

The Field Guide to Understanding 'Human Error'

Sidney Dekker



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THIRD EDITION

Field Guide To Understanding Human Error

Sidney Dekker

Field Guide To Understanding Human Error:

The Field Guide to Understanding Human Error Sidney Dekker,2006 The old Bad Apple Theory of human error promotes the idea that a system is basically safe with the exception of a few unreliable people Breaking new ground beyond its successful predecessor The Field Guide to Understanding Human Error guides you through the traps and misconceptions of the old view Sidney Dekker presents the view that human error is an organizational problem and suggests how to apply new theories to your organization handling questions about accountability and constructing meaningful countermeasures

The Field Guide to Understanding 'Human Error' Sidney Dekker,2017-11-01 When faced with a human error problem you may be tempted to ask Why didn't these people watch out better Or How can I get my people more engaged in safety You might think you can solve your safety problems by telling your people to be more careful by reprimanding the miscreants by issuing a new rule or procedure and demanding compliance These are all expressions of The Bad Apple Theory where you believe your system is basically safe if it were not for those few unreliable people in it Building on its successful predecessors the third edition of The Field Guide to Understanding Human Error will help you understand a new way of dealing with a perceived human error problem in your organization It will help you trace how your organization juggles inherent trade offs between safety and other pressures and expectations suggesting that you are not the custodian of an already safe system It will encourage you to start looking more closely at the performance that others may still call human error allowing you to discover how your people create safety through practice at all levels of your organization mostly successfully under the pressure of resource constraints and multiple conflicting goals The Field Guide to Understanding Human Error will help you understand how to move beyond human error how to understand accidents how to do better investigations how to understand and improve your safety work You will be invited to think creatively and differently about the safety issues you and your organization face In each you will find possibilities for a new language for different concepts and for new leverage points to influence your own thinking and practice as well as that of your colleagues and organization If you are faced with a human error problem abandon the fallacy of a quick fix Read this book *The Field Guide to Human Error Investigations* Sidney Dekker,2017-11-01 This title was first published in 2002 This field guide assesses two views of human error the old view in which human error becomes the cause of an incident or accident or the new view in which human error is merely a symptom of deeper trouble within the system The two parts of this guide concentrate on each view leading towards an appreciation of the new view in which human error is the starting point of an investigation rather than its conclusion The second part of this guide focuses on the circumstances which unfold around people which causes their assessments and actions to change accordingly It shows how to reverse engineer human error which like any other component needs to be put back together in a mishap investigation **The Field Guide to Understanding Human Error** Sidney Dekker,2017-04-07 When faced with a human error problem you may be tempted to ask Why didn't they watch out

better How could they not have noticed You think you can solve your human error problem by telling people to be more careful by reprimanding the miscreants by issuing a new rule or procedure These are all expressions of The Bad Apple Theory where you believe your system is basically safe if it were not for those few unreliable people in it This old view of human error is increasingly outdated and will lead you nowhere The new view in contrast understands that a human error problem is actually an organizational problem Finding a human error by any other name or by any other human is only the beginning of your journey not a convenient conclusion The new view recognizes that systems are inherent trade offs between safety and other pressures for example production People need to create safety through practice at all levels of an organization Breaking new ground beyond its successful predecessor The Field Guide to Understanding Human Error guides you through the traps and misconceptions of the old view It explains how to avoid the hindsight bias to zoom out from the people closest in time and place to the mishap and resist the temptation of counterfactual reasoning and judgmental language But it also helps you look forward It suggests how to apply the new view in building your safety department handling questions about accountability and constructing meaningful countermeasures It even helps you in getting your organization to adopt the new view and improve its learning from failure So if you are faced by a human error problem abandon the fallacy of a quick fix Read this book [The Field Guide to Understanding Human Error](#) Dekker Sidney,2006 When faced with a human error problem you may be tempted to ask Why didn't they watch out better How could they not have noticed You think you can solve your human error problem by telling people to be more careful by reprimanding the miscreants by issuing a new rule or procedure These are all expressions of The Bad Apple Theory where you believe your system is basically safe if it were not for those few unreliable people in it This old view of human error is increasingly outdated and will lead you nowhere The new view in contrast understands that a human error problem is actually an organizational problem Finding a human error by any other name or by any other human is only the beginning of your journey not a convenient conclusion The new view recognizes that systems are inherent trade offs between safety and other pressures for example production People need to create safety through practice at all levels of an organization Breaking new ground beyond its successful predecessor The Field Guide to Understanding Human Error guides you through the traps and misconceptions of the old view It explains how to avoid the hindsight bias to zoom out from the people closest in time and place to the mishap and resist the temptation of counterfactual reasoning and judgmental language But it also helps you look forward It suggests how to apply the new view in building your safety department handling questions about accountability and constructing meaningful countermeasures It even helps you in getting your organization to adopt the new view and improve its learning from failure So if you are faced by a human error problem abandon the fallacy of a quick fix Read this book **There Are No Accidents** Jessie Singer,2023-02-28 A journalist recounts the surprising history of accidents and reveals how they've come to define all that's wrong with America We hear it all the time Sorry it was just an accident And we

