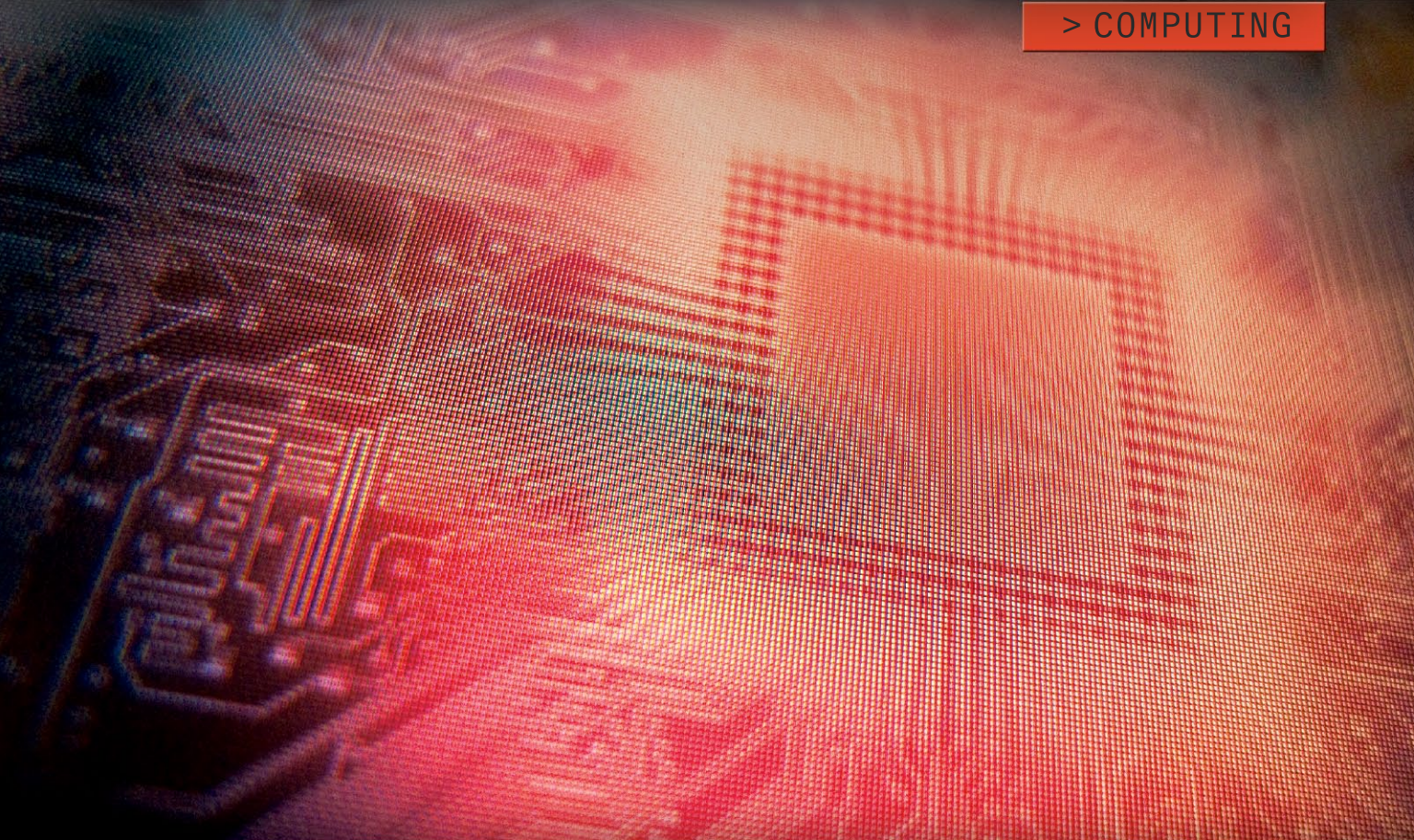


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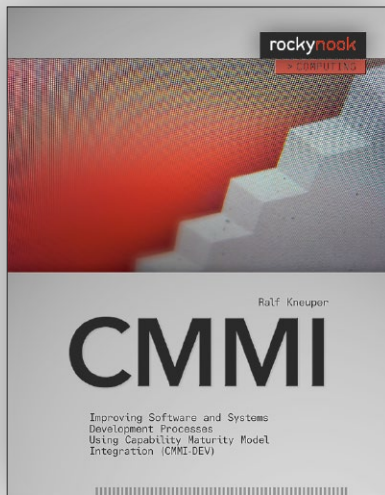
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2009





Ralf Kneuper

CMMI

Improving Software and Systems Development Processes Using Capability Maturity Model Integration (CMMI-DEV)

CMMI is a well-known and standardized model for assessing and improving software and systems development processes. It can be used to guide process improvement across a project, a division, or an entire organization. CMMI was developed at the Carnegie Mellon Software Engineering Institute (SEI). The current version, 1.2, was published in 2006 and is being adopted worldwide.

