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Nota di contenuto	Cover; Preface; Contents; Figures; Tables; Summary; Acknowledgments; Abbreviations and Acronyms; Glossary of Terminology; Chapter One - Introduction; Objectives; Structure of This Monograph; Chapter Two - Background: The Capabilities-Development Process; Context: DoD's Capabilities-Development Process; Problems with the Current Process; Historical Successes in Capability Development; Past Recommendations and Recent Changes; Chapter Three - A Framework and a Generic Terms of Reference; What Should a Capability-Area Review Accomplish?; Elements of the Generic Analytic Process Chapter Four - Tools to Enable the FrameworkSystems Engineering, Modeling, Simulation, and Analysis,and Experiments; Capability Models; Generating and Screening Candidate Options; Portfolio-Analysis Tools; Tailoring Analysis for Different Contexts; Chapter Five - A Notional Example: Global Strike; Defining Global Strike; Defining a Parameterized Scenario Space for Global Strike; Defining CONOPS and Critical Componentsfor Global Strike; Identifying, Evaluating, and Comparing Global StrikeOptions; Summary Results for Cost-Effectiveness Comparisons; Illustrative Conclusions for Global Strike Chapter Six - A Second Example: Ballistic Missile Defense Defining Ballistic Missile Defense Missions; A Parameterized Scenario Space for BMD; CONOPS and Critical Components; Framework for Portfolio

Analysis; Shortfalls, Opportunities, and Surpluses for the BMD Program; Identifying, Evaluating, and Comparing BMD Options; Chapter Seven - Conclusions and Next Steps; Conclusions; Next Steps; Appendix A - Joint Capability Areas; Appendix B - Implications for Systems Engineering and Modeling and Simulation; Appendix C - RAND's Portfolio-Analysis Tools; End notes; Bibliography

Sommario/riassunto

This monograph presents and illustrates in some detail an analytical framework and methodology for defense wide capability-area reviews and describes new enabling tools to support capabilities analysis and related trade off work within the Department of Defense and the military Services. The Building Blocks to Composite Options Tool (BCOT) is used to generate and screen preliminary options, and the Portfolio-Analysis Tool (PAT) enables users to evaluate in a portfolio-analysis structure those options that pass screening. Variants of the methods can be applied for analysis across capability areas
