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INNOVATIVE TECHNOLOGIES IN THE FIELD OF ENSURING THE SAFETY OF CITIZENS: FROM UKRAINE TO GLOBAL ADVANCED TECHNOLOGIES

Ensuring the safety of citizens is one of the most important functions of the state, because it concerns the basic rights and needs of people. The modern world faces complex security challenges, such as the rise of crime, cyber threats, terrorism and other threats. In order to effectively face these challenges, it is necessary to improve methods and approaches to ensure the safety of citizens. One of the key components of solving this task is innovative technologies that provide new opportunities in ensuring security.

The confirmation of the importance of using artificial intelligence for the ensuring of national security is the results of research by the Science and Technology Organization of NATO, which determine the most significant of them for the development of technologies for the next two decades. Thus, according to this study, the key technologies are: Big Data, artificial intelligence, autonomous vehicles, space, hypersonic aircraft, quantum technologies, biotechnologies, new materials, etc. [1].

Currently, Ukraine has adopted four long-term programmatic documents in the field of security:

1) The strategy for ensuring state security [2], which stipulates that the main tasks of state policy in the sphere of ensuring state security are: completion of the creation, further development and

strengthening of the capacity of the national cyber security system, optimization of the coordination of its subjects in order to effectively resist cyber threats in modern security environment; creation of an effective system of information exchange between subjects of state security and implementation of effective mechanisms for access of subjects of state security to state electronic information resources and automated information and reference systems, registers, data banks (databases);

2) National Security Strategy of Ukraine [3], according to which: the main task of the development of the cyber security system is to guarantee the cyber resistance and cyber security of the national information infrastructure, in particular in the conditions of digital transformation;

3) Information security strategy [4], which provides that the main areas of ensuring information security of Ukraine are countering disinformation and information operations, primarily of the aggressor state;

4) Cybersecurity Strategy of Ukraine [5], which stipulates that ensuring cyber security is one of the priorities in the national security system of Ukraine. The rapidly changing digital world requires the formation of a more balanced and effective national cyber security system that will be able to flexibly adapt to changes in the security environment, guaranteeing the safe functioning of the national segment of cyberspace to the citizens of Ukraine, foreseeing new opportunities for digitalization of all spheres of public life;

The relevance of the topic lies in the fact that innovative technologies have great potential for increasing the effectiveness of ensuring the safety of citizens both at the local and international levels. Ukraine, as a country facing a high level of crime, must actively implement innovative approaches to strengthen its security.

One of the key problems is the lack of efficiency of the system of monitoring and responding to crimes and other security threats. Innovative technologies, such as artificial intelligence, big data analytics and others, can significantly improve the ability of law enforcement authorities to detect and combat crimes.

Another problem is the insufficient amount of resources to effectively ensure the safety of citizens. Innovative solutions that allow you to optimize costs and increase the productivity of law enforcement authorities can solve this problem.

In addition, there is the issue of cyber security and the threat of cyber terrorism. In order to prevent these threats, innovative

technologies should be directed to the development and implementation of effective cyber protection measures.

In regard to the variations of solutions to these problems and alternatives, it is important to emphasize the implementation of modern monitoring and analytics systems based on artificial intelligence and machine learning. It is also important to consider partnerships with the private sector and international organizations to jointly develop and implement innovative solutions in the field of security.

Having analyzed this topic, we can conclude that innovative technologies have a significant potential to increase the effectiveness of ensuring the safety of citizens in various aspects, from the detection and prevention of crimes to the provision of cyber security. It is important to give priority to innovative solutions and provide favorable conditions for their implementation and development in order to maximize the safety of citizens and build a modern, sustainable society. Involvement of world best practices in the field of citizens' security can become an important source of training and improvement for Ukraine.

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