

PERFORMANCES AND INDICATORS OF THE RAILWAY SYSTEM OF THE SERBIA IN THE TRANSPORT OF GOODS

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***Abstract** – Railway performance indicators provides an input for decision-making process in railway system management. Due to complexity of the railway system, the chosen indicators should help decision-makers to get answers to questions as such as what the characteristics of the network are, how the network works and how it is used in a given period, taking into account the data availability and method of their collection. Therefore, the right choice of performance indicators and the method of their calculation is very important to decision-makers in the successful management of the railway system. The right choice of indicators is especially important in changing conditions induced by implemented structural reforms of the railway system, which is now on-going process in Serbia. In different environment, it is necessary to reconsider current freight performance indicators and whether they affects on the decision-making process. Therefore, the first part of thesis gives an overview of the existing indicators and their analysis. The second part of thesis propose new indicators which are more market oriented and they are inspired with indicators used on railways in Australia. All proposed indicators are classified into three catogories: the train efficiency indicators, quality of the infrastructure indicators and railway market indicators. Finally, based on the available data, the values of the new proposed railway system indicators were calculated.*

***Keywords** – railway system, transport of goods, performance, indicators, market competitiveness.*

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