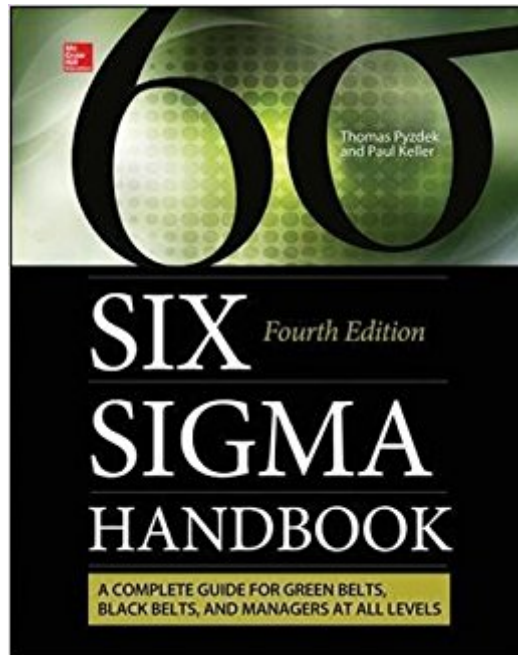




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The Six Sigma Handbook, Fourth Edition (Mechanical Engineering)



Synopsis

The most complete, current guide to Six Sigma—“Best practices in Six Sigma are continuously evolving, just as Six Sigma itself evolved from earlier best practices in quality improvement. This fourth edition... (features) expanded materials on innovation, strategic development, Lean, and constraint management. You’ll notice many references to free online materials within the text, such as Excel file templates that can be used for analyzing projects, or videos that provide an in-depth narrative on specific topics. Additional links will be added over time to further extend the learning potential offered by the text, so be sure to regularly check back into the online site at <https://www.mhprofessionalresources.com/sites/ssh4/>.”

From the Preface by Paul Keller
The Six Sigma approach is being used to vastly improve processes, profitability, sustainability, and long-term growth at global organizations of all sizes. Fully revised for the latest developments in the field, *The Six Sigma Handbook, Fourth Edition*, reveals how to successfully implement this improvement strategy in your company. The book explains how to define and deploy Six Sigma projects focused on key stakeholder requirements and carry out data-driven management. This comprehensive resource walks you through the phases of DMAIC and DMADV and demonstrates how to use the statistical tools and problem-solving techniques of Six Sigma with screenshots of Minitab and Excel applications. The new edition has been updated to include:

- Two online quizzes for Six Sigma certification, one for Green Belt candidates and one for Black Belt candidates
- Links to five videos that walk you through specific processes, such as Minitab functions, statistical process control, and how to read a Pareto chart
- Fully incorporated coverage of Lean methodologies

Find out how to select the right personnel to train, achieve technical proficiency, build the best teams, and foster effective leadership. Improve the quality of processes and products in your organization, increase customer satisfaction, and boost profits with help from this definitive guide to Six Sigma. Written by two of the foremost authorities on the subject, this authoritative resource delivers all of the guidance you need to successfully implement Six Sigma.

Comprehensive coverage includes:

- Building the responsive Six Sigma organization
- Recognizing and capitalizing on opportunity
- Data-driven management
- Maximizing resources
- Project management using DMAIC and DMADV
- The define phase
- The measure phase
- Process behavior charts
- Measurement systems evaluation
- The analyze phase
- The improve/design phase
- The control/verify phase

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Customer Reviews

Thomas Pyzdek holds more than 50 copyrights including The Six Sigma Handbook, The Quality Engineering Handbook and The Handbook of Quality Management. His works are used by thousands of universities and organizations around the world to teach process excellence. He offers online training and certification in Six Sigma, Lean and Lean Six Sigma. Pyzdek has provided training and consulting to employers and clients in all industries since 1967. He provides consulting guidance from the executive suite to "Belts" working in the trenches. Pyzdek is a Fellow of ASQ and recipient of the ASQ Edward S. Medal and the Simon Collier Quality Award, both for outstanding contributions to the field of quality management, and the ASQ E.L. Grant Medal for outstanding contributions to Quality Education. Pyzdek serves on numerous editorial boards, including The Quality Management Journal, Quality Engineering, and International Journal of Six Sigma and Competitive Advantage. Paul Keller is President of Quality America, Inc., where he works with clients to successfully implement quality improvement concepts and techniques across a full spectrum of manufacturing and service sectors. His online courses and training materials are available through select colleges and universities worldwide, as well as through Quality America's website. In addition to a number of published articles in quality improvement, Keller has authored Six Sigma Demystified (McGraw-Hill, 2005) and Statistical Process Control Demystified (McGraw-Hill, 2011), and co-authored (with Pyzdek) The Handbook for Quality Management, Second Edition (McGraw-Hill, 2011) and the third and fourth editions of The

Six Sigma Handbook.

I purchased this book as study material for my IASSC Green Belt exam. The methods and techniques in this book are fairly standard and I found only minor differences between it and the outlined curriculum for IASSC. The first few chapters are slow but I believe important. Strictly speaking, however, I think you might skip ahead to the "Define" chapter without too much harm. Even after achieving my certification, I have frequently referenced sections of this book as a six sigma practitioner. It has pride of place on my desk beside my laptop because it plays a vital role in my daily work. Further, the bibliography provides a well-curated list of further reading. This text has been a gateway to professional development. I couldn't recommend it more highly.

I haven't quite finished this book yet, but it's much more interesting and easy to read than I expected! I hope that this will prepare me well for certification in the near future. I would definitely recommend the book for reading and reference.

Six Sigma Handbook, Fourth Edition (ENHANCED EBOOK) (Mechanical Engineering) Great textbook for Six Sigma, and a great thing to learn. It will help you raise your income. Look into it if you haven't already

I don't have words to describe how well this book has been put together. An excellent guide on how an organization needs to be run in order to truly satisfy all its stakeholders.

Online content at [...] appears to be no longer available.

The book was in very good condition. And it is sufficiently legible for my studies and for my library. Only a few graphs and Figs in the books were slightly blurry and I had to squint my eyes a bit to read what was in them, because of the poor contrast between grey and black colours in them.

Excellent service and product. If there is one negative regarding the book is that the foreign printed book used slightly thinner and cheaper paper. My book is about 10% - 15% thinner than a domestic book. The cost though is significantly lower.

A lot better than holding a heavy book! The enhanced Ebook has some nice videos that are helpful

understanding the topics!

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