

Bellevue University

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How do cryptography laws and regulations change the field of cryptography?

The United States has eased its restrictions on cryptography while other countries have increased theirs. Companies' old belief was that they could keep their data extra encrypted while not disclosing their algorithms, but the opposite became true. These days, many security professionals agree that keeping the algorithms secret is incorrect and does more harm than good when it comes to the security of their encryption algorithm.

How is cryptography used in the laws and regulations created around it? In Canada, with regard to cryptography, they follow their constitution that everyone has the right to be secure against any unreasonable search or seizure. Canada understands that restricting encryption would go against this right. Canada and the United States are okay with the use of encryption and cryptography; however, some countries, like China, are against encryption and cryptography. China has a range of restrictions on the use, import, export, and manufacturing of encryption. This affects the ability of citizens to use encryption as well as technical firms.

Who do cryptography laws and regulations affect? Cryptography laws and regulations affect citizens, businesses, industry, and national security. Companies use encryption to perform credit card transactions and money transfers. Businesses need to send information securely and effectively between different nations. I take it for granted that my data will be secure when using my credit card for purchases online.

Do cryptography rules and regulations solve problems or create more? These laws and regulations of encryption and cryptography create many problems. Some

problems created are export control, import control, patent issues, and search and seizure. Export control laws make exporting cryptography methods to other countries or businesses illegal. The import control laws are used to discourage the obtaining of importation of cryptography from other nations. The patent issues are also used to prevent the importation of cryptography from other countries. Search and seizure is used for investigators to decrypt data files of a person in a case against that person.

Sources:

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