

Root cause analysis a step by step guide to using (Read Only)

Root Cause Analysis, Second Edition Root Cause Analysis Root Cause Analysis Root Cause Analysis in Process-Based Industries Root Cause Analysis Handbook Root Cause Analysis, Second Edition Root Cause Analysis Root Cause Analysis Root Cause Analysis and Improvement in the Healthcare Sector Root Cause Analysis Handbook Root Cause Analysis School Leader's Guide to Root Cause Analysis The PROACT® Root Cause Analysis Apollo Root Cause Analysis The Root Cause Analysis Handbook Root Cause Failure Analysis Simplifying Cause Analysis Root Cause Analysis (RCA) for the Improvement of Healthcare Systems and Patient Safety The ASQ Pocket Guide to Root Cause Analysis Root Cause Analysis Medical Device Use Error Root Cause Analysis and Improvement in the Healthcare Sector Root Cause Analysis Made Simple Root Cause Analysis Root Cause Analysis A Complete Guide - 2020 Edition 5 Whys Apollo Root Cause Analysis Root Cause Analysis Patient Safety TapRoot Root Cause Analysis Root Cause Analysis in Health Care Root Cause Analysis The Cognitive Autopsy Root Cause Analysis Handbook Food Safety Management Effective Root Cause Analysis Beyond the Five Whys Root Cause Analysis The PROACT® Root Cause Analysis

Root Cause Analysis, Second Edition 2019-02-06

this best seller can help anyone whose role is to try to find specific causes for failures it provides detailed steps for solving problems focusing more heavily on the analytical process involved in finding the actual causes of problems it does this using figures diagrams and tools useful for helping to make our thinking visible this increases our ability to see what is truly significant and to better identify errors in our thinking in the sections on finding root causes this second edition now includes more examples on the use of multi vari charts how thought experiments can help guide data interpretation how to enhance the value of the data collection process cautions for analyzing data and what to do if one can't find the causes in its guidance on solution identification biomimicry and triz have been added as potential solution identification techniques in addition the appendices have been revised to include an expanded breakdown of the 7 m s which includes more than 50 specific possible causes forms for tracking causes and solutions which can help maintain alignment of actions techniques for how to enhance the interview process and example responses to problem situations that the reader can analyze for appropriateness

Root Cause Analysis 2014-12-03

although there are many books on root cause analysis rca most concentrate on team actions such as brainstorming and using quality tools to discuss the failure under investigation these may be necessary steps during rca but authors often fail to mention the most important member of an rca team the failed part root cause analysis a step by step guide to using the right tool at the right time provides authoritative guidance on how to empirically investigate quality failures using scientific method in the form of cycles of plan do check act pdca supported by the use of quality tools focusing on the use of proven quality tools to empirically investigate issues the book starts by describing the theoretical background behind using the scientific method and quality tools for rca next it supplies step by step instructions for performing rca with the tools discussed in the first section the book's clear examples illustrate how to integrate pdca with the scientific method and quality tools when investigating real world quality failures this rca guide provides root cause investigators with a tool kit for the quick and accurate selection of the appropriate tool during a root cause investigation it includes an appendix with a guide to tool selection based on the intended use of the tool there is also an appendix that defines the terminology used in the book after reading this book you will understand how to integrate the scientific method quality tools and statistics in the form of exploratory data analysis to build a picture of the actual situation under investigation that will lead you to the true root cause of an event the tools and concepts presented in the text are appropriate for professionals in both the manufacturing and service industries

Root Cause Analysis 2019-06-26

this book comprehensively outlines what a holistic and effective root cause analysis rca system looks like from the designing of the support infrastructure to the measuring of effectiveness on the bottom line this book provides the blueprint for making it happen while traditionally rca is viewed as a reactive tool the authors will show how it can be applied proactively to prevent failures from occurring in the first place rca is a key element of any successful reliability engineering initiative such initiatives are comprised of equipment process and human reliability foundations human reliability is critical to the success of a true rca approach this book explores the anatomy of a failure undesirable outcome as well as a potential

failure high risks 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 because the focus is on the human being's ability to think through why things go wrong not on the industry or the nature of the failure this book correlates reliability to safety as well as human performance improvement efforts the author has provided a healthy balance between theory and practical application wrapping up with case studies demonstrating bottom line results features 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

