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### **THE METHODOICAL APPROACH FOR THE LIQUIDATION OF CONSEQUENCES OF THE EMERGENCIES**

*Introduction.* Given the number of high-risk and potentially dangerous objects on the territory of Ukraine and prediction of the situation in case of destruction, for timely and efficient response to emergencies is advisable to maintain appropriate strength and resources with a high level of training and in sufficient quantity.

*Materials and methods.* For emergency consequences liquidation was developed and proposed a method that allows for the selected performance indicators in the given conditions to evaluate the possibility of forces and means of civil protection for the implementation of assigned tasks and make informed decisions for the definition of the relevant required forces and means.

*Results and discussion.* Based on initial data (liquidation zone characteristics, composition of forces and means of civil protection for liquidation and factors affecting the implementation of measures), was developed the calculation model of determination of the forces and means of civil protection. The metrics evaluations of the effectiveness of forces and means for liquidation were identified: efficiency Q1, which characterizes the probability of execution of forces and means of civil protection tasks for liquidation depending on the time (t), which is spent on liquidation and reliability Q2, which characterizes the probability of identifying and carrying out events for any environment conditions. The effectiveness of using forces and means of civil protection for liquidation of consequences is determined by conformity assessment of capabilities of the forces and means to requirements of performed tasks. This allows developing the recommendations for effective and timely actions for liquidation of consequences.

*Conclusions.* Using the proposed approach allows for selected performance metrics in the given conditions to evaluate the possibilities of the forces and means of civil protection and make informed decisions for definition of their necessary personnel for the implementation of the events for the liquidation of consequences of the emergencies.

**KEY WORDS:** *civil protection, emergency, liquidation of consequences*