This book provides hands-on experience and will help the reader to gain an understanding of CMMI. It is an introduction to the model and its fundamental ideas. Through numerous examples, it helps the reader to get started with CMMI and to understand the interrelationship among model components (practices, goals, and process areas).

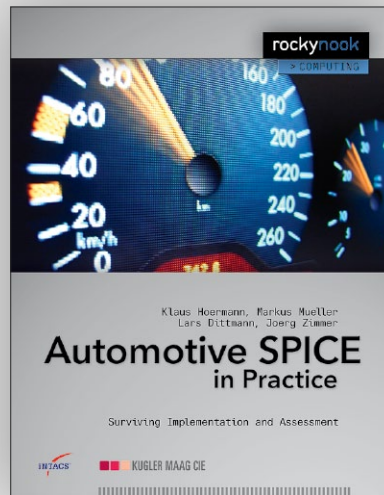
The book covers the following topics:

- Model-based process improvement
- Overview of CMMI components
- History of CMMI and comparison to CMM
- Process areas of CMMI models
- Application, potential, and limitations

December 2008, 224 pages

978-1-933952-28-4

US \$ 44.95, CAN \$ 44.95



Klaus Hoermann, Markus Mueller,
Lars Dittmann, Joerg Zimmer

Automotive SPICE in Practice

Surviving Implementation and Assessment

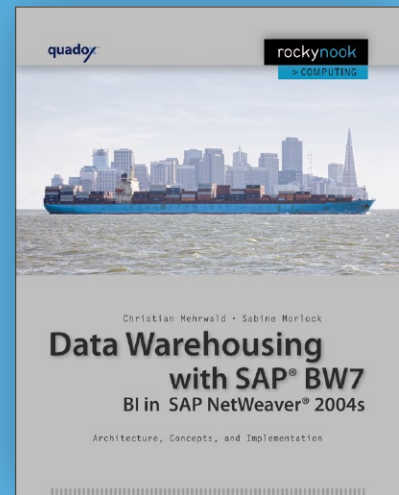
Automotive SPICE is a framework for designing and assessing software development processes. It has been derived from the ISO/IEC 15504 standard, also known as SPICE and has been developed under the Automotive SPICE initiative by the consensus of several major car manufacturers such as Audi, BMW, Ford, Fiat, Daimler, Porsche, Volkswagen, and Volvo. Today, Automotive SPICE has become a standard in the international automotive industry.

This book is written as a guide to help the reader understand and interpret the requirements of this standard and to implement Automotive SPICE in a real world application environment. It is written for engineers, practitioners, managers and project managers who need practical guidance in applying or implementing the Automotive SPICE framework in their company and for any assessor looking for clear, consistent, and constructive rating guidelines.

July 2008, 310 pages

978-1-933952-29-1

US \$ 54.95, CAN \$ 54.95



Christian Mehrwald, Sabine Morlock

Data Warehousing with SAP® BW7 BI in SAP Netweaver® 2004s

Architecture, Concepts, and Implementation

The Business Information Warehouse (BW7) has been completely revised by SAP with its latest release.

The book focuses on the core tasks—functions for extraction, transformation and data management—of SAP BW and gives well-founded insights into the system architecture. As practical handbook and well-structured reference book, it is for SAP consultants and IT staff that are responsible for or planning a BW-based data warehouse implementation.

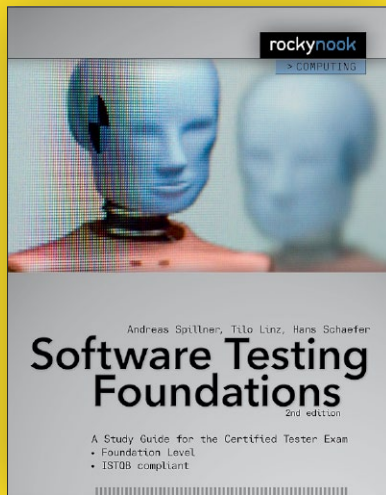
Apart from system architecture, the book focuses on detailed descriptions of data management (data models and Analytical Engine) as well as the Staging Engine which have been completely revised and deal with new data transfer process technology.

