

Table of Contents

Acknowledgement.....	6
Dedication.....	7
Chapter 1.....	8
Understanding Risk: Opportunities or Threat?.....	8
Overview.....	8
What is Risk?.....	10
Chapter 2.....	14
Risk Management Theory and Practice.....	14
Overview.....	14
What is Risk Management?.....	15
Appetite for Risk.....	16
Categories of Risk.....	18
Outcome of Risk Assessment.....	18
Chapter 3.....	20
Developing a Risk Assessment and Mitigation Strategy.....	20
Overview.....	20
Chapter 4.....	25
The Risk Management Process.....	25
Overview.....	25
Risk Identification.....	27
Qualitative and Quantitative Risk Analysis.....	28
Risk Response Planning.....	29
Risk Monitoring and Control.....	29
Chapter 5.....	31
Risk Analysis Tools and Methodologies.....	31
Overview.....	31
Qualitative Risk Analysis: Tools and Techniques.....	31
Risk Probability and Impact Assessment.....	32
Probability and Impact Matrix.....	32
Risk Data Quality Assessment.....	33
Risk Categorization.....	34
Risk Urgency Assessment.....	34
Quantitative Risk Analysis: Tools and Techniques.....	34
Data Gathering and Representation Techniques.....	35
Probability Distributions.....	36
Monte Carlo Simulation.....	37

Sensitivity Analysis.....	38
Decision Tree Analysis	39
Chapter 6.....	41
Identifying Risk	41
Overview	41
Identifying Risks	44
Risk Identification Process.....	47
Best Practices for Risk Identification	51
Chapter 7.....	55
Assessing and Mitigating Risk	55
Overview	55
Four Steps to Risk Assessment.....	57
Prioritizing Risk.....	59
Measuring Risk Impact	60
Measuring Likelihood	64
Risk Mitigation Strategies	65
Risk Assessment Best Practices	66
Chapter 8.....	69
Developing Risk Response Strategies	69
Overview	69
Developing a Risk Response Strategy.....	70
Responding to Risk Events.....	73
Identifying Risk Response Alternatives.....	74
Selecting Response Alternatives	75
Assigning Risk Ownership.....	76
Preparing Risk Response Plans.....	76
Chapter 9.....	78
Implementing Risk Response Controls.....	78
Overview	78
Response Controls and the Risk Registrar	79
Inputs to Risk Monitoring and Controls.....	81
Techniques to Risk Monitoring and Response Control.....	81
Outputs to Risk Monitoring and Response Controls.....	82
Handling Change Requests	83
Chapter 10.....	87
Incident Management and BC/DR Planning.....	87
Overview	87
