1. Record Nr. UNINA9911018883403321 Autore Raheja Dev Titolo Assurance technologies: principles and practices: a product, process, and system safety perspective / / Dev G. Raheja, Michael Allocco Hoboken, N.J., : Wiley-Interscience, c2006 Pubbl/distr/stampa **ISBN** 9786610549795 9781280549793 1280549793 9780470009420 047000942X 9780470009413 0470009411 Edizione [2nd ed.] 1 online resource (494 p.) Descrizione fisica Altri autori (Persone) AlloccoMichael Disciplina 658.5/62 Soggetti Quality assurance Industrial design Reliability (Engineering) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ASSURANCE TECHNOLOGIES PRINCIPLES AND PRACTICES: CONTENTS: Nota di contenuto PREFACE; CHAPTER 1 ASSURANCE TECHNOLOGIES, PROFITS, AND MANAGING SAFETY-RELATED RISKS; 1.1 Introduction; 1.2 Cheaper, Better, and Faster Products; 1.3 What Is System Assurance?; 1.4 Key Management Responsibilities; 1.4.1 Integration; 1.4.2 Budget Consistent with Objectives; 1.4.3 Managing Risk; 1.4.3.1 Managing Safety-Related Risk; 1.4.3.2 Risk Assessment; 1.4.3.3 Risk Types; 1.4.3.4 Risk Terms; 1.4.3.5 Risk Knowledge; 1.5 Is System Assurance a

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Sommario/riassunto

The Second Edition features new content, examples,methods, techniques, and best practices Assurance Technologies Principles and Practices is based on the assertion that safety is not a cost, but an excellent investment. According to the authors, more than sixty percent of problems in complex systems arise from incomplete, vague, and poorly written specifications. In keeping with the authors' passion for safety, the text is dedicated to uniting the gamut of disciplines that are essential for effective design applying assurance technology principles, including system safety, reli