The book emphasizes a comprehensive view on aspects to manageability and system performance which are discussed in individual chapters but also implicitly in all other ranges of topics.

March 2009, 832 pages

978-1-933952-40-6

US \$ 89.95, CAN \$ 89.95



Andreas Spillner, Tilo Linz,
Hans Schaefer

Software Testing Foundations

A Study Guide for the
Certified Tester Exam
2nd Edition

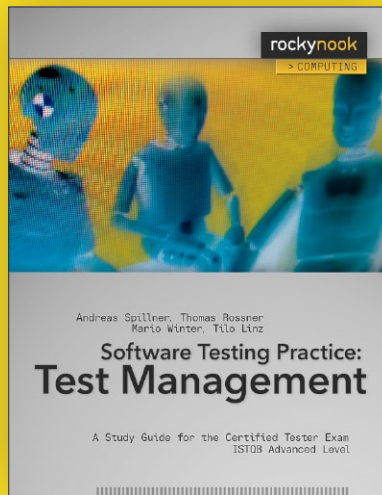
Professional testing of software has become an increasingly important task, which requires a profound knowledge of testing techniques.

The International Software Testing Qualifications Board (ISTQB) has developed a universally accepted, international qualification scheme, aimed at software and system testing professionals, and has created the Syllabi and Tests for the "Certified Tester".

This book covers the "Foundations Level" (i.e., entry level), and teaches the most important methods of software testing. It is designed for self-study and provides the necessary knowledge to pass the "Certified Tester - Foundations Level" exam as defined by the ISTQB.

It also covers more recent topics, such as test-first approach and risk-based testing.

January 2007, 288 pages
978-1-933952-08-6
US \$ 44.95, CAN \$ 58.95



Andreas Spillner, Tilo Linz,
Thomas Rossner, Mario Winter

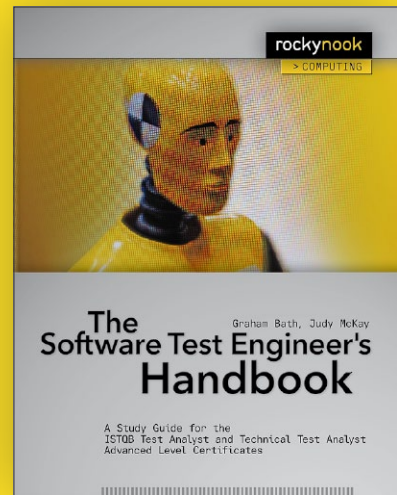
The Software Testing Process: Test Management

A Study Guide for the
Certified Tester Exam -
ISTQB Advanced Level

Aimed at software developers, project managers, quality managers, team leaders, or anyone wanting to become a true testing professional, *The Software Testing Process: Test Management* addresses the major issues related to advanced, state-of-the-art test management. This book covers the syllabus required to pass the Certified Tester Examination - Advanced Level as defined by the International Software Testing Qualifications Board (ISTQB).

Included are best practices in the field of testing, as well as detailed descriptions of involved tasks, roles, and responsibilities. Well suited for self-study, the reader is "taken by the hand" and guided through the key concepts and terminology of software testing in a variety of scenarios and case studies (as featured in the first book in this series, *Software Testing Foundations*).

August 2007, 344 pages
978-1-933952-13-0
US \$ 44.95, CAN \$ 53.95



Graham Bath, Judy McKay

The Software Test Engineer's Handbook

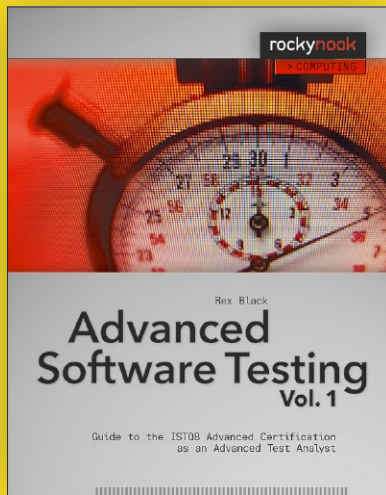
A Study Guide for the ISTQB Test Analyst
and Technical Test Analyst
Advanced Level Certificates

There are a lot of books around covering functional testing techniques, but relatively few cover both functional and technical testing. This book will fill that gap. Authors Graham Bath and Judy McKay are core members of the ISTQB Working Party that created the new advanced level syllabus, which will be rolled out worldwide this year.

