УДК 006.85

INTEGRATION DEFINITION FOR FUNCTION MODELING OF BUSINESS PROCESSES (IDEF0) IN LOGISTICS

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Designing the logistics process nowadays might be an unusually difficult task. Unpredictable factors lead us to losses. But using the process description languages makes supply chain management easier, e.g. IDEF0 (pronounced I-def zero) [1]. IDEF0, or Integration definition for function modeling, is a functional modeling method for complex manufacturing environment which when graphically represented show the structural relationships between the manufacturing processes [2]. IDEF0 is used to produce a “function model”, which is a structured representation of the functions, activities or processes within the models system or subject area.

The models in IDEF0 are easy to build and understand. IDEF0 (Integration DEFinition language 0) is based on SADT.

IDEF0 models are composed of three types of information: graphic diagrams, text, and glossary. These diagram types are cross-referenced to each other. The graphic diagram is the major component of an IDEF0 model, containing boxes, arrows, bow/arrow, interconnections and associated relationship. Box and arrows compound ICOM Code, acronym of Input, Control, Output and Mechanism.