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Autore	Cole, George Douglas Howard
Titolo	4.2 / G. D. H. Cole
Pubbl/distr/stampa	Bari, : Laterza, 1968
Descrizione fisica	566 p. ; 21 cm
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Note generali	Trad. di Luca Trevisani

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Autore	Jackson Brian A. <1972->
Titolo	Evaluating the reliability of emergency response systems for large-scale incident operations / / Brian A. Jackson, Kay Sullivan Faith, Henry H. Willis
Pubbl/distr/stampa	Santa Monica, CA, : RAND, 2010
ISBN	1-282-94038-4 9786612940385 0-8330-5014-1
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Descrizione fisica	1 online resource (226 p.)
Collana	RAND Corporation monograph series
Altri autori (Persone)	FaithKay Sullivan WillisHenry H
Disciplina	363.34/80684
Soggetti	Emergency management - United States - Evaluation Preparedness - Evaluation Incident command systems - United States Assistance in emergencies - United States Emergency communication systems - United States
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Nota di contenuto	Cover; Title Page; Copyright; Preface; Contents; Figures; Tables; Summary; Acknowledgments; Abbreviations; Chapter One - Introduction: Measurement and Emergency Preparedness; Chapter Two - Defining and Demonstrating Response Reliability Analysis; Chapter Three - Describing a Chlorine Release Scenario and Relevant Response Parameters; Chapter Four - A Simplified Model of an Emergency Response to a Chlorine Release; Chapter Five - Exploring What Can Go Wrong During a Chlorine Response Operation: Identifying Relevant Failure Modes Chapter Six - Assessing the Probability, Effects, and Severity of Failure Modes: An Exploratory Analysis Using Response After-Action ReportsChapter Seven - Concluding Observations; Appendixes; Bibliography; Back Cover
Sommario/riassunto	The ability to measure emergency preparedness - to predict the likely performance of emergency response systems in future events - is critical for policy analysis in homeland security. Yet it remains difficult to know how prepared a response system is to deal with large-scale incidents, whether it be a natural disaster, terrorist attack, or industrial or transportation accident. This research draws on the fields of systems analysis and engineering to apply the concept of system reliability to the evaluation of emergency response systems. The authors describe a method for modeling an emergency response system; identifying how individual parts of the system might fail; and assessing the likelihood of each failure and the severity of its effects on the overall response effort. The authors walk the reader through two applications of this method: a simplified example in which responders must deliver medical treatment to a certain number of people in a specified time window, and a more complex scenario involving the release of chlorine gas. The authors also describe an exploratory analysis in which they parsed a set of after-action reports describing real-world incidents, to demonstrate how this method can be used to quantitatively analyze data on past response performance. The authors conclude with a discussion of how this method of measuring emergency response system reliability could inform policy discussion of emergency preparedness, how system reliability might be improved, and the costs of doing so. --From publisher description.