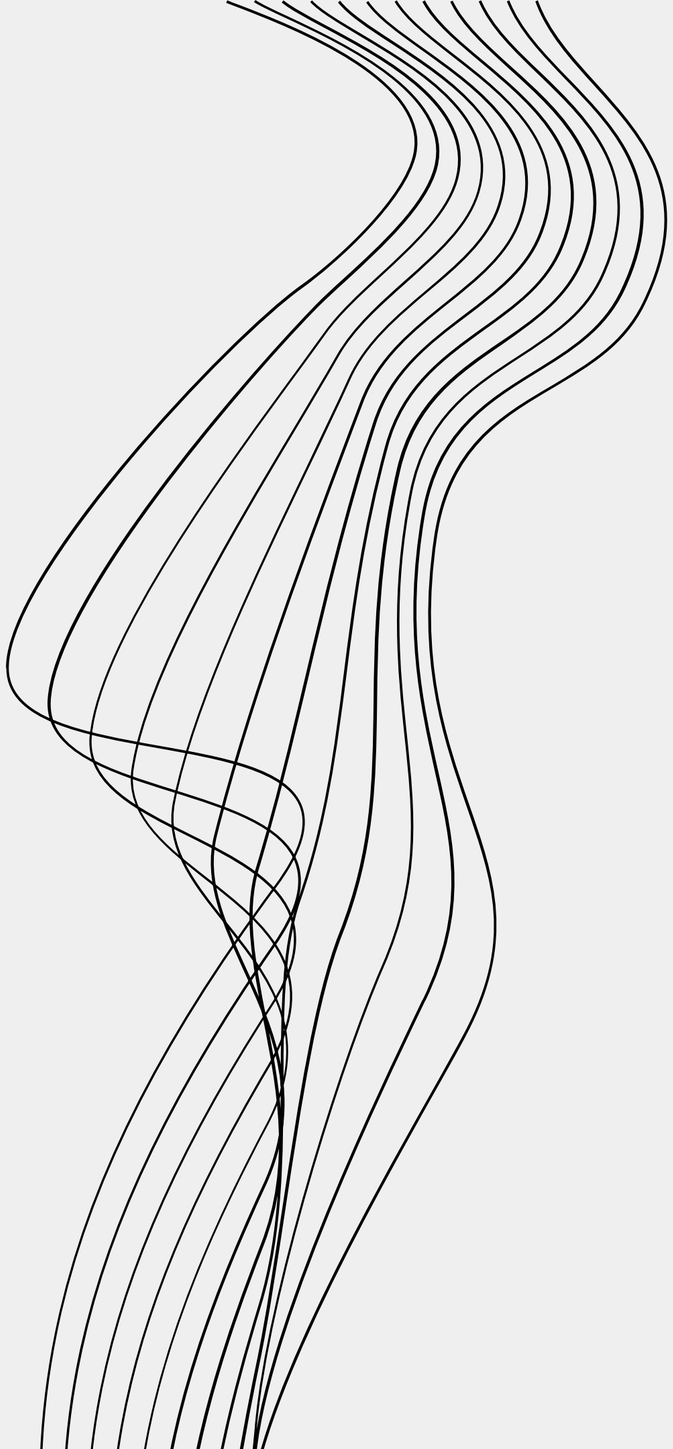
SECURITY CONTROL AND FRAMEWORK TYPES

Module Flow

01 VARIOUS TYPES OF CONTROL

02 FRAMEWORK TYPES





VARIOUS TYPES OF SECURITY CONTROLS

SECURITY CONTROLS AND FRAMEWORK TYPES

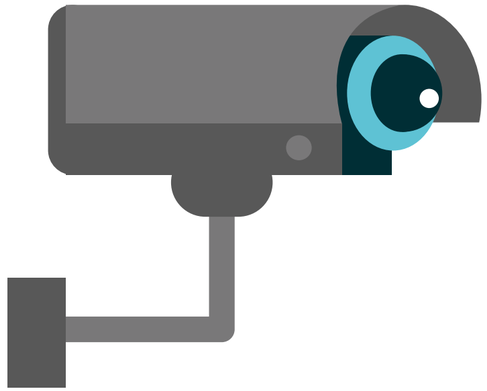
VARIOUS TYPES OF CONTROLS

PREVENTIVE CONTROLS

It prevents any security breach from occurring. Aimed at preventing an incident from occurring.

