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Aace International Decision And Risk Management Professionaltm Drmp Tm Certification Study Guide

"This book provides a presentation of teaching cases emphasizing the positive and negative experiences on a variety of management topics, focusing on organizational behavior and leadership in Arab countries and the impact of culture in management and behavior"--Provided by publisher.

This volume contains the edited technical

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presentations of PROLMAT 2006, the IFIP TC5 international conference held on June 15-17, 2006 at the Shanghai University in China. The papers collected here concentrate on knowledge strategies in Product Life Cycle and bring together researchers and industrialists with the objective of reaching a mutual understanding of the scientific - industry dichotomy, while facilitating the transfer of core research knowledge to core industrial competencies.

Whole life-cycle costing (WLCC) is rapidly becoming the standard method for the long-term cost appraisal of buildings and civil

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infrastructure projects. With clients now demanding buildings that demonstrate value for money over the long term, WLCC has become an essential tool for those involved in the design, construction, operation and risk analysis of construction projects. Whole-life costing: risk and risk responses offers a thorough grounding in both the theory and practical application of WLCC. Part I deals with the fundamentals, providing the general background to appreciate WLCC concepts and whole life risk management techniques at the key decision-making milestones through a project's life. Part II covers the design

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stage, including service life forecasting and environmental life-cycle assessment techniques in WLCC. Practical frameworks both for assessing whole life risks and risk responses, as well as guidance on developing WLCC budget estimates are also developed. In Part III, the authors consider WLCC during the construction and operations stages, with a strong emphasis upon risk analysis methods and dynamic WLCC assessment. With its mixture of established theory, best practice and innovative approaches, this book will help you make more accurate assessments of the long-term cost effectiveness of projects by:

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providing a thorough grounding in the theory of WLCC demonstrating how decision-making uncertainty can be reduced by basing choices on sound risk management principles identifying a systematic approach to planning the post-occupancy costs.

Aiming to bridge the gap between the quantitative viewpoint of management science and the practical, day-to-day needs of project cost management, this text offers coverage of an integrated cost management programme. It presents the use of method study techniques to increase the effectiveness of procedures and improve the

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productivity of resources, emphasizing a systematic approach to cost control.

Skills and Knowledge of Cost Engineering 6th Edition

Non-linear Monte Carlo and System Dynamics Methodologies

Concepts and Guidance

Construction Manager-at-risk Project Delivery for Highway Programs

Decision and Risk Management Professional (DRMP) Certification Study Guide

Concepts, Methodologies, Tools, and Applications

This book is intended as a basis for advanced treatment

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of concepts in project management. In the current scenario where most questions are answered through the internet, the knowledge element in project management has come under the influence of disruptive technologies. In other words, project managers no longer get 'points' for knowing something that is easily available on the internet. This has far-reaching consequences. The present day project managers need to orient themselves to newer benchmarks of what is required for success on the business front. This book deals with a few such advanced concepts in project management. This book is not designed as an elementary primer to the field of project management, rather it is an advanced level

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treatment on the subject, to be read after the preliminary study has already been completed. The book is designed for practicing project managers, and graduate students in engineering and management, who need to understand the dynamics that are typically encountered in a project-based environment. The content in the book is based on extensive study of literature and training programs. Many of the tools have been developed on the basis of modeling and simulation methods that are specially designed by the author. These were tested at several live projects across the globe. Most of the exercises in the book are actually meant for the reader to perform as they go. The book is not designed with a 'read-all-and-come-

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back-later' approach, rather it focuses on 'learning by doing', whereby the reader is expected to do the exercises before reading on. The book will prove useful in self-learning, as well as in classroom teaching and professional training programs.

