

1. Record Nr.	UNINA9910961837003321
Titolo	Reliability issues for DoD systems : report of a workshop / / Committee on National Statistics, Francisco Samaniego and Michael Cohen, editors
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2002
ISBN	0-309-16880-5 1-280-18310-1 9786610183104 0-309-50515-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (ix, 94 pages)
Altri autori (Persone)	SamaniegoFrancisco CohenMichael L
Disciplina	355.6/212/0973
Soggetti	Reliability (Engineering) - Statistical methods Computer programs - Reliability United States Armed Forces Weapons systems Testing Statistical methods United States Armed Forces Procurement United States Armed Forces Supplies and stores
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Division of Behavioral and Social Sciences and Education, National Research Council of the National Academies."
Nota di bibliografia	Includes bibliographical references (p. 79-82) and index.
Nota di contenuto	Front Matter Preface and Acknowledgments Contents1 Introduction and Overview 2 The Measurement and Management of Reliability Growth 3 Current Research in Reliability Modeling and Inference 4 Further Discussion and Next Steps References Appendix WORKSHOP AGENDA AND PARTICIPANTS Index
Sommario/riassunto	The final report of the National Research Council's (NRC) Panel on Statistical Methods for Testing and Evaluating Defense Systems (National Research Council, 1998) was intended to provide broad advice to the U.S. Department of Defense (DoD) on current statistical methods and principles that could be applied to the developmental and operational testing and evaluation of defense systems. To that end, the report contained chapters on the use of testing as a tool of system development; current methods of experimental design; evaluation

methods; methods for testing and assessing reliability, availability, and maintainability; software development and testing; and validation of modeling and simulation for use in operational test and evaluation. While the examination of such a wide variety of topics was useful in helping DoD understand the breadth of problems for which statistical methods could be applied and providing direction as to how the methods currently used could be improved, there was, quite naturally, a lack of detail in each area. To address the need for further detail, two DoD agencies-the Office of the Director of Operational Test and Evaluation and the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics-asked the NRC's Committee on National Statistics to initiate a series of workshops on statistical issues relevant to defense acquisition. The aim of each workshop is to inform DoD about the methods that represent the statistical state of the art and, through interactions of the statistical and defense communities, explore their relevance for DoD application.
