

## Assessment and analysis technology of the financial risk of bank activity

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The article summarizes current approaches to assessment and analysis of financial risks of a bank. It is proved that nowadays there is no single methodological approach adopted to determine the financial risk of external and internal environment. Considering this, the authors proposed to evaluate and analyze the financial risks of the bank using a methodical approach of IDEF0 standard – functional simulation methodology that allows us to describe the business process in the hierarchical system of interrelated functions. This approach allows defining the stages of assessment and risk analysis and provides systematization of this process, and clearly defined and specific sequence of actions creates conditions for further effective management of financial risks.

The detailed process of assessment and analysis of financial risks of the bank consists of five stages:

- identifying of financial risks of the environment;
- identification of financial risk of internal environment;
- quantification of financial risks of the bank;
- control and prediction of financial risks consequences;
- development of recommendations to minimize the financial risks of the bank.

Such sequence of logic operations reflects a financial analyst in the analysis and assessment of financial risks. First, he analyzes the financial risks that arise in the environment; then he carries the identification of financial risk of internal environment that is directly the threats that exist in the bank, and which can be influenced. Then he conducts a quantitative risk assessment, using different methods, including: ratio analysis, trend analysis, economic and mathematical modeling, etc.

After specifying the stages of assessment and analysis of financial risks, analysts develop the decomposition directions of each one; they predict all the necessary actions to consistently and effectively implement each stage of the methodological approach.

As a result of building a comprehensive model of assessment and analysis of financial risks of the bank, using IDEF0, it is proved that risk identification should be integrated and provided as a separate definition of financial risks of external and internal environment. It is expected that the risk identification is systemic and has elements of prediction, because only in case of predictions of the consequences of the risk, one can develop an effective approach to the management of the identified risks, which will be the basis for further scientific research on the chosen subject.