Project practitioners and decision makers complain that both parametric and Monte Carlo methods fail to produce accurate project duration and cost contingencies in majority of cases. Apparently, the referred methods have unacceptably high systematic errors as they miss out critically important components of project risk exposure. In the case of complex projects overlooked are the components associated with structural and delivery

complexity. Modern Risk Quantification in Complex Projects: Non-linear Monte Carlo and System Dynamics Methodologies zeroes in on most crucial but systematically overlooked characteristics of complex projects. Any mismatches between two fundamental interacting subsystems - a project structure subsystem and a project delivery subsystem - result in non-linear interactions of project risks. Three kinds of the interactions are distinguished - internal risk amplifications stemming from long-term ('chronic') project system issues, knock-on interactions, and risk compounding. Affinities of interacting risks compose dynamic risk patterns supported by a project system. A methodology

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to factor the patterns into Monte Carlo modelling referred to as non-linear Monte Carlo schedule and cost risk analysis (N-SCRA) is developed and demonstrated. It is capable to forecast project outcomes with high accuracy even in the case of most complex and difficult projects including notorious projects-outliers: it has a much lower systematic error. The power of project system dynamics is uncovered. It can be adopted as an accurate risk quantification methodology in complex projects. Results produced by the system dynamics and the non-linear Monte Carlo methodologies are well-aligned. All built Monte Carlo and system dynamics models are available on the book's companion website.

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A Guide to the Project Management Body of Knowledge (PMBOK® Guide) provides generalized project management guidance applicable to most projects most of the time. In order to apply this generalized guidance to construction projects, the Project Management Institute has developed the Construction Extension to the PMBOK® Guide. This Construction Extension provides construction-specific guidance for the project management practitioner for each of the PMBOK® Guide Knowledge Areas, as well as guidance in these additional areas not found in the PMBOK® Guide:

- All project resources, rather than just human resources*
- Project health, safety, security, and environmental*

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management. Project financial management, in addition to cost. Management of claims in construction This edition of the Construction Extension also follows a new structure, discussing the principles in each of the Knowledge Areas rather than discussing the individual processes. This approach broadens the applicability of the Construction Extension by increasing the focus on the “what” and “why” of construction project management. This Construction Extension also includes discussion of emerging trends and developments in the construction industry that affect the application of project management to construction projects. This practical guide covers the steps necessary to

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sustain quality in a project from start to finish. The book shows how to identify risks at different processes, phases, and stages and offers directions on how to mitigate and reduce risks using analysis, evaluation, and monitoring. Risk Management Applications Used to Sustain Quality in Projects: A Practical Guide focuses on applying risk management principles to manage quality in all project management processes, stages, and phases. The book discusses the potential risks that may occur at the different phases of the project life cycle, their effects on projects, and how to prevent them. It explores all the process elements and activities of risk management and provides steps on how to make the project more

qualitative, competitive, and economical. Risk management processes are discussed at each project management processes and project lifecycle phase/stage to help the reader understand how various risks can occur and how to mitigate and reduce them. The main audience for this book is project management professionals, quality managers, systems engineers, construction managers, and risk management professionals as well as industrial engineers, academics, and students.

*Proceedings of PROLAMAT 2006, IFIP TC5,
International Conference, June 15-17 2006, Shanghai,
China*

Decision Analysis for Managers, Second Edition

*Managing Project Risks for Competitive Advantage in
Changing Business Environments*

Innovation and International Corporate Growth

*Total Cost Management Framework, an Integrated
Approach to Portfolio, Program, and Project Management*
Cost Management of Capital Projects

The proper understanding and managing of project risks and uncertainties is crucial to any organization. It is of paramount importance at all phases of project development and execution to avoid poor project results from meager economics,

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overspending, reputation and environmental damage, and even loss of life. The Handbook of Research on Leveraging Risk and Uncertainties for Effective Project Management is a comprehensive reference source for emerging perspectives of managing risks associated with the execution and development of projects. Highlighting innovative coverage written by top industry specialists, such as complexity theory, psychological bias and risk management fallacies, probabilistic risk analysis, and various aspects of

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project decision making, this book is ideally designed for project and risk managers, project engineers, cost estimators, schedulers, safety and environmental protection specialists, corporate planners, financial and insurance specialists, corporate decision makers, as well as academics and lecturers working in the area of project management and students pursuing PMP, PMI-RMP, ISO 31000, etc. certification.

