

## INFORMATION SECURITY ANALYSIS IN MULTIMEDIA COMMUNICATION NETWORKS

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**Annotation:** The process of global information globalization requires not only the introduction of information and communication technologies in the economy and other sectors of the country, but also the security of information systems. The following article looks into the measures taken for information security.

**Key words:** Information, Data, Security, Network, Database, Software, Virus.

Uzbekistan is one of the first countries in Central Asia to join the international security system in the field of information and communication technologies. The State Committee for Communications, Information and Telecommunication Technologies will take the following measures to ensure information security:

Carrying out the state policy on improvement and development of information security in data transmission, telecommunication networks, TV and radio broadcasting and information systems;

Organize and participate in the development of legislation and regulations on information security;

Ensuring information security of information systems complexes, resources and databases;

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

To submit to the State Committee of the Republic of Uzbekistan for Communications, Information and Telecommunication Technologies in accordance with the established procedure statistical data on the results of monitoring of information security of state information systems and resources;

Cooperation with operators and providers of telecommunications networks, organization and coordination of joint work of government agencies on the prevention of violations in the use of computers and information technology;

Timely informing national Internet users about threats to information security in the national segment of the Internet, as well as the provision of information security consulting services;

cooperate with law enforcement agencies in the analysis, identification of offenders, analysis of methods and tools used in the implementation of unauthorized or infringing acts in the information space;

Develop international cooperation in the field of information security in order to organize practical work on the prevention of information security incidents in the national segment of the Internet. Despite the proliferation of cyber-threats and malicious software, criminals often pursue almost identical goals and objectives. These include the ability of network nodes and information resources to work, attacks that disrupt information in the system, as well as various network attacks aimed at gaining administrative privileges, and “denial of service” to national information resources and individual hosts. »Attacks (DoS and DdoS-attacks). Hackers are often willing to create and distribute computer viruses and malware in order to stand out from the crowd.

The information environment has become a favorable area for the development of new forms of marketing research based on the targeted distribution of unsolicited e-mails. Malicious individuals are introducing malware that violates the protection of the information system and disrupts its operation. Users who visit the site often do not think that they are in danger. After all, a well-decorated and properly replenished resource, while seemingly insignificant, can-do great harm.

The level of protection of a computer user's system and equipment also depends on his or her knowledge of information technology, protection of his or her data, and ability to maintain the performance of the computer. Specialized protection programs - antiviruses - remain the most modern and reliable means of

protecting your personal computer. For a user who only knows how to open a browser to access social networks and other Internet resources, the most important task of antivirus is to ensure maximum security.

At the same time, the development of information and communication technologies in cyber security, in particular, the provision of global network services for data transmission, the creation of access to international information resources and the establishment of Internet cafes is also important.

According to the administrators of some Internet cafes in the capital, information security is one of the most important tasks. It is best to use the latest antivirus software, whose signatures are updated daily. It is also important to use licensed software.

The rapid development of mobile communication systems, the integration of the latest technologies into modern mobile devices is leading to an increase in malware created for mobile phones. In many cases, it is very difficult for phone users to determine if their phone is infected with malware. As a precaution, you should check your installed apps frequently and remove unfamiliar apps. Rapid loss of battery power, rapid increase in data traffic even when the Internet is available, sending paid SMS to content services and international services, the system refuses to reinstall previously installed applications, the mobile device automatically reloading is one of the most obvious signs of damage.

Extensive provision of government agencies, banks and ministries of the country with automated information systems and software systems allows them to operate quickly and perform various operations. Therefore, the necessary measures are being taken in our country to ensure the security of all state information systems, a reliable system against cyber-threats has been created.