

Logistics Engineering and Management

The book emphasizes the importance of dealing with logistics early in system design and development process and throughout the implementation of the system engineering process. The book also stresses the importance of establishing performance-based logistics (PBL) measures (metrics) early in the system design process and the follow-on “design for supportability” requirements in response to these requirements, promoting a more “proactive” approach to logistics support, as opposed to an after-the-fact “reactive” approach.

The case studied illustrated in this book utilize key analytical tools in the definition of logistical support requirements such as LCCA, FMECA, FTA, RCM, MTA, LORA, and evaluation of design alternatives. This book also offers new material on the Supply Chain and Supply Chain Management, new coverage of Performance-based Logistics, Life-Cycle Costing and the analysis of LCC and also coverage of new technologies and their applications such as EDI, IT, and E-Commerce.