Risk management is a vital concern in any organization. In order to succeed in the

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competitive modern business environment, the decision-making process must be effectively governed and managed. *Managing Project Risks for Competitive Advantage in Changing Business Environments* presents critical discussions on effective risk management in projects and methods to ensure overall success in project outcomes. Highlighting theoretical foundations, innovative practices, and real-world applications, this book is a pivotal reference source for managers, practitioners, upper-level students, and

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other professionals interested in how to properly adopt project risk management systems and tools.

Making the specifics of a complex concern accessible and its handling quite manageable, this fourth edition of the Project and Cost Engineers' Handbook examines the variables associated with international projects and project risk analysis. It provides instruction on contingency planning, delves into ethical considerations, considers the impact of risk management practices are growing both

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in number and complexity in businesses, notably driven by new regulatory standards that feature risk management at their core. Although large businesses are more likely to adopt a formal, holistic approach to risk management, the stakes are just as high for SMEs. Risk management in SMEs can contribute to a certain organizational, entrepreneurial and partnership dynamic which constitutes a real opportunity to evolve practices and improve performance. This book offers varied responses to this question by

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combining conceptual approaches, empirical illustrations and the associated managerial implications.

Principles, Concepts, and Practical Applications

Risk Management in Public-Private Partnerships

A Practical Guide

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Project Risk Management

A Publication of the American Association

Acces PDF Aace International Decision And Risk Management Professionaltm Drmp Tm Certification Study Guide of Cost Engineers

Project managers tend to believe their cost estimates - whether they have exceeded budgets in the past or not. It is dangerous to accept the engineering cost estimates, which are often optimistic or unrealistic. Though cost estimates incorporate contingency reserves below-the-line, these estimates of reserves often do not benefit from a rigorous assessment of risk to project costs. Risks to cost come from multiple sources including uncertain project duration, which is often ignored in cost risk analyses. In short, experience shows that cost estimating on projects is rarely successful - cost overruns routinely occur. There are effective ways to estimate the impact on the cost of complex projects from project risks of all types, including traditional cost-type risks

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and the indirect but often substantial impact from risks usually thought of as affecting project schedules. Integrated cost-schedule risk analysis helps us determine how likely the project will go over budget with the current plan, how much contingency reserve is required to achieve a desired level of certainty, and which risks are most important so the project manager can mitigate them and achieve a better result.

Integrated Cost-Schedule Risk Analysis provides solutions for these and other challenges. This book follows on from David Hulett's highly-praised Practical Schedule Risk Analysis. It focuses on the way that schedule risk can generate cost risk, and how to handle this relationship. It also applies the Risk Driver Method to the analysis so that you can clearly and transparently identify the key risks, rather than just the most

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risky cost line items. With detailed worked examples and over 70 illustrations, Integrated Cost-Schedule Risk Analysis offers the definitive guide to this critically important aspect of project management from surely the world's leading commentator. AACE International is proud to offer Skills and Knowledge of Cost Engineering, 6th Edition. This Education Board publication provides comprehensive and in-depth information on a wide range of cost engineering subjects and will prove to be a valuable resource to any individual seeking professional growth or pursuing an AACE International certification. The authors of the individual chapters are well-known and well-respected members of the cost engineering community, who brought their knowledge and wealth of experience to the creation of this publication. This publication offers six sections

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comprising 34 chapters of content on topics such as cost estimating, project planning, value engineering, and strategic asset management, to name a few.

The implementation of effective decision making protocols is crucial in any organizational environment in modern society. Emerging advancements in technology and analytics have optimized uses and applications of decision making systems. *Decision Management: Concepts, Methodologies, Tools, and Applications* is a compendium of the latest academic material on the control, support, usage, and strategies for implementing efficient decision making systems across a variety of industries and fields. Featuring comprehensive coverage on numerous perspectives, such as data visualization, pattern analysis, and predictive analytics, this

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multi-volume book is an essential reference source for researchers, academics, professionals, managers, students, and practitioners interested in the maintenance and optimization of decision management processes.

