

Introduction

Cybersecurity is known as the practice of protecting systems, networks, and programs from cyber attacks. For organizations, governments, and individuals, protecting data from cyber attacks is the top priority for them. I chose to study cybersecurity within the legal framework. As cybersecurity rapidly grows, so do cyber attacks. Legal frameworks play a crucial role in forming organizations, governments, and individuals to protect important data and act on cyber incidents. Some examples of frameworks that different organizations use in the US and globally are the NIST framework, Basel iii Accord, European Union Cybersecurity Act, Family Educational Rights and Privacy Act(FERPA), Federal Information Security Management Act (FISMA) and more(Schreider 2020, p 160-68). By embracing these frameworks and guidelines, a company will not only be able to follow the legal components but also implement prevention tactics against cyber attacks.

Key Legal Frameworks and Policies

Cybersecurity framework is known as a set of policies and regulations for organizations to adopt to identify, detect and respond to cyberattacks (Syafrizal et al 2020, p. 4). Cyber security frameworks touch on how to reduce the likelihood of getting attacked after suffering from an attack.

The NIST Framework is a set of guidelines, policies, and recommendations of the best ways to help organizations increase their cyber security measures (Syafrizal et al 2020, p. 4). The NIST Framework has three main components which are core framework, the implementation of the framework ,and the profile of the framework. The core framework contains seven parts which identify, protect, detect, respond, and recover. Implementation: the framework has a 0-4

scale which allows them to scale to level of risk maturity (Alshar'e 2023,p 6). The profile allows the organization to evaluate their risk tolerance levels (Alshar'e 2023,p 6).

The Federal Information Security Management Act of 2002, which is also known as FISMA, is known to provide security guidelines around US governments(Schreider 2020, p 168). The objective for FISMA is to make sure there are protected guidelines and reduce the risks of attacks for federal government agencies and private sectors that work for the government.

The Family Educational Rights and Privacy Act of 1974, also known as FERPA and the Buckley Amendment in the US. This act protects disclosure of student educational records. FERPA applies to any school or program that is being funded by the US Education Department (Schreider 2020, p. 167). The parents of the students have the right to access the information of their child(the student) under FERPA.

Basel iii Accord is a global framework that is used for “bank capital adequacy, stress testing, and market liquidity risk”. The framework is used in 27 different countries like Canada, Australia, China, India, France and more (Schreider 2020, p. 160).

Conclusion

Cybersecurity is constantly evolving which is also increasing the number of cyberattacks. AS cyber threats continue to grow, these cyber security frameworks are there to help us legally and technically. Organizations, governments, and individuals implementing these frameworks in their strategies will give them tools and ways to help prevent and reduce attacks. Allowing them to

identify, detect and respond with a reasonable pace. Which will create a more safe digital environment for everyone.

References

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