Root Cause Analysis in Process-Based Industries 2010-08

this book provides a root cause analysis methodology for process and equipment problems with a unique insight on sources and type of problems that appear in process lines

Root Cause Analysis Handbook 2014-10-01

are you trying to improve performance but find that the same problems keep getting in the way safety health environmental quality reliability production and security are at stake you need the long term planning that will keep the same issues from recurring root cause analysis handbook a guide to effective incident investigation is a powerful tool that gives you a detailed step by step process for learning from experience reach for this handbook any time you need field tested advice for investigating categorizing reporting and trending and ultimately eliminating the root causes of incidents it includes step by step instructions checklists and forms for performing an analysis and enables users to effectively incorporate the methodology and apply it to a variety of situations using the structured techniques in the root cause analysis handbook you will understand why root causes are important identify and define inherent problems collect data for problem solving analyze data for root causes generate practical recommendations the third edition of this global classic is the most comprehensive all in one package of book downloadable resources color coded rca map and licensed access to online resources currently available for root cause analysis rca called by users the best resource on the subject and in a league of its own based on globally successful proprietary methodology developed by abs consulting an international firm with 50 years experience in 35 countries root cause analysis handbook is widely used in corporate training programs and college courses all over the world if you are responsible for quality reliability safety and or risk management you'll want this comprehensive and practical resource at your fingertips the book has also been selected by the american society for quality asq and the risk and insurance society rims as a must have for their members

Root Cause Analysis, Second Edition 2006-01-01

this updated and expanded edition discusses many different tools for root cause analysis and presents them in an easy to follow structure a general description of the tool its purpose and typical applications the procedure when using it an example of its use a checklist to help you make sure it is applied properly and different forms and templates that can also be found on an accompanying cd rom the examples used are general enough to apply to any industry or market the layout of the book has been designed to help speed your learning throughout the authors have split the
2023-05-05
3/15
root cause analysis a step
by step guide to using

pages into two halves the top half presents key concepts using brief language almost keywords and the bottom half uses examples to help explain those concepts a roadmap in the margin of every page simplifies navigating the book and searching for specific topics the book is suited for employees and managers at any organizational level in any type of industry including service manufacturing and the public sector

Root Cause Analysis 2022-12-20

this bestseller can help anyone whose role is to try to find specific causes for failures it provides detailed steps for solving problems focusing more heavily on the analytical process involved in finding the actual causes of problems it does this using figures diagrams and tools useful for helping to make our thinking visible this increases our ability to see what is truly significant and to better identify errors in our thinking in the sections on finding root causes this second edition now includes more examples on the use of multi vari charts how thought experiments can help guide data interpretation how to enhance the value of the data collection process cautions for analyzing data and what to do if one can't find the causes in its guidance on solution identification biomimicry and triz have been added as potential solution identification techniques in addition the appendices have been revised to include an expanded breakdown of the 7 m s which includes more than 50 specific possible causes forms for tracking causes and solutions which can help maintain alignment of actions techniques for how to enhance the interview process and example responses to problem situations that the reader can analyze for appropriateness

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Root Cause Analysis and Improvement in the Healthcare Sector 2009-11-09

healthcare organizations and professionals have long needed a straightforward workbook to facilitate the process of root cause analysis rca while other industries

