

ods of identification of occupational risks, poor information and analytical support of system of labor protection management, lack of scientific substantiation of a synergistic effect on the growth of human factors of production, cumbersome methods for determining the economic effect of labor protection measures among others. **Aims and Objectives.** The improvement of the existing system of labor protection management in Ukraine based on risk-based approach. **Methods.** Analytical and experimental. **Results.** According to the research, contradiction, alternative and uncertainty are the main features of risk. It cause collision of objectively existing risky actions or technologies with their subjective evaluation and require the need of choice of specific solutions or activity from some options and accompanied with the inaccuracy or incomplete information about the conditions of work of new technological system for example. **Conclusions.** According to the research, there are eight reasons of uncertainty, which is the main feature of risk in engineering production. The main among them are availability of contradictions in technologies and probabilistic feature by embedding, limitations in the financial, material and human resources.

Key words: labor protection, productional risk, OSH, technological system, workplace, harmful and dangerous production factors.

OHSAS

18001:2007 OHSAS 18002:2000 [1,2],

[3-5];

70-

2001» [7]

50%
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$$= \frac{(-)}{100} \cdot 100\% = -10\% \dots +20\%, \quad (1)$$

10-15%.

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[1, 2] BS 8800:1996 [12] ILO-OSH-2001 [7],
(12.0.230-2007), [13,14],
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