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CYBER SECURITY OF THE COUNTRY IS A MODERN CHALLENGE

Recently, the number of problems facing the world has been increasing. While they are associated with globalization, increasing diversity, interdependence of the modern world, many social processes and phenomena. The development of computer and telecommunication technologies, including Internet technologies, on the one hand, provides mankind with extraordinary opportunities for their use, and on the other hand, it carries extraordinary threats. At present, any activity of society is inextricably linked with information and information technologies. Therefore, the need for digital transformation in our country is quite clearly understood at the state level.

Along with the development of cyberspace, the number of crimes in this area with the use of information and communication technologies, software, software and hardware, other technical and technological means and equipment is growing rapidly. The implementation of these threats can cause significant damage both at the micro and macro levels within sovereign states, as well as on a global scale. This led to an understanding of the need to solve the problem of neutralizing or minimizing this new set of threats.

The scale and transboundary nature of information threats both for the common man and for the country as a whole require the formation of an appropriate protection system. Cyber security tools in the state must be constantly modernized, transform their approaches and mechanisms for countering information dangers, adapting to new challenges of the global information space.

The correlation ties of civil society are growing in the context of the growth of the level of interactivity of the latter based on information and communication technologies that allow collecting, processing and transmitting information at the local, national and international levels.

Technical and technological progress has created conditions for the formation and development of a new formation using standard and designing new cryptographic algorithms for protecting information in computer systems and networks, implementing an information security system in communication systems. The dynamic development and introduction of new information and communication technologies has provoked significant social and digital transformations.

Recently, any activity of society is inextricably linked with information and information technology. Therefore, the issues of information security, the security of operating systems and databases, anti-virus protection, the security of Web services and Cloud systems, the use of modern artificial intelligence technologies, the security of network communications based on the application of modern principles, methods and methods of the theory of secure systems require both constant monitoring, and modern ways of their improvement and modernization.

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GRAPH REPRESENTATION OF WEBSITE STRUCTURE: MODEL AND ALGORITHM

This article examines the fundamental principles of building web sites and structural construction of web pages. The task is to develop ways to represent the site for subsequent manipulation with it as an object of a certain type and to introduce a list of possible operations for working with such an object. To solve this problem, the fundamental principles of structural construction of websites and some possible models for the effective representation of their structure are considered.