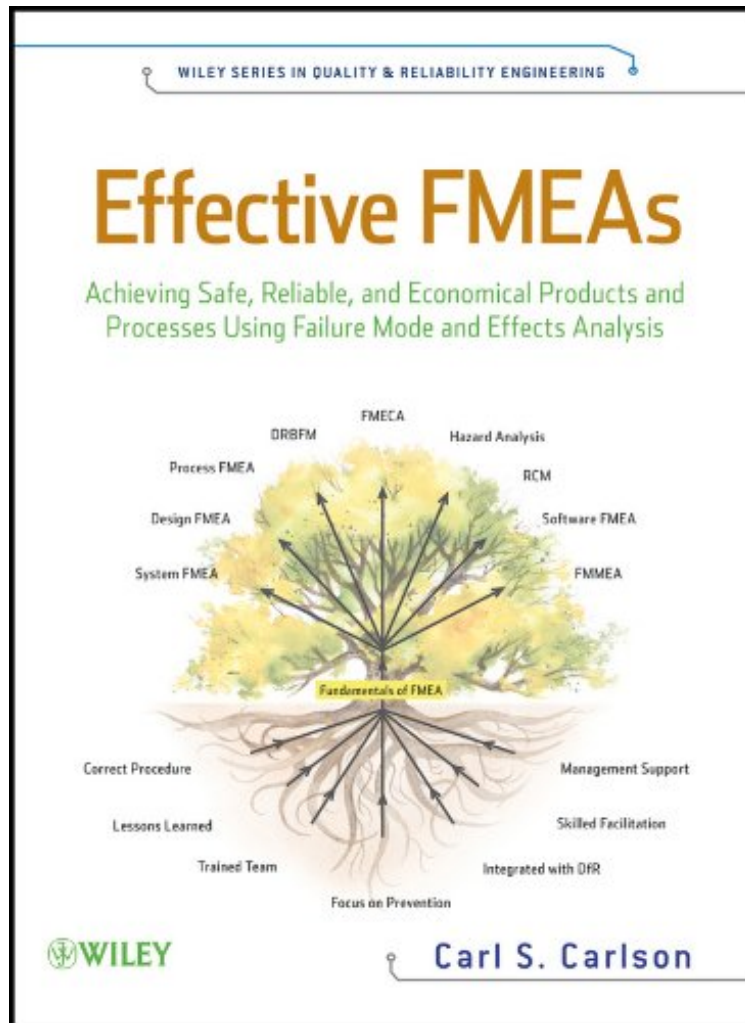


(Library ebook) Effective FMEAs: Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis (Quality and Reliability Engineering Series)

# Effective FMEAs: Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis (Quality and Reliability Engineering Series)

Carl Carlson

DOC | \*audiobook | ebooks | Download PDF | ePub



DOWNLOAD



READ ONLINE

#1009310 in eBooks 2012-04-11 2012-04-11 File Name: B00HBPGE1G | File size: 69.Mb

Carl Carlson : Effective FMEAs: Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis (Quality and Reliability Engineering Series) before purchasing it in order to gage whether or not it would be worth my time, and all praised Effective FMEAs: Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis (Quality and Reliability Engineering Series):

1 of 1 people found the following review helpful. Practical, thorough, well-organized well-written By Scott I think the

author did an FMEA on the FMEA process itself. The resulting actions on how to prepare for, execute (and how not to) integrate the FMEA process into other reliability processes is explained well. The book is worth the money for the FMEA participant and facilitator. 0 of 0 people found the following review helpful. The best FMEAs book I ever read. By sammyCarl Carlson share his rich experience with us, he introduce all type of FMEAs into one book to give your an centralize place to learn it what you want. His experience will better guide us how to perform FMEAs more effective and doing right at the first time, many examples include for reference which give you more insight for FMEAs. Personally I learned a lot form his book and him, he is the man willing to share with you and talk with you for FMEAs and others. In a word, this is the best FMEAs book I ever read, you should consider this book too. 2 of 2 people found the following review helpful. fantastic author. By little one It was a privilege to meet and be trained by Carl Carlson. I wish I was able to keep it after I left my last position.

Outlines the correct procedures for doing FMEAs and how to successfully apply them in design, development, manufacturing, and service applications. There are a myriad of quality and reliability tools available to corporations worldwide, but the one that shows up consistently in company after company is Failure Mode and Effects Analysis (FMEA). Effective FMEAs takes the best practices from hundreds of companies and thousands of FMEA applications and presents streamlined procedures for veteran FMEA practitioners, novices, and everyone in between. Written from an applications viewpoint—with many examples, detailed case studies, study problems, and tips included—the book covers the most common types of FMEAs, including System FMEAs, Design FMEAs, Process FMEAs, Maintenance FMEAs, Software FMEAs, and others. It also presents chapters on Fault Tree Analysis, Design Review Based on Failure Mode (DRBFM), Reliability-Centered Maintenance (RCM), Hazard Analysis, and FMECA (which adds criticality analysis to FMEA). With extensive study problems and a companion Solutions Manual, this book is an ideal resource for academic curricula, as well as for applications in industry. In addition, Effective FMEAs covers: The basics of FMEAs and risk assessment How to apply key factors for effective FMEAs and prevent the most common errors What is needed to provide excellent FMEA facilitation Implementing a "best practice" FMEA process Everyone wants to support the accomplishment of safe and trouble-free products and processes while generating happy and loyal customers. This book will show readers how to use FMEA to anticipate and prevent problems, reduce costs, shorten product development times, and achieve safe and highly reliable products and processes.

From the Back Cover Outlines the correct procedures for doing FMEAs and how to successfully apply them in design, development, manufacturing, and service applications. There are a myriad of quality and reliability tools available to corporations worldwide, but the one that shows up consistently in company after company is Failure Mode and Effects Analysis (FMEA). Effective FMEAs takes the best practices from hundreds of companies and thousands of FMEA applications and presents streamlined procedures for veteran FMEA practitioners, novices, and everyone in between. Written from an applications viewpoint—with many examples, detailed case studies, study problems, and tips included—the book covers the most common types of FMEAs, including System FMEAs, Design FMEAs, Process FMEAs, Maintenance FMEAs, Software FMEAs, and others. It also presents chapters on Fault Tree Analysis, Design Based on Failure Mode (DRBFM), Reliability-Centered Maintenance (RCM), Hazard Analysis, and FMECA (which adds criticality analysis to FMEA). With extensive study problems and a companion Solutions Manual, this book is an ideal resource for academic curricula, as well as for applications in industry. In addition, Effective FMEAs covers: The basics of FMEAs and risk assessment How to apply key factors for effective FMEAs and prevent the most common errors What is needed to provide excellent FMEA facilitation Implementing a "best practice" FMEA process Everyone wants to support the accomplishment of safe and trouble-free products and processes while generating happy and loyal customers. This book will show readers how to use FMEA to anticipate and prevent problems, reduce costs, shorten product development times, and achieve safe and highly reliable products and processes. About the Author Carl S. Carlson is a consultant and instructor in the areas of FMEA, reliability program planning, and other reliability engineering disciplines. He also currently supports clients of ReliaSoft Corporation. He has thirty years' experience in reliability testing, engineering, and management positions, including manager of product reliability at General Motors. He co-chaired the cross-industry team that developed the commercial FMEA standard (SAE J1739, 2002 version) and was a past member of the Reliability and Maintainability Symposium (RAMS) Advisory Board. He holds a BS in mechanical engineering from the University of Michigan and is a Certified Reliability Engineer.