

Section B:

1. Security Mechanisms.

In data protection multiple security mechanism ~~can~~ be implemented.

The term security mechanism ~~cover~~ all the measures applied within an organisation to ensure data protection and the alignment with compliance and best security practices and behaviours.

This can be achieved through the implementation of multiple practices:

- Access Controls, allow to define who can access different levels of security data protection by defining when, how and why a particular set of data can be accessed in particular circumstances.
- The use of firewalls allow to set the rules and constraints to data transmission and traffic either within an organisation or to external networks. These rules are defined in sets of inbound and outbound rules that allow to implement permissions to access defined ports by defined IPs using different protocols.
- IDS are used to monitor, watch and evaluate non desired access to the organisations network and preventing it from cyberattacks. It is applied through different detection systems, as can be the monitoring of traffic and request, the attempts of log in or failed attempts of data decryption.