employ the rca tools liberally and train facilitators thoroughly healthcare has lagged in establishing and resourcing a quality culture presently a growing number of third party stakeholders are holding access to accreditation and reimbursement pending demonstration of a full response to events outside of expected practice an increasing number of exceptions to healthcare practice have precipitated a strong response advocating the use of proven quality tools in the industry in addition the industry has now expanded its scope beyond the hospital walls to many ancillary healthcare facilities with little experience in implementing quality tools this book responds to the demand for a rca workbook written specifically for healthcare yet still broad in its definition of the industry this book contains everything that the typical rca leader in healthcare requires a text specific to healthcare but using the broadest definition of the industry to include not only acute care hospitals but rehabilitation facilities long term care facilities outpatient surgery centers ambulatory services and general office practices a workbook style format that walks through the process step by step straightforward text without sidebars tables and tips worksheets are provided at the end of the book to reduce reader distraction within the text a wide range of real world examples format for use by the most naive of users and most basic of processes as well as a separate section for more advanced users or more complex issues templates both print and electronic included for the reader s use ready to use educational materials with scripting to enable the user to train others and garner support for the use of the techniques background text for users in leadership to understand the tools in the larger context of healthcare improvement up to date information on the latest in the use of rca in satisfying mandatory reporting requirements and slaying the myth that the process is onerous and fraught with barriers background text and tools process are separated to facilitate the readers specific needs healthcare leaders can appreciate the current context and requirements without wading through the actual techniques end users can begin learning the skills without wading through dense administrative text language and tone promoting the use of the tools for improvement of processes that have experienced exceptions as opposed to assigning blame for errors attention to process ownership training and resourcing and most importantly thorough description of the improvement process as well as the analysis

Root Cause Analysis Handbook 2008-07-07

the third edition of this global classic is the most comprehensive all in one package of book downloadable resources color coded rca map and online resources currently available for root cause analysis rca called by users the best resource on the subject and in a league of its own the package offers the unique breadth depth and practicality that can only come from six authors with 125 years of combined international rca consulting experience it presents a globally successful proprietary methodology developed by an international consulting firm with 50 years experience in 35 countries reach for it anytime you need field tested advice for investigating categorizing reporting and trending and ultimately eliminating the root causes of incidents with quality reliability environmental health safety and production process impacts the total package includes 300 page handbook focusing on rigorous application of structured techniques for both apparent cause analyses and root cause analyses it includes step by step instructions checklists and forms for performing an analysis and enables users to effectively incorporate the methodology and apply it to a variety of situations there are numerous incident facility and industry specific examples plus 120 figures and tables downloadable resources toolkit including examples of cause and effect trees and a sample template examples of cause and effect timelines and a sample template toolkits for investigating data gathering data analysis etc plentiful forms and checklists field tested toolkit abs consulting uses in its projects that you can adapt for your own rca incident investigation program and a resource list of recommended books websites

organizations etc root cause map full color coded wall chart 17 x 22 a powerful tool for staff to use in identifying and coding root causes licensed access to abs consulting website for an abundant collection of articles up to date examples charts forms etc root cause analysis handbook is widely used in corporate training programs and college courses all over the world if you are responsible for quality reliability safety and or risk management you ll want this comprehensive and practical resource at your fingertips the book has been selected by the american society for quality asq and the risk and insurance society rims

Root Cause Analysis 2013-09-27

do you have recurring problems that are costing you time and money unresolved problems do more than aggravate they can increase costs lower quality and drive customers away plus quality management processes such as iso 9001 require organizations to have a corrective and preventive action process in place root cause analysis is integral to the success of any corrective action or problem solving process unfortunately root cause analysis is an often maligned misunderstood and misapplied process instead of viewing root cause analysis as an opportunity for improvement many see it only as an admission that things have gone wrong root cause analysis should be seen as an opportunity not a chore this practical guide offers proven techniques for using root cause analysis in your organization inside you ll find what root cause analysis is when and when not to use root cause analysis who should participate in the root cause analysis process how to construct a root cause analysis checklist examples of how a well run root cause analysis process works and much more

School Leader's Guide to Root Cause Analysis 2020-09-10

don t jump from problem to solution without first investigating root causes this book helps you more accurately focus on school improvement issues so you can avoid wasting precious time and resources it is clearly written contains lots of real examples and is presented in a style and format designed for the non expert it will help you make decisions which will improve learning for all students