This book brings both functional and technical aspects of testing into a coherent whole, which will benefit not only test analysts/engineers but also test managers. Based on the "Certified Tester" Advanced-Level syllabus issued by the ISTQB in 2007, the book covers everything you will need to know to successfully sit the examinations for Test Analyst and Technical Test Analyst.

For those planning to take one or both of these exams, the book provides a solid base for preparation and clearly indicates which sections apply to which specific examination.

June 2008, 416 pages
978-1-933952-24-6
US \$ 49.95, CAN \$ 49.95



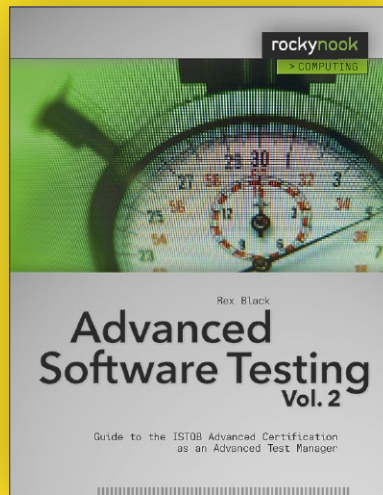
Rex Black

Advanced Software Testing Volume 1

Guide to the ISTQB Advanced Certification as an Advanced Test Analyst

This book is written for the test analyst who wants to achieve advanced skills in test analysis, design, and execution. With a hands-on, exercise-rich approach, this book teaches you how to define and carry out the tasks required to put a test strategy into action. Learn how to analyze the system, taking into account the user's quality expectations. Additionally, learn how to evaluate system requirements as part of formal and informal reviews, using an understanding of the business domain to determine requirement validity. You will be able to analyze, design, implement, and execute tests, using risk considerations to determine the appropriate effort and priority for tests. You will learn how to report on testing progress and provide necessary evidence to support your evaluations of system quality.

October 2008, 488 pages
978-1-933952-19-2
US \$ 49.95, CAN \$ 49.95



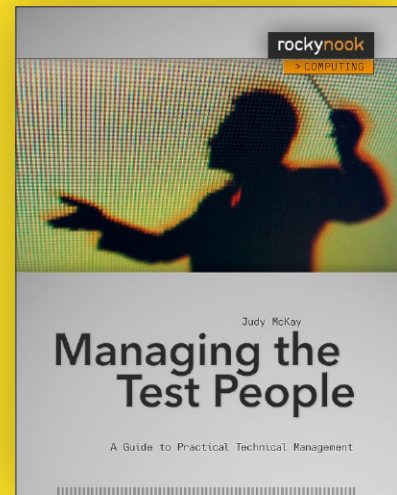
Rex Black

Advanced Software Testing Volume 2

Guide to the ISTQB Advanced Certification as an Advanced Test Manager

This book teaches test managers what they need to know to achieve advanced skills in test estimation, test planning, test monitoring, and test control. Readers will learn how to define the overall testing goals and strategies for the systems being tested. This hands-on, exercise-rich book provides experience with planning, scheduling, and tracking these tasks. You'll be able to describe and organize the necessary activities as well as learn to select, acquire, and assign adequate resources for testing tasks. Learn how to form, organize, and lead testing teams. Master the organizing of communication among the members of the testing teams, and between the testing teams and all the other stakeholders. Additionally, you'll learn how to justify decisions and provide adequate reporting information where applicable.

December 2008, 570 pages
978-1-933952-36-9
US \$ 54.95, CAN \$ 54.95



Judy McKay

Managing the Test People

A Guide to Practical Technical Management

Managing the Test People was written for managers, leads, and people who may soon find themselves in a technical leadership position. It focuses on some of the unique problems in the software quality assurance profession, yet the bulk of the book is applicable to any technical management job. It provides practical advice for the novice and affirmation for the expert. It contains real world stories illustrating the concepts discussed in the text.

This book is written from a practitioner's viewpoint - the author has been in software management for over 20 years. *Managing the Test People* is about the real world where there are real problems and real people, and it provides viable solutions that can actually be implemented.

April 2007, 200 pages
978-1-933952-12-3
US \$ 39.95, CAN \$ 51.95

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