

TABLE OF CONTENTS

Chapter	Page
Recognition	iii
1 Overview of the Enterprise Risk Management Guide	1
I. Introduction	1
II. Who Should Use this Guide	1
III. Conceptual Basis	2
2 ERM Concepts and Components	3
I. What does ERM Encompass?	3
Events, Opportunities and Risks	3
The Importance of Taking an Enterprise View	3
Risk Appetite, Risk Tolerance, and Risk Attitude	4
II. Components of Enterprise Risk Management	4
1.0 Internal Environment	5
2.0 Objective Setting	5
3.0 Event Identification	6
4.0 Risk Assessment	8
5.0 Risk Response	11
6.0 Control Activities	12
7.0 Information and Communication	13
8.0 Monitoring	13
III. ERM Roles and Responsibilities	14
Entity Roles	14
Board or Equivalent Roles	14
Entity Management	14
Internal Auditors	15
The Role of External Parties in the ERM Process	15
3 ERM Program Development	17
I. Mobilize	17
Establishing Appropriate Sponsorship	18
Project Governance	18
Planning and Launch	18
Timeline	19
II. Current State Analysis	19
Current State Considerations	19
Gather Documentation	20
Timeline	20
III. Future State Operating Model Design	20
Peer and Industry Analysis	21
Develop a Target ERM Operating Model and Framework	21
Develop the ERM Risk Appetite and Risk Tolerances	21
Link Current ERM Activities to the ERM Program Plan	23
Documenting ERM Policies	23
ERM Program Scalability and Related Considerations	23

Chapter	Page
3 ERM Program Development—continued	
ERM Program Technology Considerations	23
Timeline	24
IV. Gap Analysis	24
Preliminary Observations	24
Recommendations	24
Timeline	24
V. Implementation	25
Develop Implementation Roadmap	25
Project Planning	25
Communication and Training	25
Design Program Performance Metrics	26
Changes to the Implementation Plan	26
Timeline	27
4 ERM Program Maturity Monitoring and Evaluation	29
I. ERM Program Evaluation	29
Approach to an ERM Program Evaluation	30
II. Keeping Up with Change	30
III. Understanding Continuous Improvement	31
IV. Commitment to Continuous Improvement	32
Glossary of Terms	33
Appendix	Page
A COSO and ISO 31000 Framework Mapping	35
B Example ERM Program Maturity Self-Assessment	45
C References	53