

**СЕКЦІЯ 2.**

**СУЧАСНИЙ СТАН ТА ПЕРСПЕКТИВИ РОЗВИТКУ  
СПРОМОЖНОСТЕЙ СУБ'ЄКТІВ СЕКТОРУ БЕЗПЕКИ І ОБОРОНИ**

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**THE ROLE OF THE STATE BORDER GUARD SERVICE OF UKRAINE IN  
STRENGTHENING NATIONAL SECURITY UNDER WARTIME  
CONDITIONS**

With the emergence of full-scale aggression by the Russian Federation against Ukraine, the State Border Guard Service of Ukraine (SBGSU) has become a pivotal force within the national security framework. Its responsibilities have evolved beyond basic border surveillance to include counter-sabotage operations, the prevention of illegal migration, and active participation in joint defense initiatives along border regions. The SBGSU has rapidly adjusted to the complexities of hybrid warfare, which involves countering information operations, tackling the illicit trafficking of weapons, and addressing reconnaissance and sabotage groups operating in the border zone. As a result, there is a pressing need to enhance the Service's analytical and operational capabilities.

Effective task execution in today's security landscape necessitates the ongoing transformation of the SBGSU. Successfully integrating the border agency into the European and Euro-Atlantic security framework requires comprehensive reforms across various areas: enhancing the management system, modernizing the legal and regulatory framework, upgrading technical equipment, and implementing advanced training standards. It is particularly important to focus on developing leadership skills, fostering operational thinking, maintaining performance under high-stress conditions, and ensuring effective coordination among units during combat operations.

International cooperation is essential for strengthening the capacities of the State Border Guard Service of Ukraine (SBGSU). Ukrainian border guards engage in active collaborations with NATO member states, the European Union, and other international partners. Assistance from abroad – encompassing equipment, communication tools, surveillance systems, transportation, specialized gear, as well as joint exercises and training – greatly enhances operational response, combat readiness, and the organization of border management in alignment with global best practices.

In order to enhance the effectiveness of border protection, the SBGSU is actively implementing advanced technologies, including digital command-and-control systems,

video surveillance tools, and unmanned aerial vehicles (UAVs). Furthermore, the transition to communication and surveillance systems compatible with NATO standards represents a significant advancement in this initiative.

The ongoing war has emphasized the pressing need to restore and modernize border infrastructure, particularly in essential sectors. This initiative encompasses the construction of fortifications, logistics hubs, and control points to enhance the resilience and mobility of border units. Furthermore, efforts are being directed towards improving road surfaces, upgrading railway lines, and establishing modern customs terminals and temporary storage warehouses. The development of infrastructure for vehicle and cargo inspections will also involve the implementation of advanced technologies such as scanners, CCTV systems, and automated checkpoints.

Investments in border infrastructure represent a pivotal strategy in advancing Ukraine's integration into the European framework. By focusing on the development of a modern, secure, and efficient border network, Ukraine can enhance its capacity to streamline trade, improve security, and facilitate movement between nations. This initiative will not only support Ukraine's gradual accession to the European Union's single economic and customs space but also promote regional stability, foster economic growth, and strengthen bilateral relations with EU member states. Ultimately, such improvements will contribute to a more cohesive relationship between Ukraine and the European community, reinforcing Ukraine's commitment to alignment with European standards and practices.

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## **ВПЛИВ ТЕХНОЛОГІЧНИХ ІННОВАЦІЙ НА ФОРМУВАННЯ МАЙБУТНІХ СПРОМОЖНОСТЕЙ ОБОРОННОГО СЕКТОРУ**

Сучасний оборонний сектор стрімко трансформується завдяки новітнім технологіям. Штучний інтелект, автономні системи, кібербезпека, робототехніка – це вже не завтрашній день, а ключові елементи сьогоденної безпеки.

Штучний інтелект, зокрема, став реальним інструментом: він аналізує дані, виявляє загрози, керує технікою. Яскравий приклад – дрони та роботи зі ШІ, які не тільки розвідують, але й можуть знешкоджувати цілі чи брати участь у боях. Така автономність рятує життя наших військових, що надзвичайно важливо зараз. Візьмемо проєкт "Maven" у США, де ШІ допомагає швидко аналізувати відео з безпілотників для пошуку цілей. Це особливо цінно там, куди людині просто небезпечно чи неможливо дістатися.

У світі, де все стрімко цифровізується, кібербезпека виходить на передній план. Військові структури, які серйозно залежать від інформаційних технологій, неминуче