

1. Record Nr.	UNINA9910337650403321
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Titolo	Reliable, Secure and Resilient Logistics Networks : Delivering Products in a Risky Environment // by Lech Bukowski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-00850-9
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (281 pages)
Disciplina	658.7
Soggetti	Engineering economics Engineering economy Quality control Reliability Industrial safety Business logistics Engineering Economics, Organization, Logistics, Marketing Quality Control, Reliability, Safety and Risk Logistics Supply Chain Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Assessment knowledge about engineered networks -- Describing engineered networks -- Designing engineered networks for the risky environment -- Evaluation of logistic networks dependability -- a conceptual framework -- Application examples -- Conclusions and concluding considerations -- References -- Index.
Sommario/riassunto	This book synthesizes the current state of knowledge on logistics infrastructures and process modeling, especially for processes that are exposed to changing and uncertain environments. It then builds on this knowledge to present a new concept of dependable product delivery assurance. In order to quantitatively assess dependability, a service continuity oriented approach as well as an imperfect knowledge based concept of risk are employed. This approach is based on the methodology of service engineering and is closely related to the idea of

the resilient enterprise, as well as the concept of disruption-tolerant operation. The practical advantages of this concept are subsequently illustrated in three sample applications: a modified FMECA method, an expert system with fuzzy reasoning, and a simulation agent-based model of logistic network resilience. The book will benefit a broad readership, including: researchers, especially in systems science, management science and operations research; professionals, especially managers; project managers and analysts; and undergraduate, postgraduate and MBA students in engineering.
