INFORMATION SECURITY.

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Abstract. *This article talks about information security and the importance of ensuring it today.*

Key words. *Information security, information technology, cybernetics, protection, development, mission.*

The importance of information in the life of any developed society is continuously increasing. From a long time ago, the information of military and strategic importance of the state was strictly kept secret and protected. Currently, information related to production technologies and sales of products has the form of a commodity, and the demand for it in the domestic and foreign markets is increasing. Information technologies are constantly improving in the areas of automation and information protection. The development of modern information technologies is observed together with negative events such as industrial espionage, computer crime, unauthorized access, alteration, and loss of confidential information. Therefore, information protection is an important state task in any country. The need to protect information in Uzbekistan is reflected in the creation of the state system of information protection and the development of the legal basis of information security. "On Disclosure", "On Preservation of State Secrets", "On Legal Protection of Computer Programs and Databases" and other laws and a number of government decisions were adopted and implemented.

The creation of Internet technologies has increased the possibilities of obtaining information from various sources quickly and easily for everyone - from ordinary citizens to large organizations. State institutions, scientific and educational institutions, commercial enterprises and individuals began to create and store information in electronic form. The possibilities of effective use of information led to a rapid increase in the amount of information. Businesses today consider information to be their most valuable asset in many commercial areas. This is definitely a very positive development when it comes to public information and public information. But Internet technologies for secret information flows have created new problems as well as conveniences. The threat to information security in the Internet environment has increased dramatically.

Information security refers to the protection of information on any carriers from accidental and intentional effects of natural or artificial nature aimed at loss and change of information. In the past, the danger consisted only of stealing or copying confidential (secret) messages and documents, while the current danger is the use of computer data sets, electronic data, electronic arrays without asking permission from their owner. In addition to these, the desire to obtain material benefits from these activities has also developed.

It is a fact that information threats are constantly being faced all over the world today. All organizations, even today, as a result of the spread of information through the Internet, organizations and banks lose billions of dollars every year. Therefore, today there is a threat to the owner of information. There are three types of threats.

1. The threat of breach of confidentiality means that the information becomes known to those who do not have permission for it. This situation occurs when confidential information is being transferred to or from one system to another by gaining illegal access.

2. The threat of breach of integrity includes any intentional alteration of information in a computer system or during transmission from one system to another. When criminals intentionally change information, this means that the integrity of the information has been compromised. Also, information integrity is violated when illegal changes are made to information due to accidental errors of software and hardware. Information integrity is the existence of information in an intact state.

3. The threat of derailment of services occurs as a result of blocking the availability of computer system resources as a result of deliberate actions by other users or criminals. Information availability is a feature of a system that is ready for automated services that circulates information, provides subjects with timely access to information of interest to them without resistance, and responds to subjects' requests when addressed at any time.

Information protection should ensure the prevention of damage caused by voluntary loss of information (theft, tampering, forgery). It is necessary to organize information protection measures based on the current laws and regulations on information security and in the interests of information users. In order to guarantee a high level of information protection, it is necessary to regularly solve complex scientific and technical tasks and improve protection tools.

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 reflecting 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.

Rapidly developing information and communication technologies are bringing significant changes to all aspects of our daily life. 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 is in many cases several hundreds and thousands of times the price of the computer system in which it is located. is increasing. Therefore, there is a strong need to protect information from unauthorized access, intentional change, theft, loss, and other criminal activities. However, society's desire for a high level of automation makes it dependent on the level of security of the information technologies used. The importance of information has been known since ancient times. That's why different methods were used to protect information in ancient times. One of them is a mysterious inscription. No person other than the owner of the address to which the message was sent had the opportunity to read the message in it. For centuries, this art - mysterious writing did not go beyond the upper classes of society, state embassies and intelligence commissions. Only a few decades ago, everything changed radically, that is, information gained its value and became a widely distributed commodity. It is now developed, stored, transmitted, sold and bought. In addition, they steal, distort and falsify it. Thus, there is a need to protect information.

The purpose of organizing any information computing systems is to simultaneously provide users with reliable information and maintain their confidentiality. In this case, the task of providing information must be solved on the basis of protection from external and internal unauthorized influences. Information leakage is considered as an uncontrolled or illegal exit of confidential information from the organization or persons entrusted with this information.

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