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Nota di contenuto	<p>""Statistical Methods for Testing and Evaluating Defense Systems"";  ""Copyright""; ""Contents""; ""Preface""; ""Executive Summary""; ""KEY ISSUES""; ""Experimental Design""; ""Testing of Software-Intensive Systems""; ""System Reliability, Availability, and Maintainability""; ""Use of Modeling and Simulation in Operational Testing""; ""TOPICS FOR FURTHER STUDY""; ""1 Introduction""; ""STUDY CONTEXT""; ""The Defense Acquisition Process""; ""Operational Testing as Part of the Acquisition Process""; ""PANEL OBJECTIVES""; ""STATISTICS AND INFORMATION MANAGEMENT IN DEFENSE TESTING""  ""Operational Testing of Complex Systems"" ""Overview""; ""A Continuum of Information Gathering""; ""Complex Testing Conditions""; ""Effects of Constrained Test Resources""; ""Testing and Evaluation in Nonmilitary Applications""; ""Conclusion""; ""THIS REPORT AND FUTURE WORK""; ""2 Use of Experimental Design in Operational Testing""; ""CASE STUDY #1: APACHE LONGBOW HELICOPTER""; ""Some Issues and Concerns""; ""Choice of Test Scenarios""; ""Uncertain Scoring Rules, Measurement Inefficiencies""; ""Testing Only Inside the Envelope?""; ""CASE STUDY #2: THE ATACMS/BAT SYSTEM""  ""Plans for Operational Testing"" ""Important Test Factors and Conditions""; ""Possible Statistical Methods and Aspects for Further</p>

Consideration"; "FUTURE WORK"; "3 Testing of Software-Intensive Systems"; "ROLE FOR STATISTICAL METHODS"; "ACTIVITIES TO DATE"; "FUTURE WORK"; "4 System Reliability, Availability, and Maintainability"; "RELIABILITY, AVAILABILITY, AND MAINTAINABILITY TESTING AND EVALUATION IN THE MILITARY SERVICES"; "VARIABILITY IN RELIABILITY, AVAILABILITY, AND MAINTAINABILITY POLICY AND PRACTICE"; "INDUSTRIAL (NONMILITARY) STANDARDS"; "FUTURE WORK"

"5 Use of Modeling and Simulation in Operational Testing" "SCOPE, PROCEDURES, AND PROGRESS TO DATE"; "CONCERNS"; "Rigorous Validation of Simulations Is Infrequent"; "Little Evidence Is Seen for Use of Statistical Methods in Simulations"; "DoD Literature on Use of Simulations Often Lacks Statistical Content"; "Distributed Interactive Simulation Raises Additional Concerns"; "Simulations Cannot Identify the Unknown Unknowns?"; "FUTURE WORK"; "6 Efforts Toward a Taxonomic Structure of DoD Systems for Operational Testing"; "PRELIMINARY WORK TOWARD A TAXONOMIC STRUCTURE"

"FUTURE WORK" "Appendices"; "APPENDIX A"; "The Organizational Structure of Defense Acquisition"; "APPENDIX B"; "A Short History of Experimental Design, with Commentary for Operational Testing"; "THE VALUE OF CONTROLS, BLOCKING, AND RANDOMIZATION"; "VARYING MORE THAN ONE FACTOR AT A TIME"; "OPTIMAL EXPERIMENTAL DESIGNS"; "RESPONSE SURFACE DESIGNS"; "BAYESIAN AND SEQUENTIAL EXPERIMENTAL DESIGNS"; "APPENDIX C"; "Selecting a Small Number of Operational Test Environments"; "DUBIN'S CHALLENGE AS A SAMPLING PROBLEM"; "AN APPROACH TO MODELING THE SCENARIO STRUCTURE"

"ISSUES AND ALTERNATIVES"

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