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**DIAGNOSTICS OF THE ENGINEERING COMPANY ECONOMIC SECURITY**

M. M. Karaim

*Ukrainian Academy of Printing,
19, Pidholosko St., Lviv, 79020, Ukraine
shtangret.am@mail.ru*

***Research methodology.*** *To form the methodological principles of assessment of the level of the engineering company economic security there have been applied methods of induction and deduction, comparison and systematization — the study of key parameters known methods of assessing the level of economic security; modeling theory — to develop algorithm of the monitoring system of economic security; statistical analysis — to diagnose the level of economic security of the existing set of machine-building enterprises; graphic — for visual presentation of theoretical and methodological materials; abstract and logical — for theoretical generalizations and conclusions of the study.*

***Results.*** *The application of the algorithm evaluation of economic security engineering enterprise can not only describe the level of security in general, but also recognize the danger point increasing concerning a particular functional component of economic security, and therefore to apply certain protective technology.*

***Novelty.*** *There has been created the algorithm to monitor the level of economic security, providing for the economic activity of the enterprises to calculate the integral index as a tool in developing and implementing tactical and strategic decisions in the management of economic security.*

***The practical significance.*** *The theoretical findings, scientific advices and other research results are tested in terms of ten machine-building enterprises of Ukraine.*