Security Guards

Biometrics



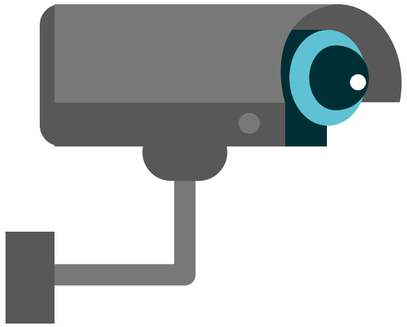
Security cameras

VARIOUS TYPES OF CONTROLS

DETECTIVE CONTROLS

attempt to detect any break-in that has already happened. Aimed at detecting incidents after they have occurred.

Security audit



Video surveillance system

Motion detection system

VARIOUS TYPES OF CONTROLS

CORRECTIVE CONTROLS

attempt to reverse the impact of an incident or problem after it has occurred. Aimed at reversing the impact of an incident.

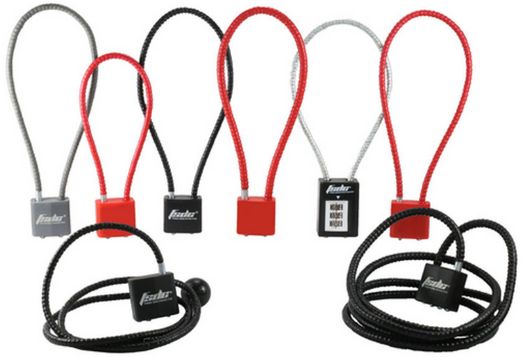
Intrusion detection system

Backups and system recovery

VARIOUS TYPES OF CONTROLS

DETERRENT CONTROLS

attempt to prevent incidents by discouraging threats. Aimed at discouraging individuals from causing an incident.



