

SIMULATION ANALYSIS OF AN EMERGENCY CARE FACILITY

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A GPSS model has been developed to assist in the planning and evaluation of emergency medical facilities. This paper describes the ERS'M Model and its use in the analysis of design and operating alternatives. Applications of the model to date have included analysis of triaging policies and physician staffing patterns. The results of these studies and opportunities for future applications are discussed.

AN INTERACTIVE MULTI-ITEM INVENTORY COMPUTER SIMULATION

MODEL

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A generalized inventory simulation model has been developed to establish the value of a company's inventory. This model was developed to evaluate inventories which are made up of subassemblies, assemblies, and finished goods; therefore, one component of the model is a time-sharing bill of material processor. The model accepts a finished goods forecast for spec-

ified time periods; it then predicts the net requirements for these time periods. Also the obsolete items are identified. The model can be used for production planning as well as the evaluation of on the shelf inventories. The model is interactive; it allows the user to vary inputs from a portable terminal and identify and critical parameters of the model. The model can be demonstrated to any interest group which can provide access to a standard telephone.

GWSS - A GENERALIZED WAREHOUSE SIMULATOR SYSTEM

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A generalized warehouse simulator system (GWSS) was constructed to facilitate the construction and operation of simulation models of complex warehouse systems by design engineers and operating managers. This paper presents the structure of the generalized model and the techniques used to provide extreme versatility in the warehousing system that can be modeled. The use of the generalized model is explained and its application in the construction and exercising of a simulation model for a large complex warehouse system is illustrated by an example.