ve been deeply conditioned to just accept that explanation and move on But as Jessie Singer argues convincingly There are no such things as accidents The vast majority of mishaps are not random but predictable and preventable Singer uncovers just how the term accident itself protects those in power and leaves the most vulnerable in harm s way preventing investigations pushing off debts blaming the victims diluting anger and even sparking empathy for the perpetrators As the rate of accidental death skyrockets in America the poor and people of color end up bearing the brunt of the violence and blame while the powerful use the excuse of the accident to avoid consequences for their actions Born of the death of her best friend and the killer who insisted it was an accident this book is a moving investigation of the sort of tragedies that are all too common and all too commonly ignored In this revelatory book Singer tracks accidental death in America from turn of the century factories and coal mines to today s urban highways rural hospitals and Superfund sites The automobile industry popularized the idea of jaywalking to redirect blame away from cars and their drivers Racist planning policies built hazardous highway conditions straight through Black neighborhoods and then blamed Black and Latino victims Drawing connections between traffic accidents accidental opioid overdoses and accidental oil spills Singer proves that what we call accidents are hardly random Rather who lives and dies by an accident in America is defined by money and power She also presents a variety of actions we can take as individuals and as a society to stem the tide of accidents saving lives and holding the guilty to account

[Advanced Safety Management](#) Fred A. Manuele, 2020-03-13 Establishes sound safety management principles and focuses on the revised Z10 0 safety standard the new 45001 safety standard and serious injury prevention Filled with updated chapters and information throughout this book covers the provisions of ANSI ASSP Z10 0 2019 the American standard for Occupational Health and Safety Management Systems It expands in detail on the principles for advanced safety management the content of the revised Z10 0 standard and the newly adopted international standard ISO 45001 It also emphasizes the need to reduce the occurrence of serious injuries illnesses and fatalities Advanced Safety Management Focusing on Z10 0 45001 and Serious Injury Prevention Third Edition expands on the material in previous editions and includes several new chapters emphasizing culture systems design and incident investigations Beginning with an overview of ANSI ASSP Z10 0 2019 and ANSI ASSP ISO 45001 2018 it goes on to offer chapters on Essentials for the Practice of Safety Human Error Avoidance Hazards Analyses and Risk Assessments Three and Four Dimensional Risk Scoring Systems Safety Design Reviews The Procurement Process Audit Requirements The Management Oversight and Risk Tree MORT and more Expands in detail on the principles for advanced safety management the content of the revised ANSI ASSP Z10 0 standard and the newly adopted international standard ISO 45001 New chapters cover the Significance of An Organization s Culture Fundamental Concepts and Systems Macro Thinking Places emphasis on the more prominent risk based approach in the practice of safety Provides methods to align safety operational and financial goals along with quality and environmental standards Explains the concepts of risk reduction waste reduction environmental impact deduction and

Prevention through Design PtD Advanced Safety Management is an important book for safety professionals industrial hygienist plant managers OSHA and EPA advocates students majoring in safety or industrial hygiene and union leaders

Patient Safety and Quality Improvement in Healthcare Rahul K. Shah, Sandip A. Godambe, 2020-12-15 This text uses a case based approach to share knowledge and techniques on how to operationalize much of the theoretical underpinnings of hospital quality and safety Written and edited by leaders in healthcare education and engineering these 22 chapters provide insights as to where the field of improvement and safety science is with regards to the views and aspirations of healthcare advocates and patients Each chapter also includes vignettes to further solidify the theoretical underpinnings and drive home learning End of chapter commentary by the editors highlight important concepts and connections between various chapters in the text **Patient Safety and Quality Improvement in Healthcare A Case Based Approach** presents a novel approach towards hospital safety and quality with the goal to help healthcare providers reach zero harm within their organizations

