

CORRECTIONS AND CLARIFICATIONS

(including Typos)

for the book

Engineering Ethics and Design for Product Safety

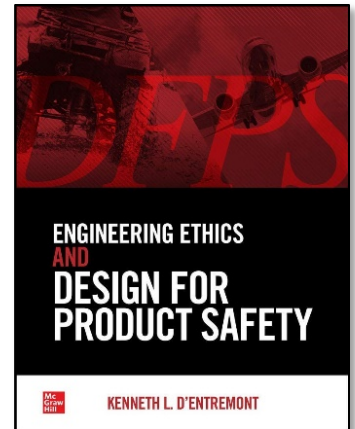
by

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DesignForProductSafety.com

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Preface

- Page xi, introductory quote and footnote 2
 - Footnote 1 of the frontmatter appears on unnumbered page v
- Page xiv, third line from bottom
 - "...[O]nly nominal risks to uses users."
- Page xviii, fourteenth line
 - Should read "Jeffrey P. Rosenbluth, M.D., and Tetradapt..."

Acknowledgments

N/A

Chapter 0: Notice

- Page 1, eight line from bottom
 - "...[C]oncept or tool method."

Chapter 1: Introduction

- Page 7, seventeenth line on page
 - "...[A]ccident scenarios are often not be written down..."
- Page 7, twenty-third line on page
 - "...[A]nd other safety risks s along with..."

Chapter 2: Product Safety

- Page 23, ninth line of "Example 2.2: Health versus Safety"

- “present hazards risks from...”
 - Page 30, eleventh line of “Example 2.3: Compliance versus Safety”
 - This line should be formatted as flush left, not indented.
 - Page 35, third line of third paragraph
 - “...[B]icycles since ~~that~~ they are rather impractical...”
 - Page 38, second line of §2.8 “History and Safety”
 - “[O]nce considered safe may no longer be considered so.”
 - Page 39, eleventh line
 - ...[B]ook helped ~~led~~ lead to the creations...”
-

Chapter 3: Engineering Ethics

- Page 69, nineteenth line on page
 - “An engineering-ethics model was provided showing the that some of the directed...”
-

Chapter 4: Product-Safety Concepts

- Page 99, footnote 13, second line
 - “...an inexpensive electronic device attaching...”
 - Page 101, second line of text
 - “Some ~~designs~~ designers and regulators...”
 - Page 102, eighth line from last
 - “...or agile fingers...”
-

Chapter 5: Hazards, Risks, Accidents, and Outcomes

- Page 135, last portion of Table 5.1 on top of page
 - Should *not* be shaded.
- Page 146, fourth paragraph, fourth line
 - “...The long, ~~tubular~~ cylindrical element...”
- Page 152, insert the two NEW figures below to complete the risk-analysis exercise

