



Risk Assessment: A Practical Guide to Assessing Operational Risks

By Georgi Popov, Bruce K. Lyon, Bruce Hollcroft



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- Written as a primer for students and employed safety professionals covering the fundamentals of risk assessment and emphasizing a practical approach in the application of the techniques
- Each chapter is developed as a stand-alone essay, making it easier to cover a subject
- Includes interactive exercises, links, videos, and downloadable risk assessment tools
- Addresses criteria prescribed by the Accreditation Board for Engineering and Technology (ABET) for safety programs

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Editorial Review

From the Back Cover

A “Risk-centric” Approach—The Future of the Safety Profession

The information and tools contained in “Risk Assessment: A Practical Guide to Assessing Operational Risks” should get into the hands and minds of every practicing Environmental, Health and Safety (EH&S) Professional. The biggest risk to an organization is not taking a risk-based approach to protecting people, property and the environment. Organizational confidence in assessing operational risks will come when adopting and building upon the principles and learning’s that come from these author’s body of work. Defining what “Safe” looks like must become the future of our profession.”

Dave Walline, CSP —Committee Chair, ASSE Risk Assessment Institute 2013-2015

Risk Assessment: A Practical Guide to Assessing Operational Risk provides the fundamentals on risk assessment, with practical applications, for undergraduate and graduate students and employed safety, health, and environmental professionals who recognize that they are expected to have risk assessment capabilities.

This book fills a void. No other textbook has been written as a primer for students and employed safety professionals that covers the fundamentals of risk assessment and emphasizes taking a practical approach in the application of the techniques. In addition, the book addresses seven of the Accreditation Board for Engineering and Technology (ABET) criteria for safety programs.

Over time, risk assessments have been given more prominence as an element in an operational risk management system. This text will serve the needs of professors at a university level who sense the need for their students to have knowledge and capability with respect to risk assessment. It will also serve as a primer for employed safety professionals who need a practical guide on various risk assessment techniques.

Risk assessment methods including task analysis, job risk assessment, preliminary hazard analysis, failure mode and effects analysis, what-if analysis, and bow-tie analysis, as well as specific applications including design safety reviews, ergonomic risks, food safety, organizational risk assessment, and project risk are covered in a step by step approach.

Including numerous interactive exercises, links, videos, and downloadable risk assessment tools this textbook can be used by undergraduate and graduate students and employed safety, health, and environmental professionals who recognize that they are expected to have risk assessment capabilities

Georgi Popov, PhD, QEP, CMC is an associate professor at the University of Central Missouri where he teaches risk assessment. His research interests include industrial hygiene, safety management, risk assessment, PtD, air quality, alternative fuels, LEAN Six Sigma practices, and business aspects of Environmental, Health and Safety. His experience is unique with both civilian and military environmental, health and safety programs.

Bruce K. Lyon, CSP, P.E., ARM, CHMM is Director of Risk Control Services for Hays Companies in Kansas City and has over 30 years of experience conducting and facilitating operational risk assessments

while working in the consulting and insurance industries. He holds a B.S. Degree in Industrial Safety and M.S. Degree in Occupational Safety Management from University of Central Missouri.

Bruce D. Hollcroft, CSP, ARM, CHMM is Director of Risk Control Services for Hays Companies in the west-ern United States and has over 30 years of risk consulting, including three years in New Zealand. He holds a B.S. in Industrial Safety, and has completed graduate studies toward an M.S. in Safety Management from the University of Central Missouri.

Users Review

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James Williamson:

This Risk Assessment: A Practical Guide to Assessing Operational Risks book is not really ordinary book, you have it then the world is in your hands. The benefit you have by reading this book is usually information inside this reserve incredible fresh, you will get info which is getting deeper an individual read a lot of information you will get. This specific Risk Assessment: A Practical Guide to Assessing Operational Risks without we comprehend teach the one who looking at it become critical in imagining and analyzing. Don't end up being worry Risk Assessment: A Practical Guide to Assessing Operational Risks can bring any time you are and not make your case space or bookshelves' turn out to be full because you can have it in the lovely laptop even cell phone. This Risk Assessment: A Practical Guide to Assessing Operational Risks having good arrangement in word along with layout, so you will not truly feel uninterested in reading.

Charles Baker:

The experience that you get from Risk Assessment: A Practical Guide to Assessing Operational Risks is a more deep you rooting the information that hide within the words the more you get considering reading it. It does not mean that this book is hard to recognise but Risk Assessment: A Practical Guide to Assessing Operational Risks giving you enjoyment feeling of reading. The article writer conveys their point in selected way that can be understood through anyone who read it because the author of this publication is well-known enough. This specific book also makes your own personal vocabulary increase well. That makes it easy to understand then can go along, both in printed or e-book style are available. We highly recommend you for having this Risk Assessment: A Practical Guide to Assessing Operational Risks instantly.

Jodi Harper:

Risk Assessment: A Practical Guide to Assessing Operational Risks can be one of your starter books that are good idea. Many of us recommend that straight away because this book has good vocabulary that can increase your knowledge in vocabulary, easy to understand, bit entertaining but nevertheless delivering the information. The article author giving his/her effort to get every word into enjoyment arrangement in writing Risk Assessment: A Practical Guide to Assessing Operational Risks nevertheless doesn't forget the main place, giving the reader the hottest along with based confirm resource details that maybe you can be one among it. This great information can certainly drawn you into brand new stage of crucial considering.

Olga Snider:

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