Contents

Preface	Xii
Acknowledgments	ХХ
About the Companion Website	ххіі
PART ONE	
Origination	
CHAPTER 1 Fundamentals of Credit Risk What Is Credit Risk?	3 3 5 9
Types of Transactions That Create Credit Risk	5
Who Is Exposed to Credit Risk? Why Manage Credit Risk?	19
CHAPTER 2	
Governance	21
Guidelines	22
Skills	25
Setting Limits	30
Oversight Final Words	30
Final Words	33
CHAPTER 3	
Checklist for Origination	35
Does the Transaction Fit into My Strategy?	36
Does the Risk Fit into My Existing Portfolio?	37
Do I Understand the Credit Risk?	38
Does the Seller Keen an Interest in the Deal?	30

VIII CONTENTS

Are the Proper Mitigants in Place?	40
Is the Legal Documentation Satisfactory?	41
Is the Deal Priced Adequately?	41
Do I Have the Skills to Monitor the Exposure?	42
Is There an Exit Strategy?	43
Final Words	44
PART TWO	
Credit Assessment	
CHAPTER 4	4-7
Measurement of Credit Risk	47
Exposure Probability of Default	47 52
Probability of Default The Recovery Rate	62
The Tenor	63
Direct versus Contingent Exposure	64
The Expected Loss	65
CHAPTER 5	
Dynamic Credit Exposure	67
Long-Term Supply Agreements	68
Derivative Products The Economic Value of a Contract	70
Mark-to-Market Valuation	73 75
Value at Risk (VaR)	78
CHAPTER 6	
Fundamental Credit Analysis	81
Accounting Basics	83
A Typical Credit Report	91
Agency Conflict, Incentives, and Merton's View of	100
Default Risk Final Words	100 105
	103
CHAPTER 7 Alternative Estimations of Credit Quality	107
The Evolution of an Indicator: Moody's Analytics EDF TM	108
Credit Default Swap Prices	114
Bond Prices	120
Final Words	121

Contents ix

CHAPTER 8	
Consumer Finance	123
What Is Consumer Finance?	126
Segmentation of Consumer Finance Products	127
Major Families of Consumer Finance Products	129
Assessment of Credit Quality	136
Decisions by Lenders	139
Regulatory Environment	143
CHAPTER 9	
State and Local Government Credit	145
State and Local Governments	145
Exposure Types	146
Assessing Credit Risk	152
Managing Credit Risk	156
Final Words	160
CHAPTER 10	
Sovereign Credit Risk	161
Sovereign Borrowers	161
Types of Sovereign Bonds	162
Sovereign Debt Market	163
Credit Analysis	163
Mitigation	166
Default and Recovery	167
Final Words	168
CHAPTER 11	400
Securitization	169
Asset Securitization Overview	171
The Collateral	174
The Issuer	178
The Securities	179
Main Families of ABSs	182
Securitization for Risk Transfer	186
Credit Risk Assessment of ABS	189
Warehousing Risk	191
Final Words	192
CHAPTER 12	400
Collateral Loan Obligations (CLOs)	193
Overview of the Corporate Loan Market	194
What Are CLOs?	194

X CONTENTS

Arbitrage CLOs	196
Balance Sheet CLOs	200
ABS CDOs	205
Credit Analysis of CLOs	207
PART THREE	
Portfolio Management	
CHAPTER 13	010
Credit Portfolio Management	213
Level 1	215
Level 2	219 224
Level 3 Organizational Setup and Staffing	224
Organizational Setup and Staffing The IACPM	227
Final Words	227
CHAPTER 14	
Economic Capital and Credit Value at Risk (CVaR)	229
Capital: Economic, Regulatory, Shareholder	230
Defining Losses: Default versus Mark-to-Market (MTM)	232
Credit Value at Risk or CVaR Creating the Loss Distribution	235 242
Active Portfolio Management and CVaR	242
Pricing	251
Final Words	252
CHAPTER 15	
Regulation	255
Doing Business with a Regulated Entity	256
Doing Business as a Regulated Entity	262
How Regulation Matters: Key Regulation Directives Final Words	263 271
CHAPTER 16	
Accounting Implications of Credit Risk	273
Loan Impairment	274
Loan-Loss Accounting	275

Contents Xi

Regulatory Requirements for Loan-Loss Reserves	277
Impairment of Debt Securities	278
Derecognition of Assets	279
Consolidation of Variable Interest Entities (VIEs)	280
Accounting for Netting	281
Hedge Accounting	282
Credit Valuation Adjustments, Debit Valuation Adjustments,	
and Own Credit Risk Adjustment	284
IFRS 7	285
Final Words	285
PART FOUR	
Mitigation and Transfer	
CHAPTER 17	000
Mitigating Derivative Counterparty Credit Risk	289
Measurement of Counterparty Credit Risk	289
Mitigation of Counterparty Credit Risk through	200
Collateralization	290
Legal Documentation	298
Dealers versus End Users	299
Bilateral Transactions versus Central Counterparty Clearing	299
Prime Brokers	303
Repurchase Agreements	304
Final Words	306
CHAPTER 18 Structural Mitigation	307
Transactions with Corporates	308
Transactions with Special Purpose Vehicles	317
CHAPTER 19	
Credit Insurance, Surety Bonds, and Letters of Credit	325
Credit Insurance	326
Surety Bonds	332
Letters of Credit or LoCs	335
The Providers' Point of View	339
Final Words	342

Xİİ CONTENTS

CHAPTER 20	
Credit Derivatives	345
The Product	345
The Settlement Process	349
Valuation and Accounting Treatment	354
Uses of CDSs	356
Credit Default Swaps for Credit and Price Discovery	360
Credit Default Swaps and Insurance	360
Indexes, Loan CDSs, MCDSs, and ABS CDSs	361
CHAPTER 21	
Bankruptcy	363
What Is Bankruptcy?	364
Patterns of Bankrupt Companies	365
Signaling Actions	368
Examples of Bankruptcies	369
Final Words	372
About the Authors	373
Index	375