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The Role of Information Technology In Public Safety

A.KH. Yuldashev[1], J.T. Azimov[2]

[1,2] Academy of the Armed Forces of the Republic of Uzbekistan

Abstract

This article discusses the importance of information technology for public safety. Threats and measures for implementing the adopted legal documents and the "road map" were also analyzed. The necessity of the public informatization process and the possibility of ensuring the economic growth of the country through it are scientifically based. In addition, the analysis of the state of affairs in the field of information protection shows that a separate concept must be introduced for the full formation of public security, and this aspect is based on our research. In addition, conclusions and recommendations regarding the expansion of the role of information technologies in public safety have been developed.

Key words: public safety, information technology, road map, information protection, concept, and information technology.

INTRODUCTION

Informatization of society is an organizational, socio-economic, and scientific-technical process of creating conditions using information resources, information technologies, and information systems to meet the information needs of legal and physical entities. The process of public information necessitates the resolution of the following issues (Marakhimov and Rakhmankulova, 2001)

1. Applying computing tools to all societal sectors.
2. To instruct members of society in effective computer tool usage.
3. Ensuring full and effective use of information resources in meeting the various needs of society's members.

Informational resources play a crucial role in informing society. Since the period of the transition to the information society, its interpretation and discussion have been ongoing. This issue has been the subject of a large number of publications that reflect a variety of perspectives and ideas. The process of management decision-making entails reviewing, analyzing, and rationally employing information from a massive flow of data.

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The process of selecting information is laborious and costly. Information globalization processes require not only the introduction of information and communication technologies into the economy and other sectors of countries but also the provision of security for information systems(Abduqadirov et,al,2002).

LITERATURE ANALYSIS AND METHODOLOGY

Uzbekistan became one of the first countries in Central Asia to join the international security system in the field of information and communication technologies. In connection with the implementation of the President's Decree of the Republic of Uzbekistan "On Measures to Further Improve the Project Management System in the Field of Information and Communication Technologies" dated August 29, 2017 (PQ-3245), the tasks of strengthening measures aimed at ensuring law and order and ensuring the timely and quality implementation of the project of creating a single hardware and software complex called "Safe City" were determined. The following are the main tasks of the field (Kadirov and Ernazarov (2006)

1. collection and analysis of information on current threats to information security, operational adoption of effective organizational and software-technical solutions that ensure the prevention of illegal access to information systems, resources, and databases of state bodies, development of recommendations and proposals;
2. coordinating the efforts of state agencies and other organizations to prevent violations in the use of information and communication technologies;
3. cooperation with operators and providers of telecommunications networks and law enforcement agencies in the analysis and identification of law breakers, and methods and tools used in the implementation of unauthorized or disruptive actions in the information space;
4. certification of information objects in accordance with current legislation;
5. assistance to state agencies in the development and implementation of information systems and resource security policies;
6. improvement of the regulatory legal framework for ensuring the information security of state information systems, resources, and databases, as well as the national Internet segment;
7. timely notification of national Internet users about emerging threats to information security in the national segment of the Internet network, as well as the provision of information protection consulting services;
8. create a single hardware and software complex called "Safe City" that is integrated with the information systems of internal affairs bodies, state bodies,

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and other organizations, as well as "Electronic Government" systems, in order to fully organize the public safety and law enforcement systems

9. implementation of the concept of creating a single hardware and software complex called "Safe City" across the Republic's entire territory;
10. establishment of a centralized duty-dispatching service and data processing centers to enhance the efficacy and speed of public safety and law enforcement activities;
11. development of relevant laws and regulatory legal documents, state standards, and regulations in the field of public safety and law enforcement, utilizing new technologies in collaboration with interested ministries and agencies;
12. organization of international cooperation in the fields of prevention and maintenance of information security and public order in accordance with the established tasks. The increasing importance of knowledge and information, as reflected in the concepts of "information society," "information civilization," and "the informatization of education," largely determines the function of education in contemporary society. One of the most urgent tasks of modern education development abroad in the conditions of innovative changes in society caused by the widespread introduction of computer technologies is the implementation of global trends in the development of information and education in the information society (Ikromova,2010)

The public information process can be divided into 5 main areas:

a. comprehensive automation of labor, technological, and production process tools;
b. informatization on scientific research, design, and production processes;
c. automation of organizational and economic management;
d. informatization the public service sector;
e. informatization the process of education and personnel training.