Decision Analysis for Petroleum Exploration By Paul D. Newendorp

Capturing the Value of Audit, Oversight, and Compliance for Project Success

Central and Southern Florida Project, C-111 Spreader Canal Western Project

Certified Cost Professional (CCP) Certification Study Guide Project Performance Review

Risk and Risk Responses

Knowledge Enterprise: Intelligent Strategies in Product

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Design, Manufacturing, and Management

An easy to implement, practical, and proven risk management methodology for project managers and decision makers Drawing from the author's work with several major and mega capital projects for Royal Dutch Shell, TransCanada Pipelines, TransAlta, Access Pipeline, MEG Energy, and SNC-Lavalin, Project Risk Management: Essential Methods for Project Teams and Decision Makers reveals how to implement a consistent application of risk methods, including probabilistic methods. It is based on proven training materials, models, and tools developed by the author to make risk

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management plans accessible and easily implemented. Written by an experienced risk management professional Reveals essential risk management methods for project teams and decision makers Packed with training materials, models, and tools for project management professionals Risk Management has been identified as one of the nine content areas for Project Management Professional (PMP®) certification. Yet, it remains an area that can get bogged down in the real world of project management. Practical and clearly written, Project Risk Management: Essential Methods for Project Teams and Decision Makers

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equips project managers and decision makers with a practical understanding of the basics of risk management as they apply to project management. (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

AACE International's Certified Estimating Professional (CEP) Certification Study Guide, 2nd edition, summarizes the recommended study areas that candidates should review in preparing to take this AACE certification examination. The intent of the study guide is to assemble and summarize various topics considered essential for CEP knowledge, as

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outlined in AACE Recommended Practice 11R-88, Required Skills and Knowledge of Cost Engineering, and included in the current edition of AACE's Skills and Knowledge of Cost Engineering and the Total Cost Management (TCM) Framework.

The latest edition of the gold standard in construction project management references The newly revised sixth edition of the Code of Practice for Project Management for the Built Environment, prepared by the Chartered Institute of Building, is an up-to-date and comprehensive reference covering the principles and practice of project management in construction and development. This latest edition

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covers the new technologies, internationalisation, changing legislation, and productivity and profitability challenges faced by contractors which all combine to drive significant change in the industry. The book demonstrates the application of systematic documentation and quality control to complex construction projects and offers guidance and tools that link key principles to practical project management. It is worldwide in scope and widely recognised as the industry standard on the subject. With fresh discussions of quality assurance, global codes and standards, time management, joint ventures, contract compliance, supply chain

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integration, design digitisation, and much more, the Code of Practice for Project Management for the Built Environment also includes: A thorough introduction to project inception, feasibility analysis, strategy, and the pre-construction process Comprehensive explorations of the construction stage of projects, as well as testing and commissioning, and project completion, handover, and operation Practical discussions of post-completion review A glossary and index of essential terms in construction project management Perfect for project management professionals in construction contracting and client organisations,

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Code of Practice for Project Management for the Built Environment will also earn a place in the libraries of undergraduate and postgraduate students of project management and construction-related subjects. The Chartered Institute of Building is the world's largest professional body for construction management and leadership. It has a Royal Charter to promote the science and practice of building and construction for the benefit of society. Members across the world work in the development, conservation, and improvement of the built environment.

The Decision and Risk Management Professional

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(DRMP) Certification (DRMP) Study Guide provides study materials for AACE International's specialty DRMP certification test. AACE International is The Authority for Total Cost Management, a non profit education oriented membership association.

