

решению практических профессиональных задач по формированию конкурентоспособных специалистов". – 2014. – С.399-403.

## CUSTOMS TECHNOLOGIES OF THE FUTURE ТАМОЖЕННЫЕ ТЕХНОЛОГИИ БУДУЩЕГО

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The customs sphere, as nothing else, requires the use of new technologies that can help to speed up the implementation of various customs inspections. Customs must keep up with the ever-changing conditions of global trade. On the one hand, they must contribute to the development of economy, and on the other hand they must preserve the security of the country's economy, prevent offenses and crimes.

Today different modern innovations are used in almost every area and customs is no exception. Technologies are an important part of the modern customs. Many countries come up with a large number of innovations that help to speed up the process of declaring goods as much as possible, contribute to improving the investment climate on the territory of the state, create favorable conditions for participants in foreign economic activity.

***The SEACAP program.*** The USA has become a leading country in the development of technologies for the detection of explosives. One of the most successful and already working methods was the SEACAP program – a technology for contactless customs inspection, in which explosives can be found if it is hidden on the body or in human clothes, using passive waves in the millimeter range. The meaning of this program is that people don't stop passing through the turnstile and the image from the turnstile is transmitted to the monitor and if any anomaly is detected, the passenger will be taken to the inspection room.

Since this technology does not imply obtaining an image of the body as a whole violation of the rights of citizens to privacy does not occur during the operation of the equipment.

***X-Tracer.*** In 2009, a company from St. Petersburg, "Laser Systems" developed equipment that is able in just two seconds to find even a small trace concentration explosive on the hands, document or clothes. They may not be visible to the human eye, but can remain on the surface for up to several days.

The inspected object is placed to the optoelectronic sensor, which then analyzes the object and transfers information to the computer monitor about the presence of explosives and their composition. The system can detect minimal traces (up to 100 nanograms) and determine the main types of explosives.

***Gate for the discovery of explosive and drugs substances SENTINEL II.***

Concern Smiths Detection has developed a unique security system that allows to 100% guarantee to find traces of explosives and drugs. This is a non-contact scanning system, which is a gate where particles of matter and vapors are gently removed from the clothes and the body of an air stream. A person leaves the gate, and then, during the analysis, the system passes the next person. Within a few seconds, the results are displayed on the monitor and can easily be deciphered by security personnel. “Intelligent” gates allow you to miss 7 people per minute and can find more than 40 types of explosives and drugs.

***A biometric tunnel.*** A biometric tunnel scans passengers' faces as they pass through it to collect their luggage using LIDAR technology, which means that when passengers arrive, they don't have to wait in line for passport control, they can go straight for their belongings. These biometric passports store not only passport data, but also fingerprints.

***Flying SpectroDrones.*** Thanks to the development of technology, flying drones and robots can now perform many tasks that are potentially dangerous for humans. The Israeli company Laser Detect Systems (LDS) has created flying drones that can detect explosive substances, improvised explosive devices, as well as drugs, minerals and some other biological substances from a height. In the drone is a whole system of various electro-optical mechanisms, laser rangefinder, camera, spectrometer and other devices. The main achievement of inventors is that earlier to detect these substances the sensor had to be located at the minimum distance from the substance. Spectro Drone is able to recognize explosive materials in any form – in solid, liquid, gaseous form or powder, and can also analyze the substance in real time.

This list of technologies is inexhaustible, because every year the «old» technologies are replaced by newer and improved ones.

The Customs Service of the Republic of Belarus is also focused on the introduction of advanced technologies, the need for which is due to the rapid increase in the volume of international trade, the complexity of its structure, the limited human resources of customs authorities and the desire of participants in foreign economic activity to minimize the loss of time and material resources for customs declaration of goods, in order to improve the efficiency of its functioning.

Today, in the 21st century, modern technologies play a huge role. They help us in various areas of life: medicine, sport, education, etc. For customs, as a guarantor of the country's security and economy, modern technologies are also very important. The introduction of such technologies will increase trade turnover, significantly reduce the time of customs operations, and effectively and efficiently perform customs control.

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### THE DUAL-CHANNEL SYSTEM IN CUSTOMS СИСТЕМА ДВОЙНОГО КОРИДОРА НА ТАМОЖНЕ

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The dual-channel or red/green system is a simplified Customs control which enables Customs authorities to improve the flow of passenger traffic through the border; to deal efficiently with the increasing number of passengers without reducing the effectiveness of the control and without a corresponding increase in the number of Customs staff. It is compatible with the application of other controls unless the circumstances require full control of all passengers and their baggage.

When you arrive at the checkpoint, you are required to declare fully and correctly all dutiable, controlled or prohibited items that you are carrying at the Red Channel. All such goods and their import license or authorization where applicable, should be produced to the customs officers at the entry point for examination. Making a false or an incorrect declaration is an offence under the law. Customs declaration form is available at all entry points.

Each channel shall be clearly and distinctively marked so that the choice between them can easily be understood by passengers. The basic distinctive marking shall be:

- a) for the «green» channel - the words «Nothing to declare»;