The PROACT® Root Cause Analysis 2008

root cause analysis or rca what is it everyone uses the term but everyone does it differently how can we have any uniformity in our approach much less accurately compare our results if we re applying different definitions at a high level we will explain the difference between rca and shallow cause analysis because that is the difference between allowing a failure to recur or dramatically reducing the risk of recurrence in this book we will get down to basics about rca the fundamentals of blocking and tackling and explain the common steps of any investigative occupation common investigation steps include preserving evidence data not allowing hearsay to fly as fact organizing an appropriate team minimizing potential bias analyzing the events reconstructing the incident based on actual evidence communicating findings and recommendations ensuring effective recommendations are actually developed and implemented tracking bottom line results ensuring that identified meaningful metrics were attained we explore why don t things always go as planned when our actual plans deviate from our intended plans we usually experience some type of undesirable or unintended outcome we analyze the anatomy of a failure undesirable outcome and provide a step by step guide to conducting a comprehensive rca based on our 3 decades of applying rca as we have successfully practiced it in the field this book is written as a how to guide to effectively apply the proact rca methodology to any undesirable outcome is directed at practitioners who have to do the real work focuses on the core elements of any investigation and provides a field proven case

as a model for effective application this book is for anyone charged with having a thorough understanding of why something went wrong such as those in eh s maintenance reliability quality engineering and operations to name just a few

Apollo Root Cause Analysis 2017-08-15

the purpose of this book is to share what the author has learned about effective problem solving by exposing the ineffectiveness of conventional wisdom and presenting a principle based alternative called apollo root cause analysis that is robust yet familiar and easy to understand this book will change the way readers understand the world without changing their minds one of the most common responses the author has received from his students of apollo root cause analysis is they have always thought this way but did not know how to express it other students have reported a phenomenon where this material fundamentally re wires their thinking leading to a deeply profound understanding of our world at the heart of this book is a new way of communicating that is revolutionizing the way people all around the world think communicate and make decisions together imagine a next decision making meeting where everyone is in agreement with the causes of the problem and the effectiveness of the proposed corrective actions with no conflicts arguments or power politics this is the promise of apollo root cause analysis

The Root Cause Analysis Handbook 1999-06-16

the answer is root cause analysis a process that allows you to find the cause of single events problems in the workplace the root cause analysis handbook presents a walkthrough example that illustrates the method and shows how to implement it because poor initial problem definition can and often does undermine the problem solving process ammerman places special emphasis on this area to build a solid foundation for effective analysis he also provides guidance on preparing the final report the need for clear documentation on dealing with problems makes this book especially valuable for quality managers engineers safety managers and teams implementing the iso or qs standards written in a simple user friendly style you will grasp the core concepts quickly and begin applying them to your work

Root Cause Failure Analysis 2017-11-20

root cause failure analysis provides the concepts needed to effectively perform industrial troubleshooting investigations it describes the methodology to perform root cause failure analysis rcfa one of the hottest topics currently in maintenance engineering it also includes detailed equipment design and troubleshooting guidelines which are needed to perform rcfa on machinery found in most production facilities this is the latest book in a new series published by butterworth heinemann in association with plant engineering magazine plant engineering fills a unique information need for the men and women who operate and maintain industrial plants it bridges the information gap between engineering education and practical application as technology advances at increasingly faster rates this information service is becoming more and more important since its first issue in 1947 plant engineering has stood as the leading problem solving information source for america s industrial plant engineers and this book series will effectively contribute to that resource and reputation provides information essential to industrial troubleshooting investigations describes the methods of root cause failure analysis a hot topic in maintenance engineering includes detailed equipment design guidelines

Simplifying Cause Analysis 2021-08-24

when the challenge is to get to the heart of a problem you need a simple and efficient cause investigation methodology and what would make a real difference would be an interactive map to lead you to the answer every time chester rowe s simplifying cause analysis a structured approach is your instruction book combined with the included downloadable interactive cause analysis tool you have been looking for the author intends this book for professionals like you who have some familiarity with cause analysis projects and are looking for a simple and efficient cause investigation methodology is a more effective and insightful way of asking why introducing his multi function event investigation tool chester rowe says there are already many scientific tools to help us understand the physical causes for machine failures the challenge now is to find a way of investigating human performance failure modes humans are often a major source of slips lapses and mistakes supporting his instructions with diagrams charts and real world examples from companies like yours the author takes you step by step through planning completing and documenting your investigation chapter 1 gives you a process to determine the level of effort that your investigation should encompass assess the level of effort needed and determine the rigor needed your investigation needs to be as risk informed as possible chapters 2 through 5 presents a new and innovative structure rigorous yet intuitively easy to remember to identify the underlying causes for the event cause road maps and conduct the investigation chapter 6 introduces conceptual human performance models and tells you how to begin focusing on the human behaviors involved chapters 7 and 8 present you with methods tools and techniques for carefully interviewing personnel chapters 9 through 13 put the pieces together showing you how to analyze and model the event determine corrective action and document the investigations and findings chester rowe developed the cause road map over many years to provide a comprehensive taxonomy for every cause investigation however fully implementing the cause road map requires the use of other tools to organize analyze and present the final results of your investigation to get you started rowe includes his downloadable interactive cause analysis tool an easy to use tool in familiar spreadsheet format free with your verified purchase of the book