Whole Life-Cycle Costing

Integrated Cost-Schedule Risk Analysis

A Practitioner's Guid to Realistic Cost and Schedule Risk Management

Fuzzy Hierarchical Model for Risk Assessment

Quantifying Intangible Risk Factors in Projects

An Integrated Approach to Portfolio, Program, and Project Management

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Bad scheduling can doom a construction project from the start. Construction Project Scheduling and Control provides a comprehensive examination of the analytical methods used to devise a reasonable, efficient, and successful schedule for construction projects of all sizes. This updated third edition contains new information on building image modeling (BIM) and its relationship to project scheduling and control, as well as thorough coverage of the latest developments in the field. Written by a

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career construction professional, this informative text introduces students to new concepts in CPM scheduling, including the author's own Dynamic Minimum Lag technique. The expanded glossary and acronym list facilitate complete understanding, and the numerous solved and unsolved problems help students test their knowledge and apply critical thinking to issues in construction scheduling. A complete instructor's manual provides solutions to all problems in the book, test questions for each chapter, and

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additional exam questions for more comprehensive testing. The entire success of a construction process hinges on an efficient, well-thought out schedule, which is strictly defined while allowing for inevitable delays and changes. This book helps students learn the processes, tools, and techniques used to make projects run smoothly, with expert guidance toward the realities of this complex function. Discover realistic scheduling solutions and cutting edge methods Learn the duties,

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responsibilities, and techniques of project control Get up to date on the latest in sustainability, BIM, and lean construction Explore the software tools that help coordinate scheduling Scheduling encompasses everything from staff requirements and equipment needs to materials delivery and inspections, requiring a deep understanding of the process. For the student interested in construction management, Construction Project Scheduling and Control is an informative text on the field's current

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best practices.

Project Risk Quantification presents the most practical, realistic, and integrated approach to project cost and schedule Risk Quantification that is available today. It offers proven, empirically-valid methods and tools applicable to projects of all types and at all decision gates. The text is written for both the manager and the risk analysis practitioner. It will bring reliable accuracy and contingency determination to your capital project organization.

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Risk management is often complicated by situational uncertainties and the subjective preferences of decision makers. Fuzzy Hierarchical Model for Risk Assessment introduces a fuzzy-based hierarchical approach to solve risk management problems considering both qualitative and quantitative criteria to tackle imprecise information. This approach is illustrated through number of case studies using examples from the food, fashion and electronics sectors to cover a range of applications including supply

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chain management, green product design and green initiatives. These practical examples explore how this method can be adapted and fine tuned to fit other industries as well. Supported by an extensive literature review, Fuzzy Hierarchical Model for Risk Assessment comprehensively introduces a new method for project managers across all industries as well as researchers in risk management. this area.

AACE International developed the "Decision and Risk Management Professional (DRMP)

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Certification Study Guide" for two reasons. First it is to aid professionals studying for AACE International's (AACE) specialty certification in Decision and Risk Management (DRM). Second, to assemble and summarize various topics considered essential for DRMP knowledge, as outlined in AACE International's Recommended Practice 11R-88, "Required Skills and Knowledge of Cost Engineering," and included in the current edition of AACE International's "Skills and Knowledge of Cost Engineering."The "Decision and Risk

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Management Professional (DRMP) Certification Study Guide" (study guide) serves the needs of DRM professionals who are preparing to take the AACE International DRMP certification examination. It is organized in a concise and easy-to-follow format and covers the major skills and knowledge used by a DRM professional.

Essential Methods for Project Teams and Decision Makers

Cost Engineering

The Engineer's Cost Handbook

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A Guide for Making Better Personal and Business Decisions

Modern Risk Quantification in Complex Projects

Perspectives on Risk, Assessment and Management Paradigms

TRB's National Cooperative Highway Research Program (NCHRP) Synthesis 402: Construction Manager-at-Risk Project Delivery for Highway Programs explores current methods in which state departments of transportation and other public engineering agencies are applying construction manager-at-risk (CMR) project delivery to their construction projects. CMR project delivery is an integrated team approach to the

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planning, design, and construction of a highway project, to help control schedule and budget, and to help ensure quality for the project owner. The team consists of the owner; the designer, who might be an in-house engineer; and the at-risk construction manager. The goal of this project delivery method is to engage at-risk construction expertise early in the design process to enhance constructability, manage risk, and facilitate concurrent execution of design and construction without the owner relinquishing control over the details of design as it would in a design-build project.