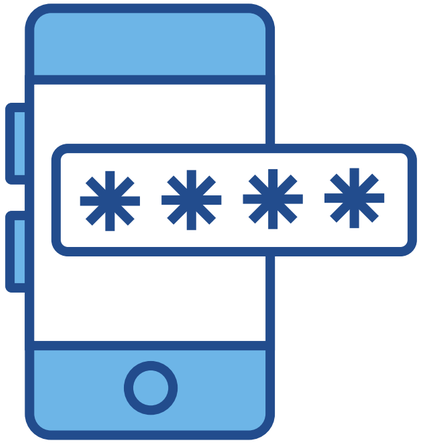
cable locks

hardware locks

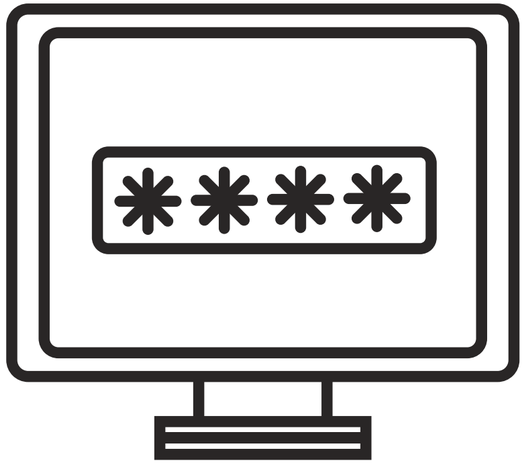
VARIOUS TYPES OF CONTROLS

COMPENSATING CONTROLS

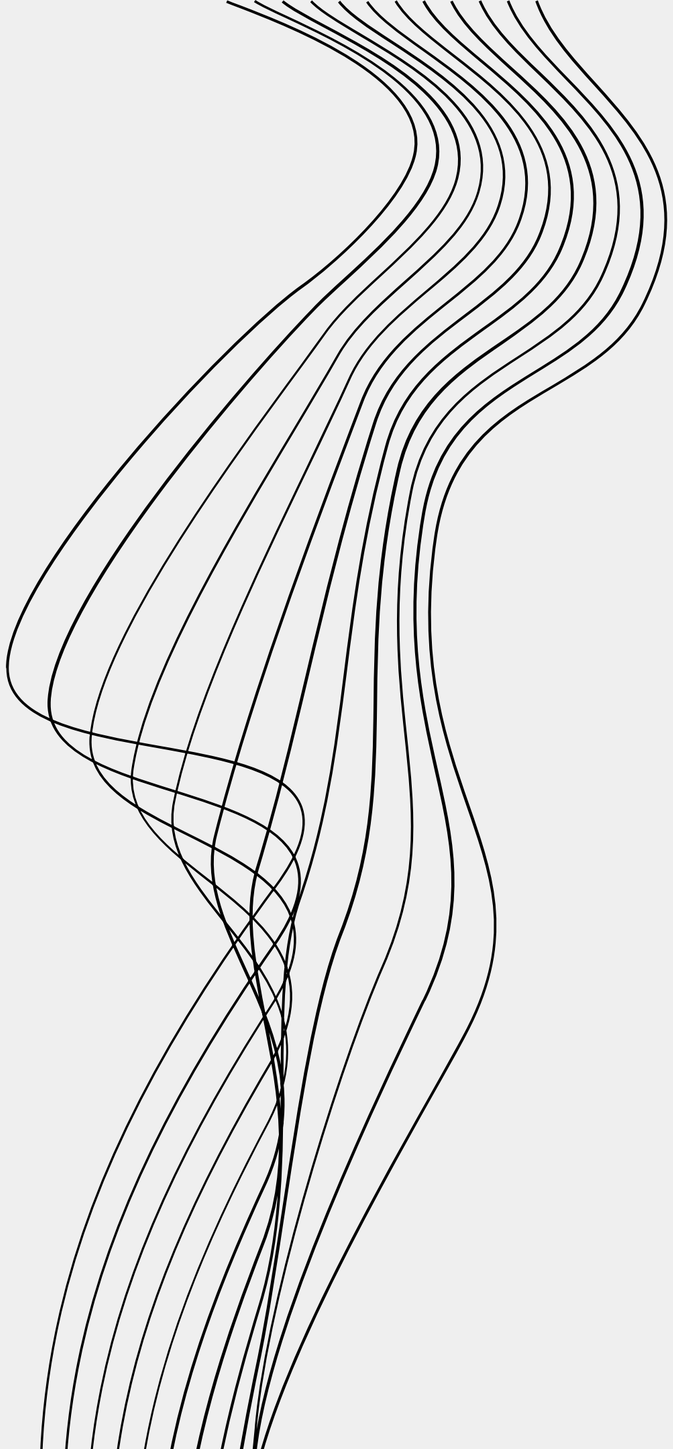
These are alternative controls used when a primary control is not feasible.



Time-based One Time Password



PIN Number



CYBERSECURITY FRAMEWORK TYPES

SECURITY CONTROLS AND FRAMEWORK TYPES

CYBERSECURITY FRAMEWORK TYPES

- NIST Cybersecurity Framework
- A cybersecurity framework established by the National Institute of Standards and Technology is the most widely used by American companies.
- It offers reassurance of having been developed by U.S. federal government in collaboration with private businesses.

CYBERSECURITY FRAMEWORK TYPES

- It offers detailed guidance on everything from risk assessment and continuous monitoring to incidence response and awareness training.
- Considered as the gold standard of CSFs,

CYBERSECURITY FRAMEWORK TYPES

- ISO is designed to provide a framework for achieving a certified level of data security compliance that meets external assessment standards.
- ISO is built upon an international basis, developed by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).

CYBERSECURITY FRAMEWORK TYPES

- designed to ensure a level of data privacy and confidentiality that not only helps companies avoid prosecution but also to maximize operational efficiencies through reduction of vulnerability to disruptive attacks.

CYBERSECURITY FRAMEWORK TYPES

- Critical Security Controls framework developed by the SANS Institute.
- Offers an expert-level understanding of cybersecurity, and is acclaimed for breaking down those insights into three manageable and actionable categories.
- provides a straightforward framework of defense mechanisms to ensure that authorized personnel are accessing appropriate data and assets.

CYBERSECURITY FRAMEWORK TYPES

- Control Objectives for Information Related Technology (COBIT).
- designed to guarantee the integrity of an organization's data infrastructure from an operational perspective.
- offers a tool for managers to assess risks and eliminate weak spots from a big-picture perspective.
- Provides a means for ensuring data security while avoiding the wasted resources that come duplication efforts.