Root Cause Analysis (RCA) for the Improvement of Healthcare Systems and Patient Safety 2013-11-06

the book follows a proven training outline including real life examples and exercises to teach healthcare professionals and students how to lead effective and successful root cause analysis rca to eliminate patient harm this book discusses the need for rca in the healthcare sector providing practical advice for its facilitation it addresses when to use rca how to create effective rca action plans and how to prevent common rca failures an rca training curriculum is also included this book is intended for those leading rcas of patient harm events leaders students and patient safety advocates who are interested in gaining more knowledge about rca in healthcare

The ASQ Pocket Guide to Root Cause Analysis 2019-07-12

all organizations experience unintended variation and its consequences such problems exist within a broad range of scope persistence and severity across different industries some problems cause minor nuisances others leads to loss of customers or money others yet can be a matter of life and death the purpose of this pocket guide is to provide you with easily accessible knowledge about the art of problem solving with a specific focus on identifying and eliminating root causes of problems root cause analysis is a skill that absolutely everybody should master irrespective of

which sector you work in what educational background you have and which position in the organization you hold the content in this little pocket guide can contribute to disseminating this skill a little further in the world

Root Cause Analysis 2016-01-06

this book comprehensively outlines what a holistic and effective root cause analysis rca system looks like from the designing of the support infrastructure to the measuring of effectiveness on the bottom line this book provides the blueprint for making it happen while traditionally rca is viewed as a reactive tool the authors will show how it can be applied proactively to prevent failures from occurring in the first place rca is a key element of any successful reliability engineering initiative such initiatives are comprised of equipment process and human reliability foundations human reliability is critical to the success of a true rca approach this book explores the anatomy of a failure undesirable outcome as well as a potential failure high risks 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 because the focus is on the human being s ability to think through why things go wrong not on the industry or the nature of the failure this book correlates reliability to safety as well as human performance improvement efforts the author has provided a healthy balance between theory and practical application wrapping up with case studies demonstrating bottom line results features 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

Medical Device Use Error 2009-11-09

medical device use error root cause analysis offers practical guidance on how to methodically discover and explain the root cause of a use error a mistake that occurs when someone uses a medical device covering medical devices used in the home and those used in clinical environments the book presents informative case studies about the use errors

Root Cause Analysis and Improvement in the Healthcare Sector 2015-12-01

healthcare organizations and professionals have long needed a straightforward workbook to facilitate the process of root cause analysis rca while other industries employ the rca tools liberally and train facilitators thoroughly healthcare has lagged in establishing and resourcing a quality culture presently a growing number of third party stakeholders are holding access to accreditation and reimbursement pending demonstration of a full response to events outside of expected practice an increasing number of exceptions to healthcare practice have precipitated a strong response advocating the use of proven quality tools in the industry in addition the industry has now expanded its scope beyond the hospital walls to many ancillary healthcare facilities with little experience in implementing quality tools this book responds to the demand for a rca workbook written specifically for healthcare yet still broad in its definition of the industry this book contains everything that the typical rca leader in healthcare requires a text specific to healthcare but using the broadest definition of the industry to include not only acute care hospitals but rehabilitation facilities long term care facilities outpatient surgery centers