Any science examines the world by generalizing some of its concepts and establishing connections. For instance, various methods and techniques are employed when teaching subjects. The foundation of education is theoretical knowledge and the application of acquired skills (Boltayev and Azamatov 2017). In both cases, when mastering the material, a certain level of information is brought to the mind of the students. The help of the computer system in acquiring knowledge, that is, in assimilating certain types of information, is huge. The role of computer technology in collecting, storing, processing, and using information, regardless of how it is expressed, is determined by: First of all, the use of new information technologies in teaching accelerates the learning process

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compared to the standard (traditional) system, increases the student's interest in science, and increases their creative activity. A differential approach to education facilitates repetition, consolidation, and control of acquired knowledge, making the student a subject of the educational process.

Secondly, it will be possible to use new information technologies in the educational process in the following ways (Boltaev Azamatov 2017.)

- computer lessons for teaching certain subjects;
- computer lessons, as demonstration material;
- organizing student group and frontal work;
- organizing students' scientific research;
- resolving issues concerning the proper organization of students' free time away from studying, and so on.

When interacting directly with modern computer and information technology tools, students in schools of general education will have the opportunity to use computer technologies in their practical activities in the future. Simultaneously, students' interest in new information technologies and their software will undergo a substantial shift. This allows students to acquire sufficient knowledge not only of the taught subjects, but also of computer and information technologies. As part of the extensive reforms implemented in our country, special attention is being paid to ensuring the peaceful existence of the populace and fostering a culture of law-abiding behavior and public safety. In order to increase the role of information technologies in public security, observation, induction and deduction, dynamic series, analysis and synthesis, monographic research, systematic analysis, comparison, and other methods were used during the research.

RESEARCH AND RESULTS

The analysis of the state of affairs in the field of information protection shows that a fully formed concept and structure of protection have been created, which are based on the following:

- advanced technical means of information protection developed on an industrial basis;
- the existence of organizations specializing in information security issues;
- a sufficiently clearly expressed system of views on this problem;
- sufficient practical experience, etc.

