1. Record Nr. UNINA9910143216703321 Autore Levin Mark <1959-> Titolo Improving product reliability [[electronic resource]]: strategies and implementation / / Mark A. Levin and Ted T. Kalal Chichester, England;; New York,: Wiley, c2003 Pubbl/distr/stampa **ISBN** 1-280-27192-2 9786610271924 0-470-34041-X 0-470-86449-4 0-470-01402-4 Descrizione fisica 1 online resource (343 p.) Collana Wiley series in quality and reliability engineering Altri autori (Persone) KalalTed T 658.5/6 Disciplina 658.56 Soggetti Reliability (Engineering) Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Improving Product Reliability; Contents; About the Authors; Series Foreword: Foreword: Preface: List of Acronyms: Acknowledgements: PART I Reliability - It's a Matter of Survival; 1 Competing in the Twentyfirst Century; 1.1 Gaining competitive advantage; 1.2 Competing in the next decade - winners will compete on reliability; 1.3 Concurrent engineering; 1.4 Reducing the number of Engineering Change Orders (ECOs) at product release; 1.5 Time-to-market advantage; 1.6 Accelerating product development: 1.7 Identifying and managing risks: 1.8 ICM, a process to mitigate risk; Reference 2 Barriers to Implementing Reliability2.1 Lack of understanding; 2.2 Internal barriers; 2.3 Implementing change and change agents; 2.4 Building credibility; 2.5 Perceived external barriers; 2.6 It takes time to gain acceptance; 2.7 External barrier; 3 Understanding Why Products Fail; 3.1 Why things fail; 3.2 Parts have improved, everyone can build quality products: 3.3 Reliability - a twenty-first century paradigm shift: References; 4 Alternative Approaches to Implementing Reliability; 4.1

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Sommario/riassunto

The design and manufacture of reliable products is a major challenge for engineers and managers. This book arms technical managers and engineers with the tools to compete effectively through the design and production of reliable technology products.