



THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN IMPROVING THE PROFESSIONAL COMPETENCE OF FUTURE FIRE TRAINING OFFICERS

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Annotation:

The article examines the types of electronic simulators directly related to information and communication technologies, and the effective use of their capabilities, increasing the professional competence of future officers of higher military educational institutions in the field of firearms training.

Keywords:

Higher military education, future officers, electronic simulators, firearms, information and communication technologies, competence, professional competence, improvement.

Information and communication technologies have long been the most important component of the process of using information resources of society. Although information technologies existed at different stages of human development, the peculiarity of the modern information society is that for the first time in the history of civilization, the efforts and energy spent on the acquisition and production of knowledge prevail over the costs of raw materials, materials and items of material consumption, i.e. information and communication technologies occupy a leading position among existing new technologies.

Based on this, the systemic changes taking place in the field of military personnel training make it necessary to improve the professional competence of future officers in fire training in higher military educational institutions with the help of information and communication technologies. This is one of the most pressing problems of today.

In higher military educational institutions, future officers should have comprehensive knowledge in the field of information and communication technologies and telecommunications, be able to freely navigate global information flows, skillfully find and process the necessary information, and then make decisions based on it agree, they should have excellent skills for use in professional activities.

No industry today is conceivable without the presentation of information and communication technologies, at the same time, the situation itself requires it. The role of information and communication technologies in the organization of service activities in the system of the National Guard of the Republic of Uzbekistan is invaluable.

The President of the Republic of Uzbekistan sh. M. Based on the calls Mirziyoyev of Uzbekistan “must be competitive globally in science, intellectual potential, modern frames, high-tech”[1]: serious attention is paid to the formation of the army on a professional basis, to ensure its composition of professional staff with high qualifications, professional skills and combat capability, able by their individual personality, social characteristics fully meet the requirements of the military profession.

One of the problems awaiting solution in higher military educational institutions is the improvement in accordance with modern requirements of professional competence of personnel with intellectual potential that fully meets the requirements of today, including electronic simulators directly related to information and communication technologies, and effectively using their capabilities.

Today, the use and effective use of new innovative technologies in the organization and conduct of classes remains one of the main requirements of modern education. The basis of the modern system of military education is a high-quality and high-tech environment. The use of multimedia technologies and computer graphics in the educational process helps to conduct the learning process in an interactive form. In particular, the Macromedia Flash MX program is used for designing, testing, and modeling educational, industrial, and technical processes. Despite the fact that our government pays great attention to the creation and development of scientific, technical and technological innovations in the military sphere, the training is limited only to PowerPoint presentations. General information can be provided through presentations, but when training the type of weapon, it is impossible to see how parts and mechanisms belonging to the same weapon move, how they work. As a solution to this problem, it is advisable that we use the Macromedia Flash MX program. Develop interactive applications using Macromedia Flash MX and create these applications introduction to the education system is of paramount importance. It is advisable to regularly introduce higher military educational institutions into the educational process by creating interactive animations using the Macromedia Flash MX program. This will fundamentally change the system of military education and create a basis for a deeper understanding of the content and nature of the training that future officers will undergo[2].

In this process, important research tasks are solved, such as improving professional competence in the training of future officers, creating the necessary pedagogical conditions to ensure their professional and personal maturity in higher military educational institutions, developing the basis for the formation of professional competence of future officers and justifying the criteria that determine the degree of perfection of their professional competence.

In support of the above, I consider it necessary to provide information about some modern shooting simulators that are currently recognized by the world community. In particular, the shooting simulator "knut", recognized as effective for use by the army of the Russian Federation, this shooting simulator is capable of firing from the AK-74 (AK 100 series) from a distance of 100 to 700 meters, as well as from the SVD sniper rifle (in the form of PSO-1), RPK-74 machine guns (RPK 200 series), PKM ("Pecheneg"), PGO-7V3, RPG-26, GP-25 (GP-30). firearms have the ability to fire without consuming ammunition[3].

In addition, the Gunner skill trainer, manufactured by Kongsberg Defense Systems and now widely used in the armies of a number of foreign countries, is designed for full-fledged movement in the complex of combat vehicles, both in training classes and in the form of installation on the weapon itself. The SCATT shooting simulator is designed to work with a simulator that constantly monitors the movement of the weapon relative to the target with high accuracy. Information from the sensor is sent to the computer converted by the Scatt program, and the oriented point against the background of the target is displayed in the format of the trajectory of movement. The firing time on the screen is recorded in a circular

form, and all information about aiming and firing coordinates is stored in the computer's memory for subsequent analysis[4].

At the same time, practical techniques and rules of shooting on a rifle simulator also allow you to teach compliance with safety regulations when shooting from firearms. When performing tasks for shooting from combat weapons, without spending ammunition and without the risk of injury, electronic simulators are the most effective methods, types, conditions and procedures close to real combat conditions. Electronic simulators allow students to learn how to keep weapons in order, what to consider when performing exercises, and also give the shooter complete freedom of action.

Evolutionary changes in the use of firearms in the field of information and communication technologies serve to improve all spheres of life in a developing society. This, in turn, to a certain extent determines the ways and means of forming knowledge, skills and abilities. The most effective solutions in training shooting from conventional weapons involve the introduction of new electronic shooting simulators in the educational process.

One of the most important and indisputable advantages of electronic switch simulators and complexes is the formation of skills in managing the moral and psychological state of the shooter.

The process of introduction of information and communication technologies in the educational sphere determines new requirements for the training of future officers in higher military educational institutions. Future officers in higher military educational institutions should have comprehensive knowledge in the field of information technology and telecommunications, the ability to navigate freely in global information flows, the ability to skillfully find and process the necessary information, and then make decisions based on it and use it perfectly in professional activities.

In conclusion, it should be noted that, based on the requirements and main tasks of today, the accelerated and uninterrupted implementation of information and communication technologies in the education system will further improve the quality and efficiency of education. Increasing the potential of the national army a radical change in the system of military education not only higher military education, but also training conducted to improve the knowledge of all military personnel of the system, the role of modern information and communication technologies is invaluable.

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