Total cost management (TCM) is the effective application of professional and technical expertise to plan and control resources, costs, profitability and risk. Simply stated, TCM is a

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systematic approach to managing costs throughout the life cycle of any enterprise, program, facility, project, product or service. The TCM Framework is a representation of that 'systematic approach.' The TCM Framework is a structured, annotated process map that for the first time explains each practice area of the cost engineering field in the content of its relationship to the other practice areas including allied professions. As the book subtitled says, it is a process for applying the skills and knowledge of cost engineering. A key feature of the TCM Framework is that it highlights and differentiates the main cost management application areas: project control and strategic asset management. The TCM Framework is a significant, original contribution to the cost

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management profession applicable to all industries. It is an AACE International cornerstone technical document that joins the current body of knowledge literature for related fields such as project management, operations management, and management accounting. It is also consistent with the latest organizational and portfolio thinking which ties all practices and processes back to overall business strategies and objectives. As a "framework," this document is not a "how-to" instructional guide, but a conceptual representation that provides a structured, integrated overview of cost engineering. Project risk management is regarded as a necessary dimension of effective project delivery. Current practices tend to focus on tangible issues such as late delivery of equipment or the

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implications of technology. This book introduces a framework to identify emergent behavior-centric intangible risks and the conditions that initiate them. *Decision Making in Risk Management: Quantifying Intangible Risk Factors in Projects* identifies the quantitative measures to assess behavior-induced risks by presenting a framework that limits the interpersonal tension of addressing behavioral risks. Included in the book is an illustrative case study from the oil and gas sector that demonstrates the use of the framework. The missing dimension of behavior-centric intangible risk factors in current risk identification is explored. The book goes on to cover management processes, providing a systematic analytical approach to mitigate subjectivity when addressing behavioral

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risks in projects. This book is useful to those working in the fields of Project Management, Systems Engineering, Risk Management, and Behavioral Science.

Public-Private Partnership (PPP) is a channel through which the public sector can seek alternative funding and expertise from the private sector to procure public infrastructure.

Governments around the world are increasingly turning to Public-Private Partnerships to deliver essential goods and services. Unfortunately, PPPs, like any other public procurement, can be at risk of corruption. This book begins by looking at the basics of PPP and the challenges of the PPP process. It then conceptualizes the vulnerability of various stages of Public-Private Partnership models and corruption risk

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against the backdrop of contract theory, principal-agent theory and transaction cost economics. The book also discusses potential control mechanisms. The book also stresses the importance of good governance for PPP. It outlines principles and procedures of project risk management (PRM) developed by a working party of the Association of Project Managers. Finally, the book concludes by proposing strategies and solutions to overcome the limitations and challenges of the current approach toward PPP.

Risk Management

AACE International's Certified Estimating Professional (CEP)
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Risk Management Applications Used to Sustain Quality in

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Projects

Tools, Trends, and the Impact of Disruptive Technologies

Decision Management: Concepts, Methodologies, Tools, and
Applications

Decision Analysis for Petroleum Exploration

*Offers coverage of each important step in
engineering cost control process, from
project justification to life-cycle costs.
The book describes cost control systems and
shows how to apply the principles of value
engineering. It explains estimating
methodology and the estimation of
engineering, engineering equipment, and*

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construction and labour costs

This book explores various paradigms of risk, domain-specific interpretation, and application requirements and practices driven by mission and safety critical to business and service entities. The chapters fall into four categories to guide the readers with a specific focus on gaining insight into discipline-specific case studies and state of practice. In an increasingly intertwined global community, understanding, evaluating, and addressing risks and rewards will pave the way for a more transparent and objective approach to benefiting from the promises of

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advanced technologies while maintaining awareness and control over hazards and risks. This book is conceived to inform decision-makers and practitioners of best practices across many disciplines and sectors while encouraging innovation towards a holistic approach to risk in their areas of professional practice.

