

BASE ELEMENTS CONCERNING THE ORGANIZATION OF STOCK MANAGEMENT WITHIN LOGISTIC SYSTEMS USING MULTI-AGENT PARADIGMS

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Abstract: Every day inside enterprises can appear different problems such as: operative production problems, planning or designing problems. These problems require to be solved. A big part of these problems can be solved by a good management of the warehouse. Stocks theory appeared as a necessity for assurance the regularity of the supply. This requests minimal costs for the stocks of base materials and semi-finished products necessary for the process of production. It also request minimal costs for the stocks of end products, in the activity of merchandises supply. Being quantities of materials or products, stocks accumulate in warehouses, in a certain volume and a certain structure, on an induced period of time, for further utilization. The utilization of multi-agent paradigms for the stock management is a new and much efficient method.

Key words: stock management, logistic system, multi-agent systems.