

Effective Requirements Practices

“Ralph Young has written an excellent guide for those who must understand and manage their customer’s requirements. And that means just about everyone in the systems and software world.”

—Roger Pressman

Requirements analysis and management is finally receiving the attention it deserves as a key factor in the success of systems and software development projects.

And with this new attention comes a pragmatic guide to proven industry practices for emerging and fulfilling customer requirements. More than just an idealized view of the topic, *Effective Requirements Practices* addresses both managerial and technical issues that determine the success—or failure—of a project. The requirements practices described in this book enable you to redirect resources to satisfy customers’ *real* business needs. Together, these practices provide a proven framework and process that help keep projects on the right track and ensure that requirements are addressed properly throughout a project’s life cycle.

This book demonstrates proven methods and techniques. Topics covered include:

- Strategies and methods for getting to the “real” customer requirements
- Developing and improving a requirements process
- The roles and responsibilities of the *Joint Team* for requirements elicitation
- Designing system requirements with the system architecture in mind
- Maintaining effective communication among team members
- Maintaining a set of work products
- Requirements verification and validation
- Accommodating changes in requirements throughout the project
- How the recommended requirements practices utilize the Capability Maturity Model (CMM) framework
- Achieving an environment of continuous improvement and mutual support of one another

Also provided is a sample process that has been used in industry and deployed and tailored on dozens of projects. In addition, *Effective Requirements Practices* offers you recommendations for incorporating industry best practices into the development effort.

You will come away from this book well equipped to better satisfy your customers’ needs.



Ralph R. Young is the Director of Software Engineering, Systems and Process Engineering, at Litton PRC, Inc., a leading provider of information technology and systems-based solutions. Litton PRC, Inc. is also a CMM Level 5 organization. Dr. Young is an avid reader of the industry literature. He leads PRC’s Requirements Working Group of requirements engineers. He teaches the 10-hour PRC “Requirements Course for Practitioners” and consults frequently about both requirements engineering and process improvement for PRC’s customers. He has been awarded PRC’s Teamwork, Leadership, and Continuous Improvement Awards and is often recognized for his contributions in process management and improvement.

<http://www.awl.com/cseng/series/it>

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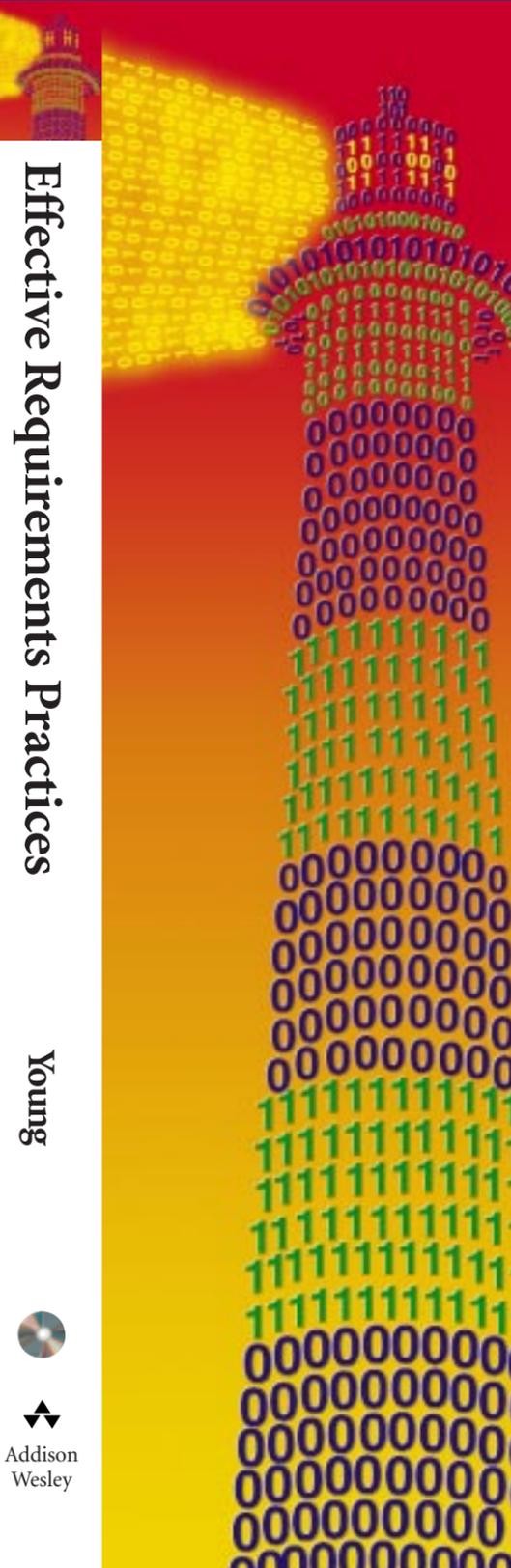
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Foreword by Roger S. Pressman