Patient

Safety in Emergency Medicine Pat Croskerry, Karen S. Cosby, 2009 With the increased emphasis on reducing medical errors in an emergency setting this book will focus on patient safety within the emergency department where preventable medical errors often occur The book will provide both an overview of patient safety within health care the culture of safety importance of teamwork organizational change and specific guidelines on issues such as medication safety procedural complications and clinician fatigue to ensure quality care in the ED Special sections discuss ED design medication safety and awareness of the culture of safety

The British National Bibliography Arthur James Wells, 2006

The Controller

, 2001 Uranometria 2000.0: Deep sky field guide, 2001 *Commercial Aviation Safety, Seventh Edition* Anthony Lawrenson, Clarence C. Rodrigues, Shem Malmquist, Matthew Greaves, Graham Braithwaite, Stephen K. Cusick, 2023-06-02 Your definitive guide to commercial aviation safety fully updated to cover the latest regulations and practices This thoroughly revised guide covers all the principles and practices of commercial aviation safety from human factors and accident investigation to management strategies and regulatory compliance Written by a team of experts Commercial Aviation Safety Seventh Edition delivers comprehensive risk management information both on the ground and in the air You will get plain language explanations of the latest standards from the International Civil Aviation Organization ICAO the Federal Aviation Administration FAA the European Union Aviation Safety Agency EASA and other National Aviation Authorities NAAs Up to date U S and international accident statistics also are provided Each section of the book includes detailed real world examples as well as analysis and explanations of the core issues This new edition covers The evolution of commercial aviation safety Safety terms theories and models Commercial aviation accidents causes International aviation accident investigation processes Aircraft airport and air traffic safety systems Human fallibility risk mitigation Safety culture assessment and management Safety system theory and practice International and U S aviation safety management systems and data Proactive system safety procedures and protocols Aviation security methods Up to date codes and regulations The role of

government in safety Emerging trends in commercial aviation safety **Understanding Patient Safety, Third Edition** Robert Wachter,Kiran Gupta,2017-12-01 Now revised and updated the landmark patient safety primer written by the world's leading authorities Medical errors are the unfortunate byproduct of an increasingly complex healthcare system Now more than ever keeping patients safe takes well trained caregivers relevant insights from a range of industries additional investment and a groundbreaking text like Understanding Patient Safety Understanding Patient Safety is must read for those seeking to master the clinical organizational and systems issues of patient safety In this bestselling primer patient safety pioneer Robert Wachter and Kiran Gupta put all the essential tools and principles at your fingertips Engaging and accessible the book is filled with high yield cases analyses tables graphics along with key points and references all designed to help you optimize quality and safety Understanding Patient Safety begins with an introduction to patient safety and medical errors Its second section surveys specific types of medical errors including those related to surgery medications diagnosis transition and handoff and infections The third section covers proven solutions from establishing reporting systems to creating a culture of safety The third edition reflects pivotal new developments in the field including major updates in diagnostic errors information technology and patient safety ambulatory safety and clinician burnout Features Coverage of human factors and errors at the person machine interface Review of workplace issues including supporting caregivers after major errors How to organize an effective safety program Coordination of patient education and training Overview of the malpractice system Discussion of the patient's role **Understanding Policy Success** Allen McConnell,2010-08-11 Success and failure are key to any consideration of public policy but there have been remarkably few attempts to assess systematically the various dimensions and complex nature of policy success This important new text fills the gap by developing a systematic framework and offering an entirely new way of introducing students to policy analysis **Bibliographie Mensuelle** United Nations Library (Geneva, Switzerland),2010 **EMBC 2004** IEEE Engineering in Medicine and Biology Society. Conference,2004

Emergency Medicine Secrets Vincent J. Markovchick,2006 The Secrets Series R is breaking new ground again This updated and expanded edition will cover all aspects of emergency medicine Sections include decision making in emergency medicine primary complaints nontraumatic illness central nervous system respiratory system cardiovascular system gastrointestinal tract genitourinary tract hematology oncology metabolism and endocrinology infectious disease environmental emergencies neonatal and childhood disorders toxicologic emergencies gynecology and obstetrics trauma behavioral emergencies emergency medicine administration and risk management and medical oversight and disaster management A new two color page layout a more portable size and a list of the Top 100 Secrets in emergency medicine help readers to better meet the challenges they face today And at no extra charge purchasers also receive online access to the complete contents of the text via Elsevier's innovative STUDENTConsult.com website Readers will still find all of the features they rely on the Secret Series R for a question and answer format lists mnemonics and tables and an informal tone that make

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