

PROBLEM OF RISK MANAGEMENT IN RUSSIA
AND ACCEPTABLE RISK CONCEPTION


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A B S T R A C T

Risk management is considered as one of the important problems of socioeconomic stability in Russia. Recent uncontrollable processes in economics have resulted to many severe industry accidents. Moreover there is the high level of harm industry exhausts frequently exceeding the permissible level. As a result the individual risk of fatality has achieved the unacceptable large value in the separate regions (up to $1.5 \cdot 10^{-2}$ (man.year) $^{-1}$). However the risk management conception should be developed with taking into account not only the present socioeconomic situation in the country but also a prospect of its development as in the nearest years as for a long-term forecast. It should foresee gradual decrease of the permissible risk level so that to achieve for 15-20 years the acceptable risk level adopted by industrialized countries. The first stage has to include both the systems of economical stimuli for industry enterprises and administrative regulations that could permit to decrease the risk level up to tolerable one. For the second stage, apparently after 2010-2015, it is necessary to turn from a tolerable risk level to acceptable one. As a base for development of an acceptable risk conception the approach "risk-benefit" is considered. Maximum value of "Quality life expectancy (QLE)" is discussed as the possible function of aim for the procedure of optimization. The value of QLE takes into account not only the life expectancy (LE) but also a quality of expected life, i.e. a level of health and wealth and also satisfaction of spiritual requirements. QLE is determined not only by a level of risk but also by a level of life which is the function of a gross national product (or a certain part of it).

The possibilities of such approaches for region and federal levels of risk management have been discussed too.

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