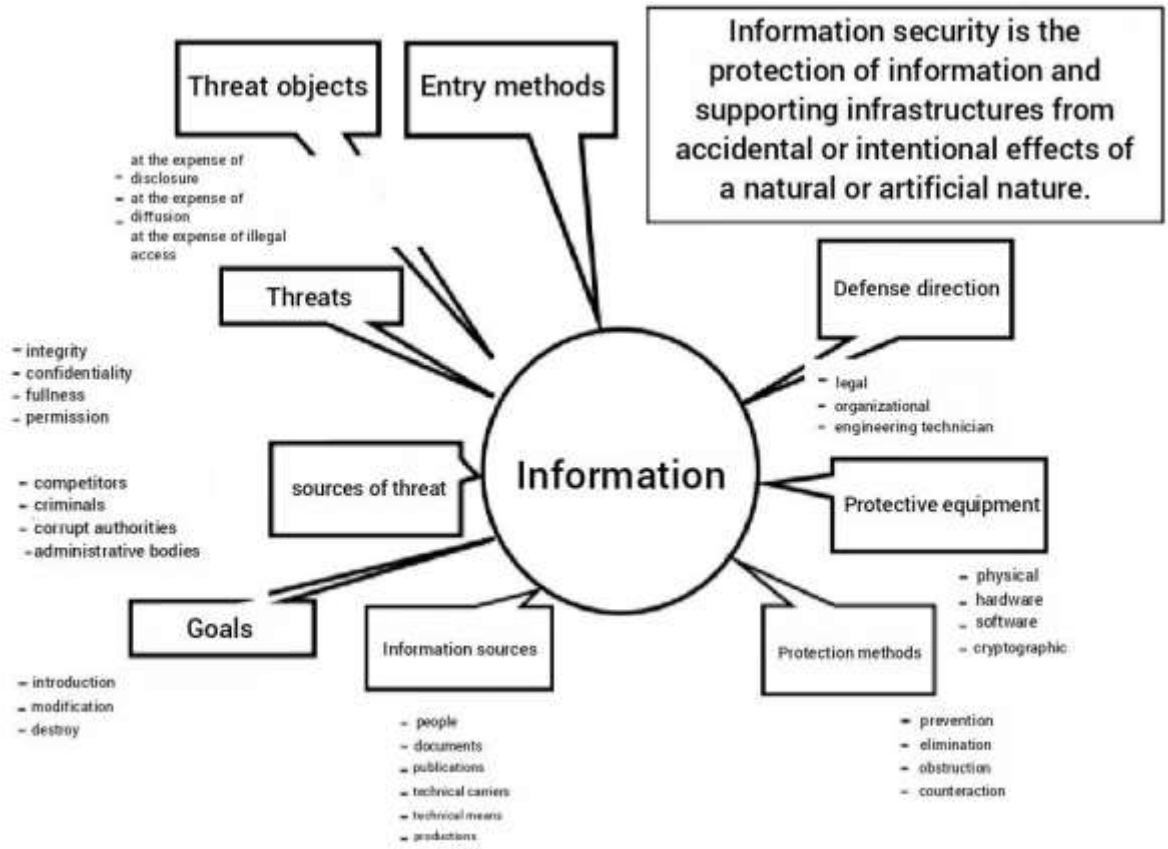
However, foreign press reports indicate that criminal actions against information are not decreasing, but are on an upward trend. In particular, completely new mechanisms and procedures for the organization of work in the direction of ensuring public safety based on the principle of "serving the people's interests" were introduced,

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and cross-purpose cooperation between state bodies and public structures was established (Picture 1) (Oktamov).



Picture 1. The role of information protection in public safety

At the same time, various dangers and conflicts that are intensifying in the world, threats to the peace and tranquility of the country, pandemics, and natural and man-made disasters impose on the responsible state structures the task of further improving their activities based on the priority idea that "all efforts are for human dignity".

In accordance with the Decree No. PQ-6196 of the President of the Republic of Uzbekistan dated March 26, 2021, "On measures to raise the activity of internal affairs bodies to a new level in terms of quality in the field of ensuring public safety and fighting crime," as well as to further develop the system of ensuring public safety in our country and the prospective directions of the state policy in this area, are defined.(Uktamov and Fayziev 2018).

It was developed on the basis of advanced foreign and national experiences in ensuring public safety and in order to guarantee the protection of the population from any threats (Uktamov 2019) Adoption of the concept of public safety in the Republic of Uzbekistan; Developing a strategy for the development of the public safety system in the Republic of Uzbekistan in 2022-2025; Approval of the "roadmap" for the implementation