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Everybody has to make decisions—they are unavoidable. However, we receive little or no education or training on how to make

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decisions. Business decisions are difficult: which people to hire, which product lines or facilities to expand, which proposal to accept, how much R&D to invest in, which environmental projects are high priority, etc. Personal decisions (college, getting married, changing jobs, buying a house, retiring, dealing with a health problem) can be even more difficult. This book gives you the tools you need to
ÉClarify and reach alignment on goals and objectives; Understand trade-offs associated with reaching those objectives; Develop and examine alternatives; Systematically analyze the effects of risk

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and uncertainty, and; Maximize the chances of achieving your goals. Success (getting what you want) depends on luck and good decision-making. You can't control your luck, but you can maximize your odds by making the best possible decisions, and this book gets you there. The author organizes and presents otherwise formal decision-making tools in an intuitively understandable fashion. The presentation is informal, but the concepts and tools are research-based and formally accepted. Whether you are a business owner, a manager or team leader, or a senior professional, these tools will help both your

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personal and your business life.

Risk Management for Design and Construction

Decision Making in Risk Management

Cases on Management and Organizational

Behavior in an Arab Context

Handbook of Research on Leveraging Risk and

Uncertainties for Effective Project

Management

A Forward Looking Approach to Project

Management

Code of Practice for Project Management for

the Built Environment

Research and development (R&D) as well as innovation

are the drivers of change and the key determinants of

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growth in many industry and service sectors. In spite of the financial turmoil and restructuring of the world economy after 2008, investment in R&D is expected to grow further. Innovation competence will continue to be a major success factor for internationally operating companies. The book presents a state-of-the-art account of innovation management and the role of R&D and innovation strategy for corporate growth and renewal. It follows a top-down approach starting from corporate strategy, and describes the effective integration of corporate R&D, business unit projects and operational performance improvements. The book offers portraits of leading innovators and high-

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performing corporations and provides a rich collection of best-practice examples.

The essential risk assessment guide for civil engineering, design, and construction Risk management allows construction professionals to identify the risks inherent in all projects, and to provide the tools for evaluating the probabilities and impacts to minimize the risk potential. This book introduces risk as a central pillar of project management and shows how a project manager can be prepared for dealing with uncertainty. Written by experts in the field, Risk Management for Design and Construction uses clear, straightforward terminology to demystify the concepts

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*of project uncertainty and risk. Highlights include:
Integrated cost and schedule risk analysis An
introduction to a ready-to-use system of analyzing a
project's risks and tools to proactively manage risks A
methodology that was developed and used by the
Washington State Department of Transportation Case
studies and examples on the proper application of
principles Information about combining value analysis
with risk analysis "This book is a must for professionals
who are seeking to move towards a proactive risk-
centric management style. It is a valuable resource for
students who are discovering the intricacies of
uncertainties and risks within value estimation. For*

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*professionals, the book advocates for identifying and analyzing 'only' risks whose impact are of consequence to a project's performance." —JOHN MILTON, PHD, PE
Director of Enterprise Risk Management, Washington State Department of Transportation*

The AACE International CCP Certification Study Guide, 2nd Edition is designed as a companion workbook to the Skills and Knowledge of Cost Engineering, 6th Edition (S&K 6). In conjunction with S&K 6, this study guide will assist individuals in their preparation for the CCP Certification examination as well as develop the general knowledge a cost engineering professional is expected to have. This study guide offers insight into

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the key topics found in each chapter of S&K 6 and provides practice questions and exercises to better develop knowledge in individual areas.

Project Performance Review focuses on evaluating projects efficiently and in context, identifying important improvement opportunities and leading project and organizational management practices. It advises how these can be put in place to give stakeholders confidence in the control and delivery of their projects without waste. The authors explain not just the mechanism and objective of project performance reviews but also the ideal environment in which they are intended to be implemented. The shaping of this

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environment, by the stakeholders and technical team, is key to achieving your intended outcomes. Without the professional cooperation of all interested and informed parties, the effectiveness of any review may be compromised. Topics addressed include: introducing the project review method, engaging project stakeholders, ensuring project governance, conducting project risk assessments, improving accountability, providing project assurance, organizing and managing projects, optimizing review scope and approach, avoiding review pitfalls, meeting existing audit standards, and proposing alternate approaches to project evaluation.

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Construction Extension to the PMBOK® Guide

Tools for Managing Project Costs