

Technical and organizational innovations as an element of improvement of exploitation parameters in the logistic transport processes

Abstract

This doctoral dissertation consists of five chapters.

The first chapter includes an analysis of state of knowledge, goal, scientific thesis of a doctoral dissertation and assumptions.

The functioning of transport enterprise was analysed in the second chapter. As a result, an algorithm of organization of transport process without and with implementation of technical innovations has been created. Technologies of monitoring of means of transport were also analysed.

An analysis of transport processes, in which enterprise was providing transport services was conducted in the third chapter. Analysed transport processes are a sequence of events occurring in transport enterprise. Showing the need of using innovative technologies in the management of transport processes, the research on transport processes with the implementation of innovative monitoring systems X, Y was conducted. An analytical model of effective provision of transport services in Just-in-Time and Door-to-Door system was presented in this chapter.

The basic goal of transport enterprise is properly planned and conducted transport process. Therefore, selection of an appropriate method of organization of transport process is very important in this aspect to help an enterprise to maximize financial result of an undertaking. A model of maximization of financial result of an undertaking in transport of return cargos and author's tool for determination of the best return route of transport of goods were presented in the fourth chapter.

The conclusions were presented in the fifth chapter.

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