DIGITAL DIAGNOSTICS OF FIREFIGHTERS' PERSONAL QUALITIES

Platonov V., Researcher, NUCDU

SA – Tsokota V., PhD in Psychological Sciences, Senior Researcher, NUCDU

The rescuer's willingness to take risks is one of the important qualities of his/her professional formation and training. It is linked to the fulfilment of his direct duties. Risk readiness, self-regulation and management of emotional state are among the major professionally important qualities of the firefighters. Of course, not all the candidates have those psychological characteristics. The successful conclusion of the professional and psychological selection is possible thanks to candidate diagnostic and monitoring of the required level of psychological characteristics to perform rescue duties during an emergency.

Nowadays, professional psychological selection in the State Emergency Service (hereinafter referred to as "SES") is based on a testing with using paper forms and their processing by a psychologist. There are School test of mental development, the Sixteen Personality Factor Questionnaire (16PF), Schmelev's determination method of risk adaptation; Multi-level Personal Adaptability Questionnaire (MLO-AM) by A.G. Maklakov and S.V. Chermyanin. These tests determine the level of intelligence, as well as individual psychological characteristics and risk tolerance.

Modern computer technologies allow to create a program for the automated selection of candidates and firefighters crews. An automated complex for professional psychological selection with similar targets is a computerized version of the PQA test which was developed in the USA. Although both computer and paper versions of the test are using for the selection of firefighters in the United States, Canada, Australia, and the United Kingdom. This test is intended at exploring a candidate's cognitive abilities, adaptability to the an extreme situation, teamwork, motivation to work in a team to achieve a common goal, identifying leadership qualities, sociability, emotional and stress resistance.

Thus, the professional psychological selection of firefighters in the SES is based on the exploring of personality traits, risk readiness and intelligence level. In foreign practice, the psychometric computerized PQA test is intended at investigating cognitive abilities, teamwork, identifying leadership qualities, adapting to extreme situations

REFERENCE

1. Salters-Pedneault K., Ruef A. M., Orr S. P. Personality and psychophysiological profiles of police officer and firefighter recruits.// Personality and Individual Differences – 2010, p 210-215. URL: https://www.sciencedirect.com/science/article/abs/pii/S0191886910001716 (дата звернення 23.12.2019)