Секція 6

**ACTUALITY AND BASIC CONCEPTS OF THE EXPERT-STATISTICAL MODEL FOR PREVENTING EMERGENCY SITUATIONS**

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The ever-increasing level of danger of natural, man-made, social and military nature requires the implementation of continuous comprehensive measures aimed at improving the functional efficiency of the State Emergency Service of Ukraine. These measures are classified both by the level of the organization and by the directions of their implementation.

The comprehensive implementation of these measures is determined by the existing operational potential of the main units for the implementation of functions by purpose, and the capabilities of the subsidiary units to ensure a high level of operational capacity of the main structural units [1-5].

Based on the above, the main task is to form an expert-statistical model of emergency prevention. The application of the latter will justify the necessary staffing of emergency units in the face of modern dangers and social transformations.

For its formation it is necessary to enter the following definitions:

- operational potential - a generalized numerical characterization of the functional capabilities of the main units of the SES of Ukraine in full implementation of the line of specialization;

- operational ability - a generalized numerical characteristic of the main operational units to perform operational tasks in the field of specialization;

- operational capability - the normalized indicator is calculated as the set of normalized operational potential and the normalized operative ability of the main units of the SES of Ukraine to fully execute the tasks set in the field of specialization.

Thus, the formed concepts allow to further clearly define the physical field of existence of a mathematical model of emergency prevention and to parameterize the number of dependent and independent variables in the communication levels.

**Reference**

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