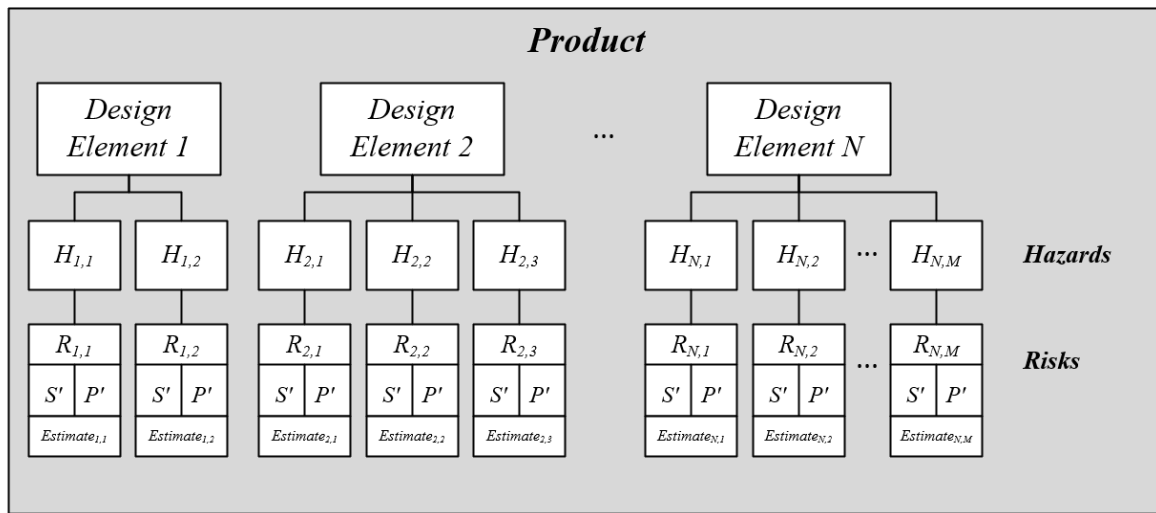


Figure 5.9.1. Product Design Element, Hazard, Risk Model, and Risk Estimate Model.

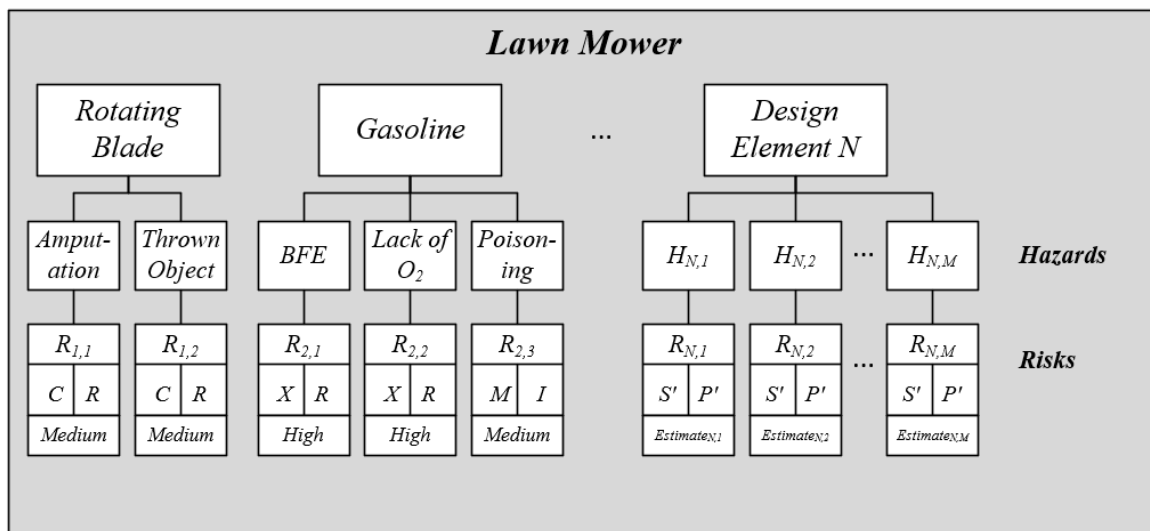


Figure 5.10.1. Product Design Element, Hazard, Risk, and Risk Estimate Model for Lawn Mower.

Chapter 6: A Product-Design Process

N/A

Chapter 7: Product-Safety Engineering

- Page 189, Figure 7.1
 - Box should say “Purchasing and qQuality departments”

Chapter 8: Engineering-Design Guidance

N/A

Chapter 9: Product-Safety Facilitators

- Page 233, Figure 9.3
 - Should say: “Black background (rectangle)
Red background (oval)”
- Page 247, Figure 9.9
 - Should be titled “Section safety message from ANSI ~~Z5335.6~~ Z535.6”
- Page 255, third paragraph beginning “The following case study...”
 - Should *not* be shaded
- Page 263, next to last line in footnotes
 - Should read “...there is but one proper ~~reaction~~ response—a self-injection...”
- Page 266–268, from second paragraph beginning “The first case study of innovative facilitators...” and continuing on to §9.10
 - Should *not* be shaded
- Page 269, third line from the bottom of page
 - “However, it is hoped that ~~readers~~ engineers instead take...”

Chapter 10: Product-Safety Engineering Methods

- Page 307, footnote 16
 - Should read “...and a misuse in kind for the brake-wear indicator and a misuse in magnitude for the brake-pad material.”

