1. Record Nr. UNINA9910815663603321 Autore Tang He (Herman) Titolo Quality planning and assurance: principles, approaches, and methods for product and service development / / Herman Tang Hoboken, New Jersey: ,: John Wiley & Sons, Incorporated, , [2022] Pubbl/distr/stampa ©2022 **ISBN** 1-119-81928-8 1-119-81930-X 1-119-81929-6 Descrizione fisica 1 online resource (387 pages) 658.562 Disciplina Soggetti Quality control Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Intro -- Title page -- Copyright -- Forewords -- Foreword -- Preface -- Acknowledgments -- About the Author -- 1 Introduction to Quality Planning -- 1.1 Quality Definitions -- 1.1.1 Meaning of Quality -- 1.1.2 End-customer Centricity -- 1.1.3 Dimensions of Product and Service Quality -- 1.1.4 Discussion of Service Quality -- 1.2 Quality System --1.2.1 Quality Management System -- 1.2.2 Discussion of QMS -- 1.2.3 Quality Target Setting -- 1.2.4 Cost of Quality -- 1.3 Quality Planning -- 1.3.1 Planning Process Overview -- 1.3.2 Considerations in Quality Planning -- 1.3.3 Quality-planning Guideline (APQP) -- 1.3.4 Service Quality Planning -- Summary -- Exercises -- References -- 2 Strategy Development for Quality -- 2.1 Strategic Management -- 2.1.1 Overview of Strategic Management -- 2.1.2 Hoshin Planning Management -- 2.1.3 Implementation Considerations -- 2.2 Risk Management and Analysis -- 2.2.1 Risk Management Overview -- 2.2.2 Risks and Treatments -- 2.2.3 Risk Evaluation -- 2.2.4 Event Tree, Fault Tree, and Bowtie Analysis -- 2.3 Pull and Push Strategies -- 2.3.1 Pull or Push -- 2.3.2 Innovation-push -- 2.3.3 Challenges to Pull and Push -- Summary -- Exercises -- References -- 3 Customer-centric Planning -- 3.1 Goal: Design for Customer -- 3.1.1 Customer-driven

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Sommario/riassunto

"Quality planning has been a fundamental industrial practice for several decades, yet there are few comprehensive quality planning textbooks dedicated to the understanding of this subject at the undergraduate and graduate levels. In the quality field, professionals often consider

Toyota as a role model for best practices. While one can learn Toyota quality for its principles, its specific practices are not necessarily applicable for every situation. In The Toyota Way to Service Excellence, Dr. Liker and Ross stated, "the Toyota Way training was designed to teach principles rather than specific methodology" (p.32). Similarly, this book focuses on the fundamental principles of quality planning, and extrapolates on their applications in various industries throughout each chapter. For current and future quality professionals, you can start learning these principles, with supporting application examples in this book, and later apply them towards your unique applications. Like one of my students said, "What I enjoyed most about this course was taking the information learned in this course and being able to utilize it within the industry that I currently work in.""--