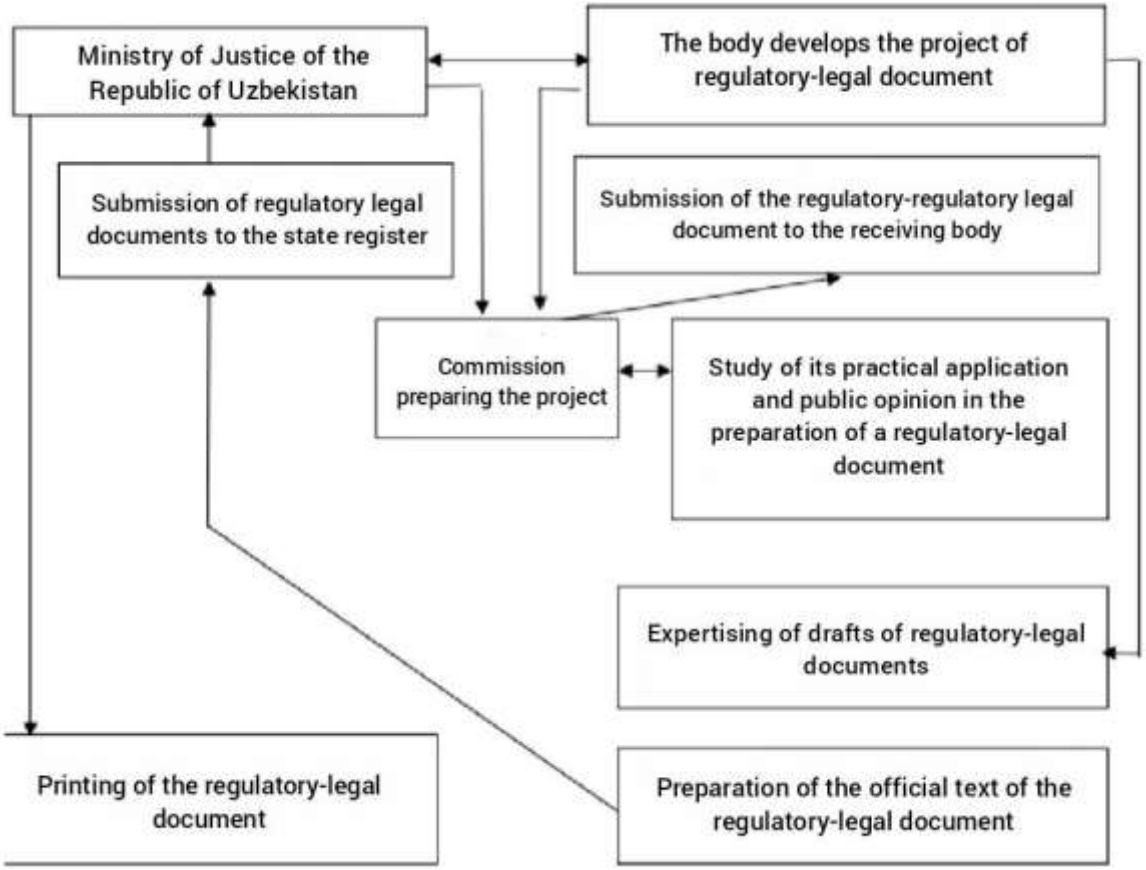
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in 2022 of the strategy for the development of the public safety system in the Republic of Uzbekistan in 2022–2025 It is appropriate to establish the following order of step-by-step implementation of the concept and strategy:

Every year in 2023-2025, the development of a program of targeted measures that provides for specific mechanisms for the implementation of an effective public safety system; The Security Council under the President of the Republic of Uzbekistan oversees the implementation of the "road map" of the heads of state bodies every six months and the implementation of targeted measures programs approved by the Cabinet of Ministers, including the implementation of these programs in the regions (Picture 2).



Picture 2. Scheme of implementation of an effective system of public safety

CONCLUSION AND RECOMMENDATIONS

In conclusion, it can be stated that the information security system closely ties the state's policy in the information field to the national security policy of the state. In this case, the information security system brings together the main organizers of state policy into a single entity. This determines the role and position of information security in the

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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 define the state information policy. One of the most important things to do is to make sure that state policy on information security can be carried out, to help the country's economic and scientific-technical development, and to come up with ways to protect information. In order to achieve a sufficient level of progress in information protection, legal, organizational, and technical measures must be implemented concurrently, according to practical experience. It is determined by the confidentiality of the protected information, the classification of the threat, and the availability of protective measures.

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