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СУЧАСНІ МЕТОДИ ЛОГІСТИЧНОГО УПРАВЛІННЯ

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AN IMPACT OF HUMAN FACTOR ON LOGISTICS SYSTEM

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The functioning of any logistics system without very weighty human intervention is not possible. Moreover, a human is the organizer and designer of material flows' promotion systems, executor and end user. At the same time, the advanced logistics' technologies, designed and operated with poor attention to the human factor. Necessity for taking into account the human factor caused of urban life support and other territorial systems of higher levels [1].

Production delivery to consumption sphere is one of the important trade functions that take place in commercial companies. Rational management is important in goods distribution processes. Logistics tools are effecting on distribution delivery mechanism choice for different cities.

Continues increasing of requirements for logistics services lead to taking into account human factor. Consumer's tastes, preferences, experience, income, cost structure may effect on end-user demand in the retail facilities and consequently affect the technology of inventory management, supplies and other logistic functions and costs.

In such circumstances, actual is to determine regularities of the logistics system parameters' impact and their component on the functional states of humans – members of the system, and vice versa – the human factor (functional state) influence on performance of logistics system.

The use of modern methods (electrocardiography, electroencephalography, skin and galvanic response, oculography and others) and special readout equipment, and logistics system's performance on-line analysis, is it possible to identify these regularities [2].

Research will help to form recommendations for improving customers' service and staff's working conditions, logistics decisions and other human functioning.

References

1. Shiwu L., Linhong W., Zhifa Y., Bingkui J., Feiyan Q. and Zhongkai Y., (2011) An active driver fatigue identification technique using multiple physiological features. Mechatronic Science, Electric Engineering and Computer (MEC), III International Conference, pp. 733-737, 19-22 Aug. 2011.

2. Andreassi, J. (2007) Psychophysiology: Human Behavior And Physiological Response. In Psychophysiology: Human Behaviour & Physiology Response. – Lawrence Erlbaum, p. 538