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Root Cause Analysis Made Simple 1993

did being right or left handed influence the risk have the changes made a difference does your diagram capture the root causes you think are important will the problem recur if this cause is corrected or eliminated what is your process for approving due date changes this one of a kind root cause analysis self assessment will make you the trusted root cause analysis domain authority by revealing just what you need to know to be fluent and ready for any root cause analysis challenge how do i reduce the effort in the root cause analysis work to be done to get problems solved how can i ensure that plans of action include every root cause analysis task and that every root cause analysis outcome is in place how will i save time investigating strategic and tactical options and ensuring root cause analysis costs are low how can i deliver tailored root cause analysis advice instantly with structured going forward plans there s no better guide through these mind expanding questions than acclaimed best selling author gerard blokdyk blokdyk ensures all root cause analysis essentials are covered from every angle the root cause analysis self assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that root cause analysis outcomes are achieved contains extensive criteria grounded in past and current successful projects and activities by experienced root cause analysis practitioners their mastery combined with the easy elegance of the self assessment provides its superior value to you in knowing how to ensure the outcome of any efforts in root cause analysis are maximized with professional results your purchase includes access details to the root cause analysis self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows you exactly what to do next your exclusive instant access details can be found in your book you will receive the following contents with new and updated specific criteria the latest quick edition of the book in pdf the latest complete edition of the book in pdf which criteria correspond to the criteria in the self assessment excel dashboard example pre filled self assessment excel dashboard to get familiar with results generation in depth and specific root cause analysis checklists project management checklists and templates to assist with implementation includes lifetime self assessment updates every self assessment comes with lifetime updates and lifetime free updated books lifetime updates is an industry first feature which allows you to receive verified self assessment updates ensuring you always have the most accurate information at your fingertips

Root Cause Analysis 2019-09-19

in the work environment we need to ask ourselves to know more about what is actually happening in the process have you ever wondered why a problem happened discover how to identify the root cause with the book 5 why

Root Cause Analysis A Complete Guide - 2020 Edition 2021-02-12

what is rca it seems like such an easy question to answer yet from novices to veterans and practitioners to providers no one seems to have come to agreement or consensus on an acceptable definition for the industry now in its fourth edition root cause analysis improving performance for bottom line results discusses why it is so hard to get such consensus and why various providers are reluctant for that to happen see what's new in the fourth edition human error reduction techniques here new chapter failure scene investigation fsi disciplined evidence gathering categorical versus cause and effect rca tools analysis tools review the germination of a failure constructing a logic tree introduction of proactondemandsm the advantages of software as a service saas the pros and cons of rca templates three new client case histories the authors discuss evidence collection and strategy failure scene investigation techniques the human element and the contribution of human performance and human factors to poor decision making 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 read mri safety 10 years later co authored by robert latino

5 Whys 1999

are you ready and willing to get to the root causes of problems as medicare medicaid and major insurance companies increasingly deny payment for never events it has become imperative that hospitals and doctors develop new ways to prevent these avoidable catastrophes from recurring proactive tools such as root cause analysis rca basic failure mode and effects analysis fmea and opportunity analysis oa are useful in preventing error but in healthcare such tools are often constrained by reticence to share information about mistakes and other problems inherent to the industry well written and extremely applicable to health care every healthcare professional should have a copy matthew c mireles president ceo community medical foundation for patient safety bellaire texas patient safety the proact root cause analysis approach addresses the proactive methodologies and organizational paradigms that must change in order to support and sustain such activities in the interest of patient safety written by reliability expert robert j latino this book provides a perspective on patient care from outside the health industry and culture it teaches a proven approach that measures its effectiveness based on patient safety results rather than compliance and demonstrates the return on investment for using rca to reduce and or eliminate undesirable outcomes addressing the contribution of human error to physical consequences latino explores ways to identify conditions that are more prone to result in human error it also uses fmea to proactively identify unacceptable risks and then uses the concepts of rca to prevent risks from materializing are you ready to be tenacious in your approach and completely honest in your assessment root cause analysis requires courage and honesty when properly

applied rca will point out the problems and lead you to solutions visit the author s website find out if rca is right for your organization robert j latino has spent the past 10 years researching the differences in industrial culture versus the healthcare culture in this book he expertly makes the appropriate modifications to proven methodologies to successfully bridge the proactive technologies from industry to healthcare additional information including an audio visual presentation by the author is available on the proact website at proactforhealthcare com

Apollo Root Cause Analysis 2011-06-14

undesirable outcomes chronic failure incidents and accidents the cost of such events to corporations is high generally adding up to tens and hundreds of millions of dollars in accepted losses why accept these losses what if you could understand why these errors occur and eliminate chronic events from occurring altogether root cause

