

Conceptual dimensions of cyber security

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ABSTRACT

Cybersecurity is a driving force for regional economic development and must take place simultaneously with ICT infrastructure. The benefits of implementing technology of information services are dependent on the development and accompanying the ICT infrastructure, sufficient measures of security and a legal framework of regulations. Cybersecurity, in a broad sense, including the legal framework, is essential for attracting the economic actors to develop a favorable business environment. The global information society and economy based on knowledge are limited by the development and general acceptance of an international cyberspace framework. The validity of such a framework or model requires a multidimensional approach to cyber challenge - from individuals to organizations and states. Each actor that has to do with information and communication device, tool or service, for professional or private issues, needs information security. This is valid also for the government institutions as well as for larger and smaller organizations and natural persons. The security answer should satisfy a special protection and the requirements of the defense levels, regarding the specific need of the actor. End user perspective and the reason for security should not be forgotten as well as the special needs of the private life and protection of the fundamental human rights.

Contents

1.Introductory aspects.....	17
2.Legislative dimension.....	18
3.Management aspects	18
4.Technological dimension of security.....	19
5.Social dimension.....	19
6.Conclusions.....	20
7.Reference text and citations.....	20

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