

MODERN TECHNOLOGIES OF USER INFORMATION SECURITY AND ITS PROSPECTS IN UZBEKISTAN

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Annotation

This article presents one of the most important issues facing the information society, the analysis of modern technologies for the protection of user information and the work being done in our country in this regard.

Keywords: user information, cyber security, cybercrime, information technology

The introduction of modern information and communication systems in public administration is an important condition for the effective implementation of socio-economic and socio-political reforms and changes in our country. continues to evolve with new technologies that are available. Attacks on critical infrastructure such as health, water systems and power grids are becoming more common. On a smaller scale, attacks on payment networks and malware on corporate networks have increased, raising the issue of cyber security and user data protection. Man creates technology and he is the one who can achieve the best from this technology. Thus, no cybersecurity mechanism is reliable and can never be. Constantly identifying and adopting new technologies to strengthen cybersecurity is a wise choice.

Examples of modern technologies for preventing cyber attacks and ensuring the security of user information are:

Use of artificial intelligence technologies;

Development of restrictions on the use and distribution of user information (for example, in social networks such as telegram, Facebook);

Authentication of installed hardware and software products;

Use of Blockchain Cybersecurity technology;

Using the zero confidence model and so on

Many measures are being taken in our country to ensure information security, in particular, the Center for Information Security and Public Order under the Ministry of Information Technologies and Communications of the Republic of Uzbekistan has been established and has the following tasks¹:

An effective organizational and technical framework for the collection, analysis and collection of information on current threats to information security, prevention of unauthorized access to information systems, resources and databases of government agencies and organizations; development of recommendations and proposals for the rapid adoption of software and hardware solutions;

Analysis of methods and tools used in the implementation of unauthorized or infringing actions in the information space, cooperation with operators and providers of telecommunications networks, law enforcement agencies in identification;

attestation, examination and certification of hardware and software, information and communication technologies, telecommunications equipment and other technical means at informatization facilities (except for state secrets);

Assistance in the development and implementation of information security policy of information systems and resources of government agencies and organizations;

Development of proposals to improve the regulatory framework in the field of information security of government information systems and resources, as well as the national segment of the Internet;

¹ Regulations on the State Inspectorate for Supervision of Informatization and Telecommunications of the Republic of Uzbekistan

Timely informing national Internet users about emerging information security threats in the national segment of the Internet, as well as providing information security consulting services.

References

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