

**METHODICAL ASPECTS OF THE TECHNICAL RISKS ESTIMATION
IN FERROUS METAL INDUSTRY**

An improvement of the economic aspects of the technical risks study due to the increased crash and man-made disasters, and, as a result, serious economic losses requires the creation of an unified methodology for the identification of the risk events and prediction of potential losses, as well as the development of preventive measures to minimize them. Therefore there is a need to systematize the methods used to assess risks, identify the methods that should be used for the study of technical risks in the steel industry.

The variety of methods requires the stage forecasting classification and the stage of losses settlement due to equipment failure. The author proposes a classification of the technical risk research methods, where the first sign of the evaluation object complexity level is adopted. It also describes a possibility or impossibility of detail that plays an important role in the study of technical risks. This basis methods can be divided into two groups: the total group (experimental – statistical) and analytical one.

The classification will streamline the selection of methods that should be used at different stages of risk management solutions for specific problems. It is an essential element in the development of expert-analytical monitoring of technical risks in modern information systems.

A definition of technical risk assessments should be based on the technical inspection of facilities, breakdowns and accidents statistics, comprehensive analysis of the production processes, as well as on the results of simulations for the relevant hazards and their impact on the enterprise performance.