

1. Record Nr.	UNINA9910811389203321
Autore	Delaney William P. <1933->
Titolo	Perspectives on defense systems analysis : the what, the why, and the who, but mostly the how of broad defense systems analysis / / William P. Delaney ; with Robert G. Atkins, Alan D. Bernard, Don M. Boroson, David J. Ebel, Aryeh Feder, Jack G. Fleischman, Michael P. Shatz, Robert Stein, and Stephen D. Weiner
Pubbl/distr/stampa	Cambridge, Massachusetts : , : MIT Press, , [2015] [Piscataqay, New Jersey] : , : IEEE Xplore, , [2015]
ISBN	0-262-33025-3
Descrizione fisica	1 PDF (xiii, 273 pages) : illustrations
Collana	MIT Lincoln Laboratory series
Disciplina	355.801/1
Soggetti	System analysis Military research - United States - Evaluation Military planning - United States - Methodology Technology and state - United States United States Defenses Evaluation Methodology United States Armed Forces Weapons systems Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	The Department of Defense and the military continually grapple with complex scientific, engineering, and technological problems. Defense systems analysis offers a way to reach a clearer understanding of how to approach and think about complex problems. It guides analysts in defining the question, capturing previous work in the area, assessing the principal issues, and understanding how they are linked. The goal of defense systems analysis is not necessarily to find a particular solution but to provide a roadmap to a solution, or an understanding of the relative value of alternative solutions. In this book, experts in the field--all of them with more than twenty years of experience--offer insights, advice, and concrete examples to guide practitioners in the art of defense systems analysis. The book describes general issues in systems analysis and analysis protocols in specific defense areas. It

offers a useful overview of the process, a discussion of different venues, and practical advice running a study and reporting its results. It discusses red teaming (the search for vulnerabilities that might be exploited by an adversary) and its complement, blue teaming (the search for solutions to known shortcomings). It describes real-world defense systems analysis for both traditional and nontraditional areas, including air defense and ballistic missile defense systems, bioterrorism defense, space warfare, and interplanetary communications. *Perspectives on Defense Systems Analysis* is a very readable resource for analysts and engineers in industry, government, and research.
