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The security of digital information and ways to protect it in light of the current legislation

ABSTRACT

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The development of technology in the field of communication and information technology play an important part in the spread of information via the internet. Attacks and risks are vulnerable to this environment where users are a warned against these risks to protect and save their information. For many reasons, many countries have established legislation that protects information security as well as many organizations set international standards to serve as the best guide for information security protection such as ISO.

The present study investigates digital information security with all its shapes and types and establishes legislation to protect users against all risks such as organizational, financial, and technical measures in addition to legislative measures on the local and international level and the most important established international standards by ISO to control information security practices.

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The study found several findings, the most important of which is that Information Security is exposed to many of the risks and threats that occur in the Internet environment with the difficulty of keeping pace with security measures against the speed of development of modern methods and techniques used in these attacks. Indeed, weak existing legislations on the local and international level and adequacy of existing legislation do not limit information security attacks.