Root Cause Analysis 2008-10-14

we live in a complex world people and organizations often don t believe they have the time to perform the in depth analyses required to solve problems instead they take remedial actions to make the problem less visible and implement a patchwork of ad hoc solutions they hope will prevent recurrence then when the problem returns they get frustrated and the cycle repeats this book provides detailed steps for how to solve problems focusing more heavily on the analytical process involved in finding the actual causes of problems it does so using a large number of figures diagrams and tools

Patient Safety 2000

behind heart disease and cancer medical error is now listed as one of the leading causes of death of the many medical errors that may lead to injury and death diagnostic failure is regarded as the most significant generally the majority of diagnostic failures are attributed to the clinicians directly involved with the patient and to a lesser extent the system in which they work in turn the majority of errors made by clinicians are due to decision making failures manifested by various departures from rationality of all the medical environments in which patients are seen and diagnosed the emergency department is the most challenging it has been described as a wicked environment where illness and disease may range from minor ailments and complaints to severe life threatening disorders the cognitive autopsy is a novel strategy towards understanding medical error and diagnostic failure in 42 clinical cases with which the author was directly involved or became aware of at the time essentially it describes a cognitive approach towards root cause analysis of medical adverse events or near misses whereas root cause analysis typically focuses on the observable and measurable aspects of adverse events the cognitive autopsy attempts to identify covert cognitive processes that may have contributed to outcomes in this clinical setting no cognitive process is directly observable but must be inferred from the behavior of the individual clinician the book illustrates unequivocally that chief among these cognitive processes are cognitive biases and other flaws in decision making rather than knowledge deficits

TapRoot 2002-04-29

root cause analysis handbook a guide to effective incident investigation presents a proven system designed for investigating categorizing and ultimately eliminating rootcauses of incidents with safety health environmental quality reliability and production process impacts defined as a tool to help investigators describe what

happened to determine how it happened and to understand why it happened the root cause analysis system enables businesses to generate specific concrete recommendations for preventing incident recurrences using the factual data of the incident the system also allows quality safety and risk and reliability managers an opportunity to implement more reliable and more cost effective policies that result in major long term opportunities for improvement such process improvements increase a business ability to recover from and prevent disasters with both financial and health and safety implications special features include a 17 inch by 22 inch pull out root cause map a powerful tool for identifying and coding root causes the book helps readers to understand why root causes are important to identify and define inherent problems to collect data for problem solving to analyze data for root causes and to generate practical recommendations this edition is a reprinting of the 199 edition organization of the root cause analysis handbook the focus of this handbook is on the application of the root cause map to the root cause analysis process the root cause map is used in one of the later steps of the root cause analysis process to identify the underlying management systems that caused the event to occur or made the consequences of the event more severe the first five chapters of this handbook are an overview of the root cause analysis process these provide the context for use of the root cause map chapter 6 provides references chapter 1 introduction to root cause analysis presents a basic overview of the source seeking out the underlying root causes of events root cause analysis process chapter 2 collecting and preserving data for analysis outlines the types of data and data sources that are available chapters 3 4 and 5 describe the three major steps in the root cause analysis process chapter 3 data analysis using causal factor charting provides a step by step description of causal factor charting techniques chapter 4 root cause identification explains the organization and use of the root cause map chapter 5 recommendation generation and implementation provides guidance on developing and implementing corrective actions the references section chapter 6 provides additional information for those interested in learning more about specific items contained in the handbook appendix a root cause map node descriptions describes each segment of the root cause map and presents detailed descriptions of the individual nodes on the map appendix b is the root cause map itself

Root Cause Analysis 2005-05-01

despite precautions taken to ensure food safety it can happen that contaminated products reach the market and or consumers a swift and responsible management of incidents is important to protect consumers and minimize damage to the reputation of the company while incidents should be prevented when they occur they should be analyzed and the fundamental factors leading to the incidents must be investigated and addressed to prevent their recurrence communication of the root cause of incidents both internally and externally is key for effectively improving food safety at the society level