Chapter 11: Product-Safety Defects and Recalls

- Page 338, end of second full paragraph
 - Should read “...in nature (Simons and Chabris 1999) (Laney and Loftus 2010).”
- Page 344, §11.4.1 “Manufacturing Defect,” ninth line
 - Should read “Use of the incorrect material when the correct material was specified”
- Page 378, §11.11 “The Making of a Product-Safety Recall Decision”
 - Numerous references missing due to editing/re-editing process
 - See references below
- Page 380, eighth line
 - “...(Kramer 1998; Turner and Pratkanis 1998; ~~Barron~~ Baron 2005).”
- Page 385, seventh line of §11.12 “Conclusion”
 - Should say “...performance program as well as a work environment...”
- Page 386, thirteenth line of third full paragraph should start:

- ...the product-safety recall process...”
- Page 390, References
 - Add the following references:
 - 't Hart, Paul. 1991. “Irving L. Janis’ Victims of Groupthink.” *Political Psychology* 12 (2): 247–78. <https://doi.org/10.2307/3791464>.
 - Baron, Robert S. 2005. “So Right It’s Wrong: Groupthink and the Ubiquitous Nature of Polarized Group Decision Making.” *Advances in Experimental Social Psychology* 37: 219–53. [https://doi.org/https://doi.org/10.1016/S0065-2601\(05\)37004-3](https://doi.org/https://doi.org/10.1016/S0065-2601(05)37004-3).
 - Griffin, Emory A. 1991. *Groupthink of Irving Janis. A First Look at Communication Theory*. New York, NY, USA: McGraw-Hill.
 - Janis, Irving L. 1972. *Victims of GroupThink: A Psychological Study of Foreign-Policy Decisions and Fiascoes*. Boston, MA, USA: Houghton Mifflin.
 - ———. 1982. *Groupthink: Psychological Studies of Policy Decisions and Fiascoes*. Second. Boston, MA, USA: Wadsworth, Cengage Learning.
 - Kramer, Roderick M. 1998. “Revisiting the Bay of Pigs and Vietnam Decisions 25 Years Later: How Well Has the Groupthink Hypothesis Stood the Test of Time?” *Organizational Behavior and Human Decision Processes* 73 (2–3): 236–71. <https://doi.org/https://doi.org/10.1006/obhd.1998.2762>.
 - McDonald, Allan J., and James R. Hansen. 2012. *Truth, Lies, and O-Rings: Inside the Space Shuttle Challenger Disaster*. Gainesville, FL: University Press of Florida.
 - Neves, Hali, William Brazile, and David P. Gilkey. 2018. “ATVs and Agriculture: A Review of the Literature.” *ACTA Scientific Agriculture* 2 (10): 178–94.
 - Rose, James D. 2011. “Diverse Perspectives on the Groupthink Theory--A Literary Review.” *Emerging Leadership Journeys* 4 (1): 37–57.
 - “The Eighth Air Force vs. The Luftwaffe.” 2017. Nationalww2museum.Org. 2017. <https://www.nationalww2museum.org/war/articles/eighth-air-force-vs-luftwaffe>.
 - Turner, Marlene E., and Anthony R. Pratkanis. 1998. “Twenty-Five Years of Groupthink Theory and Research: Lessons from the Evaluation of a Theory.” *Organizational Behavior and Human Decision Processes* 73 (2/3): 105–15. <https://doi.org/https://doi.org/10.1006/obhd.1998.2756>.
 - Whyte, William H. Jr. 1952. “Groupthink.” *Fortune Magazine*, March 1952.
 - ———. 2012. “Groupthink.” *Fortune Magazine*. 2012. <http://fortune.com/2012/07/22/groupthink-fortune-1952/>.

Chapter 12: Conclusions

N/A

Appendix A: Hazards Checklist

N/A

Appendix B: Hand-Powered Winch

N/A

Acronyms and Abbreviations

- Page 411
 - Entries RI, RM, and ROV do *not* appear in alphabetical order
 - Page 414
 - “Conspicuity—The ability to be seen and noticed by others...”
-

Glossary

N/A