

The Certified Quality Engineer Handbook 2nd edition, Roger W. Berger, Donald W. Benbow, Ahmad K. Elshennawy, H. Fred Walker, ASQ Quality Press, Milwaukee, Madison, 2007, ISBN 13:978-0-87389-700-6, 574pp., \$59.99.

As a handbook, It provides a comprehensive and most up to date materials cover the Body of Knowledge (2006 CQE BOK) that required in the ASQ Certified Quality Engineer Examination. In the accompanied CD, it also provided sample CQE test problems and simulated tests.

As emphasized in the preface, this book can be served both as the text book and a reference book. When it is used as the text book, one can learn the most recent knowledge in the field of quality engineering. And the materials coverage is comprehensive enough to serve as the reference.

This new edition tried to additionally fill the needs in communication, problem solving tools, introducing lean six sigma concepts, new ISO 9000 standards, and examples of how tools are applied to quality problems. The efforts are not a total success. The problem is that although, these efforts can be visible in the covered materials, the depth and the scope of the coverage is meager.

From the new revised levels of cognition for the BOK of Certified Quality Engineering, the majority of the material may stay only at the level 1 of "Remember" (see note 1 for the six levels of cognitions). The materials provides in the book is barely scratch the surfaces, certainly it serves to remember the subject covered, but there is no discussion that adequate to improve the understanding, and how the techniques being applied, lest say the readers can based on this book alone to elevate the knowledge to the level 4 or above.

My recommendation for this book is that if you are a beginner in the field of quality and curious of what the quality engineering needs to know, this will be a good reference. Other than that, you may require the other books to enhance your comprehensions on any subject described in this book.

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Note 1: 6 levels of cognition in the BOK

1. Remember, 2. Understand, 3. Apply, 4. Analyze 5. Evaluate 6. Create