Root Cause Analysis in Health Care 2009

do you want to solve problems in your business once and for all some businesses use root cause analysis methods successfully many do not these methods have huge potential and using them effectively can deliver amazing results for both you and your business being able to use root cause analysis tools effectively can help solve business problems and prevent them from reoccurring in the future but what if there were a couple of little twists you could use that would make a big difference to your results this book will share with you some extra tools that can be used to deliver surprisingly powerful results the methods shared in this book are the same methods giles johnston uses with his clients they are tried tested and they get results if you re ready to make root cause analysis deliver some amazing results for

your business then get your copy today

Root Cause Analysis 2020-05-22

a straightforward explanation of root cause analysis and systems thinking illustrating with real world examples and first hand accounts why things can slip through our fingers and what to do to reduce the chances of things going off track beyond the five whys summarises for the first time many of the tried and tested ways of understanding problems using insights from aviation high reliability organisations and a range of thought provoking sources the book provides readers with a clear and structured explanation how to analyse setbacks and head off problems in the first place it will challenge much of the received wisdom such as the idea there can be one root cause or that a person or bad culture could be a root cause specific areas covered learn what root causes are how they differ from immediate and contributing causes and why it s so important to go beyond the five whys technique for root cause analysis recalibrate the way you think about things going wrong incorporating insights from systems thinking so you can be clearer what cultural or systemic problems mean in practice learn about the eight principal ways things can slip through our fingers go beyond the blame game and firefighting to avoid the never ending cycle of repeating issues strengthen your ability to read the output of a lessons learned or enquiry report get a fresh perspective using these techniques on why the titanic tragedy turned out so badly and understand the numerous parallels between what happened then and a range of recent setbacks we have seen such as the covid 19 pandemic consider the broader application of these techniques to some of the challenges we face in the 21st century beyond the five whys also contains supplemental guidance how to make improvements in an organisation it is of value to business managers and those in specialist roles such as grc esg risk compliance quality project management h s it and internal audit roles

The Cognitive Autopsy 2005

there is no easy answer to the question what is rca some will give a general idea of what root cause analysis rca is designed to accomplish while others will advocate a specific approach in this third edition of the best selling root cause analysis improving performance for bottom line results acclaimed experts robert and kenneth latino offer a broad look at the various types of approaches to rca comparing their pros and cons while supplying practical tools for implementing or improving current rca initiatives this edition expands the scope of rca taking a holistic approach that includes recent perspectives opportunity analysis and rca s fit with current initiatives such as total quality management tqm and six sigma in addition to a broader perspective the book presents updated and expanded material including a chapter devoted to problem solving brainstorming methodology versus software using the proact approach complimented by the proact enterprise version 3 0 software discussion of the various conflicting definitions of common terms used in rca and a focus on measuring roi emphasizing the organizational support necessary for successful rca efforts root cause analysis improving performance for bottom line results third edition demystifies the concepts involved in effective rca and presents hands on guidance for program enactment

Root Cause Analysis Handbook 2013-11-01

root cause analysis or rca what is it everyone uses the term but everyone does it differently given that how can we have any uniformity in our approach much less accurately compare our results at a high level we will explain the difference between a root cause analysis and a shallow cause analysis because that is the difference between allowing a failure to recur or dramatically reducing the risk of

recurrence in this book we will get down to basics about rca the fundamentals of blocking and tackling and explain the common steps of any investigative occupation those common investigation steps include preserving evidence data not allowing hearsay to fly as fact organizing an appropriate team minimizing potential bias analyzing the events reconstructing the incident based on actual evidence communicating findings and recommendations ensuring effective recommendations are actually developed and implemented tracking bottom line results ensuring that identified meaningful metrics were attained we explore why don t things always go as planned when our actual plans deviate from our intended plans we usually experience some type of undesirable or unintended outcome we analyze the anatomy of a failure undesirable outcome and provide a step by step guide to conducting a comprehensive root cause analysis based on our 3 decades of applying rca as we have successfully practiced it in the field the book is written as a how to guide to effectively apply the proact rca methodology to any undesirable outcome is directed at practitioners who have to do the real work focuses on the core elements of any investigation and provides a field proven case as a model for effective application this book is for anyone charged with having a thorough understanding of why something went wrong such as those in eh s maintenance reliability quality engineering and operations to name just a few

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