A PROACTIVE, HOLISTIC APPROACH TO RELIABILITY

Root Cause Analysis
Improving Performance for Bottom-Line Results
Fifth Edition

Robert J. Latino
Reliability Center, Inc.
Hopewell, VA USA

Mark A. Latino
Reliability Center, Inc.
Hopewell, VA USA

Kenneth C. Latino
Graymather
Covington, VA USA

Root Cause Analysis: Improving Performance for Bottom-Line Results explores the anatomy of a failure, as well as a potential failure. Virtually all failures are triggered by errors of omission or commission by human beings. The methodologies described in this book are applicable to any industry. The new 5th edition is completely revised with many updates and new chapters.

The authors discuss evidence collection and strategy, failure scene investigation techniques, the human element, the contribution of human performance and human factors to poor decision making and the Role of RCA in Reliability and Safety.

They clarify definitions that can be considered ambiguous and underscore the distinctions between applying PROACT manually using a paper-based system versus using an automated software tool.

Written by practitioners for practitioners, the book outlines an entire RCA system which involves a cultural paradigm change about how failure is perceived and acted upon in an organization. The authors’ trademark, down-to-earth style provides a step-by-step action plan for how to construct and implement a root cause analysis system that can be applied to any industry.

Contents
• Introduction to the PROACT RCA Work Process
• Introduction to Root Cause Analysis
• Creating the Environment to Succeed
• Failure Classification
• Preserving Event Data
• Ordering the Analysis Team
• Analyzing the Data
• Communicating Recommendations & Findings
• Tracking for Bottom-Line Results
• Proactive Human Error Reduction Techniques (HERT)
• The Role of RCA in Reliability and Safety
• RCA Investigation Management System
• Root Cause Analysis Case Histories

Features
• Explains RCA as a holistic approach that incorporates elements of equipment, process and human reliability
• Shows how it can be applied by novices as well as veteran analysts
• Makes the business case for RCA via ROI
• Focuses on human error reduction strategies involved with decision making
• Describes the basics of failure scene investigation techniques (evidence gathering)

What’s NEW in the 5th Edition
• Outlines in detail every aspect of an effective RCA ‘system’
• Displays appreciation for the role of understanding the physics of a failure as well as the human and system’s contribution
• Demonstrates the role of RCA in a comprehensive Asset Performance Management (APM) system
• Explores the correlation between Reliability Engineering and Safety
• Integrates the concepts of Human Performance Improvement, Learning Teams, and Human Error Reduction approaches into RCA

Visit Amazon.com to order your copy today! ISBN-13: 978-1138332454
Available in Hardcover - $107.99 US  | Free Shipping
Reliability Center, Inc. - 804-458-0645 - info@reliability.com