

UPRAVLJANJE PROMENAMA POBOLJŠANJEM PROIZVODNE STRUKTURE TRANSPORTA - NOVI IZAZOVI

CHANGE MANAGEMENT AND IMPROVEMENT OF PRODUCTION STRUCTURE OF TRANSPORT - NEW CHALLENGES

Vasko Vassilev ¹

Summary

This concept was fundamentally new and allows for a comprehensive analysis of the problem structure and the design of effective production structures taking into account the complex of relations between different sectors of the economy in hierarchical and horizontal plan.

The proposed methodology can be successfully adapted to different economic systems.

The problem for the study and improvement of the structures and economic systems is essential for their effective functioning. The task for a new approach to the restructuring can be decided only on the basis of complex systems research. It is impossible to solve correctly the structural problems of the economy, if not used modern scientific achievements of the theory of systems and their management. On this basis it is possible the development and use of modern approaches and methods of research and analysis of the structures, and the right choice of alternatives for their development and application of appropriate technology for practical transition to the new structures.

Past experience shows that restructuring is most often limited to modifications of existing structures based primarily on intuition or partial studies. This is the reason for allowing conceptual errors with serious negative consequences. The output of the production structure as an object of study and improvement was required for it to be considered as a separate system object and its elements. Basic position for evaluating the effectiveness of the production structure is its consideration as a cybernetic system with the corresponding input and output. Parameters input can be described as a relatively independent system with the own structure of its elements. The need for a scientific approach to the improvement of the structure is particularly topical for the transport system. Transport is extremely dynamic and flexible system in production and technological terms. Furthermore, there is large-scale and expensive production equipment. Effective use of these resources is only possible with rational established manufacturing, technology, resources, organizational and other structures.

The problem of the study, design and the improvement of the structures is not a new theory. In this area employs a large number of scientists, there are many scientific studies and developments. However, the current dynamics in changes of new scientific results and greater needs of the economy has made it necessary to expand the scope of research. This is particularly important for transport of the effectiveness of which depends largely on the overall economy.

¹ VTU „Todor Kableshkov“, Sofia, Bulgaria

The actuality of the problem is especially great given the following important issues that need to be addressed:

- The construction of the structures of the transport system is directly dependent on the structure of the national economy.
- In turn, the structure of the transport directly affects territorial and product restructuring of the economy.

Science is still liable for the lack of a method to study and design of transportation structures covering a systematic basis factors determining the structure. This defines the main objectives of this paper . It is oriented towards the:

- detection of unresolved theoretical and methodological problems in this area;
- output of the main factors determining the structures and principles for restructuring;
- research and analysis of existing structures;
- output of the main directions for improvement of the structures of transport and developing a methodology for testing and analysis.

The results of the study can be used as an option for evaluating the proposed development of further extensive studies, and their performance and for a particular practical realization of the structural changes.

The paper identifies a number of key issues for the study of the transport system, the connections between modes and the scheme for their integration, dependencies between transport and other sectors, and the main stages of the procedure for determining the new features of the production structure of transport

Transport is the sector that is defined in terms of the structure of the national economy. This need to maintain state regulation of the restructuring of the transport organizations. In market conditions, regulation mechanisms of the state are different from centralized planning approaches. Regulation is placed primarily on the basis of economic incentives and constraints. Is not possible without analysis and clarity of the structure of transport in line with trends in other industries.

This is the main reason to allocate space on the factors, that determine the policy for regulating the development of transport.

Their fuller observation guarantee a correct assessment of the structure of the transport subsystems.

The proposed methodology is based on cybernetic and systemic approaches. This creates conditions content and the procedural steps to be used in the restructuring of other industries and manufacturing sectors. The studies suggests a contemporary approach which outlined the most important (providing an exhaustive detection of problem situation) procedures for analysis and design. In their practical realization of teams can without problems to fit different approaches and methods of analysis, strategic planning and process management restructuring.

Proposed here, is part of a larger study of the author, on the restructuring of the economic systems based on design methods for analysis of ranking system elements and various options for implementation of advanced business systems

Keywords: system research, restructuring, resources, transport, sector
