



## FACTORS AND SPECIFIC ASPECTS OF PROVIDING NATIONAL SECURITY IN THE FIELD OF INFORMATION

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### Abstract

This article describes concepts such as information security, information security, the importance of information security, areas and types of information protection. The modern foundations of national security in the field of information are interpreted.

**Keywords:** information, information security, directions of information protection, types of information protection, methods of spiritual and educational protection of information.

It is a fact that information, communication and computer technologies have penetrated into all aspects of our life today. Information, telecommunications and computer technologies form the basis of these changes. The 21st century is the age of information society. "Information is an important factor of socio-economic and cultural development. For this reason, it has become a powerful tool that affects human thinking in different directions, turns the life and destiny of mankind in one direction or another, sometimes acquires a positive, sometimes negative essence."

The importance of information has been known since ancient times. That is why different methods were used to protect information in ancient times. One of them is a mysterious inscription. The message in it could not be read by anyone other than the owner of the address to which the message was sent. For centuries, this art - mysterious writing did not go beyond the upper classes of society, the residences of state embassies and intelligence missions. Only a few decades ago, everything changed radically, that is, information gained its value and became a widely distributed commodity. It is now produced, stored, transferred, sold and bought. In addition, they steal, distort and falsify it. Thus, there is a need to protect information. The emergence of the information processing industry leads to the emergence of the information protection industry. In automated information systems, information has its own life cycle. This period consists of creating it, using it and losing it when it is





not needed. The following factors show the relevance of this topic: - the fact that the ideological threat is a serious threat to the development of society; - globalization processes and spiritual and informational threats are one of the big problems of today; - information security is becoming the most important area of national security; - importance of information protection; - moral threat is a threat to our identity and future; - analysis of the factors of immunity formation against spiritual threats; - formation of the culture of obtaining information in the fight against various spiritual and informational threats in our society, etc.

In the speeches and writings of the first President of the Republic of Uzbekistan, Islam Karimov, and the current President of the Republic of Uzbekistan, Shavkat Mirziyoyev, moral threats, the need to fight against them, the tasks and national security issues in information security, the formation of information culture among young people, and the freedom to receive information The issues of ensuring information security have been extensively analyzed. Subjective factors and specific aspects of ensuring national security in the field of information are S. Otamurtov's "Globalization and national-spiritual security"<sup>2</sup>, Sh. Umarov and F. Mulyadinov's "Information security", M. Kuronov's "National education", M. Lafasov's "Religious extremism: history and essence", H. Jumaniyozov, S. Otamurotov. Globalization and national-spiritual security, M. Sobirov's "Basics of globalization", M. Karimov and N. Turgunov's "Basics of information security" " is explained in his works. In today's rapidly developing world, none of us humans can imagine our daily life without information and information sharing tools. In the process of obtaining information, we widely use the Internet, social networks, newspapers, magazines, and books. Often, we are not interested in whether the information we receive is true, accurate, true, who is the author, which organization or publication, and what kind of information it is. None of us think about the fact that we do not have the culture of obtaining information and that it leads us to make serious mistakes. However, not everyone understands how information can be lost and what the consequences are. "You can tell what kind of loss or consequence!" that Now I will give you an example of some events that happened in the world of information. For example, 200,000 people and many organizations in 150 countries were affected by hacker attacks. The head of the European Police Agency (Europol) Rob Wainwright informed about this, "RBK" reports. At the same time, he said, very few people have transferred money to the hackers. "Organizations in all sectors need to take security measures seriously," said Wainwright. "At the moment, we are in a situation where the danger is growing. The number of victims is increasing. I am worried that their number will increase even more when people come to work on May 15 (Monday) and turn on their computers,"





the head of Europol added. Hackers have caused massive damage to companies like Yahoo.com, Amazon.com, and even NASA, the space exploration agency. RSA Security, one of the biggest players in the security services market, has come under attack just days after it made a reckless statement that it had measures in place against any threat. We can also say that "The issue of ensuring the rights and freedoms of citizens in the field of information includes the right and freedom of a person to receive information, to spread information and his personal opinion, and this is an important condition for establishing the foundations of a democratic society in Uzbekistan." , so to speak, it is the foundation stone" - said our first president I. Karimov. Information<sup>3</sup> is a collection of information about persons, objects, facts, events, events and processes, regardless of their sources and form of presentation. As a result of the increasing role of information resources and technologies in the development of individuals, society and the state in the 21st century, the following factors determine the leading position of information security in the national security system, along with solving the issue of building civil society as an information society in Uzbekistan:

- national interests, their aggression and their protection from these aggressions are expressed and implemented through the information and information sphere;
- a person and his rights, information and information systems and their ownership are not only the main objects of information security, but also the main elements of all security objects in the field of security;
- it is possible to solve national security issues by using the information approach as the main scientific and practical method;
- the national security problem has a clearly distinct information description. Information security means the protection of information and the infrastructure supporting it from accidental or intentional effects of a natural or artificial nature. Such impacts can seriously harm information relationships, including information owners, information users, and the infrastructure that supports information protection.

The information security system closely connects the state policy in the information field with the state policy of ensuring national security in the country.

In this case, the information security system unites the main organizers of state policy into a single whole. This determines the role of information security and its position in the country's national security system. The integrity of the goals that reflect the national interests of Uzbekistan in the field of information, the strategic directions of their achievement and the systems of their implementation means the state information policy. At the same time, the state information policy is the main





organizer of the country's foreign and domestic policy, and covers all aspects of society. Types of information protection are classified according to two main characteristics: - first, information privacy, more precisely, according to the type of protected secrets; - secondly, on groups of forces, tools and methods used for information protection.

The following main areas can be included in the first group: - protection of state secrets; - protection of interstate confidential information; - protection of business secrets; - protection of service secrets; - protection of professional secrets and protection of private information.

The second group includes the following main areas: - legal protection of information; - organizational protection of information; - engineering and technical protection of information; - spiritual and educational protection of information. The practice of using information protection systems shows that only complex information protection systems can be effective. It includes the following measures: 1. Use of legal acts that strictly define the rights and obligations of legal entities and individuals, as well as the state in the field of information protection. 2. To create and support an environment in which violations of strictly defined rules of behavior in the moral-ethical-object are strongly negatively evaluated by the majority of employees. 3. Creation of physical barriers prohibiting unauthorized access to physically protected information. 4. Organization of administrative-appropriate confidentiality regime, access and internal regimes. 5. Use of electronic and other equipment for the protection of technical information. 6. Implementation of encryption and coding that prevents illegal access to cryptographically processed and transmitted information. 7. Use software tools to limit software usability. All information carriers, including physical, hardware, software and documentary means, are treated as a comprehensive protection object. The method of spiritual and educational protection of information plays a very important role in the protection of information. It is a person, he is an employee of an enterprise or organization, who is aware of confidential information, accumulates a lot of information in his memory, and in some cases can become a source of information leakage, and because of his fault, others have illegal access to this information. will have. The method of information protection implies the following: - educating the employee, carrying out special work aimed at forming certain qualities and views with him (explaining how important patriotism and information protection are for him personally); - training the employee in the rules and methods of information protection, forming practical skills for working with confidential information carriers. In the article, information security is considered one of the current issues, information and its types, information security, directions





of national security, security issues in the information sector of our country were fully covered. And it can be mentioned here that the importance of information, its role in society and our daily life, information security, threats to information security and its types, and the importance of information security today are highlighted.

Nowadays, it is impossible to imagine our life without information technologies and computers. Currently, the concept of "information" is often used as a special trademark that can be bought, sold, and exchanged for another product. At the same time, the price of information in many cases exceeds the price of the computer system in which it is located by several hundred and thousand times. Therefore, there is a strong need to protect information from unauthorized access, intentional change, theft, loss, and other criminal acts. Information security in computer systems and networks is understood as the use of various tools and methods, taking measures and implementation of activities in order to systematically ensure the reliability of the information provided, stored and processed. Currently, national information resources are one of the factors that shape the economic and military potential of any country. Effective use of this resource ensures the security of the country and the successful formation of a democratic information society. In such a society, the speed of information exchange increases, the use of advanced information and communication technologies for collecting, storing, processing and using information expands. Various types of information entered our daily life through the Internet international computer network, regardless of geographical location. Information society is rapidly forming through this computer network. The concept of state borders is disappearing when traveling to the world of information. The global computer network is fundamentally changing state management, that is, the state is no longer able to control the mechanism of information dissemination. That is why problems such as illegal access to existing information, their use and loss have become urgent. All this leads to a decrease in the level of information security of the individual, society and the state. The problem of ensuring the state's information security is the main and integral part of ensuring national security, and information protection is becoming one of the primary issues of the state.

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