CONTENTS

PREFACE xi

PART ONE

UNDERSTANDING EVA

Chapter 1

The Shareholder Value Revolution 3

Why Shareholder Value, and Why Now? 5

A Case in Point: Europe and the Shareholder Value Revolution 8 Value Creation and Stakeholders 13

A Brief Word on Value-Based Management versus EVA 18

Chapter 2

Value Creation and Economic Value Added 21

Valuation Principles 21

Discounted Cashflow 22

Internal Rate of Return 26

Market Value Added and Excess Return 28

Market Value Added 29

Excess Return 31

EVA Is the Solution 34

Calculating EVA 43

The Working Capital Requirement 48

A Case Study of MVA/EVA Calculations 51

Harnischfeger's MVA 55

Harnischfeger's EVA 55

Comparing Excess Returns, MVA, and EVA: Evidence from the United States and Europe 58

Creating Value 68

Increased Returns on Existing Capital 69

Profitable Growth 70

Divestment of Value-Destroying Activities 71 Longer Competitive Advantage Period 72 Reductions in the Cost of Capital 72

A Final Note 73 Conclusion 77

Chapter 3

Implementing EVA 79

An EVA Success Story: The Case of SPX 79

What Do Managers Do in EVA Companies? 83

EVA and Culture Change 85

The EVA Implementation Process 86

A Profile of Successful and Unsuccessful Users 91

Common Problems in Implementing EVA 93

The Underinvestment Problem 94

The Synergy Problem 96

Controllability: A Closer Look 98

The Synergy and Controllability Problems: Potential Solutions 101 Isn't EVA Just Good Management? What's So New about It? 104

The Cost of Capital 106

Accounting Adjustments 107

Management Compensation 111

Conclusion 112

Chapter 4

Management Compensation 113

The Basic Objectives of Management Compensation 114

Aligning Management and Shareholder Interests 115

Wealth Leverage: The Key Measure of Management Incentives 117

Creating Strong Incentives: The Management Buyout 119

The Shortcomings of the MBO Model 123

The MBO Aftermath: A Dramatic Rise in Stock Option Grants 124

Retention Risk and the Competitive Pay Model 126

Bonus Plan Design in the Competitive Pay Model 13:

EVA: A Better Way to Pay Managers 133

The Original EVA Bonus Plans 13

The Modern EVA Bonus Plan 138

The Limitations of EVA-Based Compensation 142

Different Risk Preferences 142

Cyclical Industries 143

Start-Up Ventures and Emerging Markets 143

Money Isn't Everything 144

Cultural Differences 145

Alternatives to EVA 149

Equity Carve-Outs 149

Tracking Stock 155

Conclusion 157

PART TWO

MAKING IT WORK: THE TECHNICAL SIDE OF EVA

Chapter 5

The Cost of Capital 161

What Is the Cost of Capital? 162

Calculating WACC 162

The CAPM 165

What Is BETA? 166

Calculating BETA for a Publicly Traded Company 168

Why Is BETA Controversial? 169

The Market Risk Premium Debate 174

Estimating BETAs for Private Firms and Divisions 176

Organized Geographically 177

Organized by Product Line 177

Limitations of the CAPM 179

The Arbitrage Pricing Model Alternative 181

Financial Strategy and Value Creation 186

Tax Shields 187

The Costs of Financial Distress 190

Other Influences on Capital Structure 195

Agency Costs 195

Asymmetric Information 197

The Pecking Order Theory 198

Achieving Capital Structure Targets 199

viii Contents

Capital Structure Does Matter 202 Conclusion 203

Chapter 6

EVA 205

The Major Accounting Adjustments 206
Successful Efforts Accounting 206
Research and Development (R&D) 210
Deferred Tax 218
Provisions for Warranties and Bad Debts 223
LIFO Reserves 226
Depreciation 229
Goodwill 236
Operating Leases 247

Restructuring Charges 252

Accounting for the Capital Charge 253

EVA Accounting Adjustment Process 255 A Framework for Thinking about EVA and Accounting Adjustments 257

Adjustments 257 REVA: An Alternative to Accounting-Based EVA 260 Explaining Stock Market Returns: Is EVA Really Better?

Summing Up 267

Conclusion 268

Value Drivers

Chapter 7

Value Drivers 269

EVA and the Synergy Problem 269

Value Drivers and EVA 270

Value Drivers: The Financial Perspective 272

DuPont Analysis 274

Value Drivers: The Nonfinancial Perspective 278

The Importance of Nonfinancial Drivers 280

Future Growth Opportunities and Value Drivers 285
The Balanced Scorecard 289

Finding the Right Value Drivers 294 Value Drivers and Compensation 296 Using Value Drivers: Critical Success Factors 300

The Balanced Scorecard: A Final Warning 30

Conclusion 301 Appendix 302

Chapter 8

Management Compensation Revisited 305

EVA Bonus Plan Calibration 305

Expected EVA Improvement 308

The EVA Interval 320

The Calibrated Bonus Formula 320

Setting EVA Improvement Goals for Divisions 328

The Actual Bonus Plans of EVA Companies 332

Companies Combining EVA with Other Measures 336

Companies Using EVA Only 338

When It All Goes Wrong: The Abandoners of EVA 342

Why Did They Leave? 344

Those Who Left versus Those Who Stayed 345

Competitive Compensation Analysis 346

Peer Group 347

Matching Jobs 350

Elements of Compensation 350

Total Direct Compensation 354

The Problem of Lumpy Pay 354

Pay Inflation 360

Size-Adjusted Compensation 362

Total Wealth Leverage of Corporate Officers in EVA Companies 364

Wealth Leverage of Stock and Options Held 366

Wealth Leverage of Current-Year Compensation 36.

Wealth Leverage of Future Compensation 368

Total Wealth Leverage 371

The Importance of Option Grant Guidelines 371

The Impact of Stock Compensation on Business Unit Wealth Leverage 375

Conclusion 376

Appendix 377

Chapter 9

The Metric Wars: EVA versus Cashflow Return on Investment 381

What Is CFROI?

How Is CFROI Calculated?

The CFROI Valuation Model

The CFROI Valuation Model: A Case Study 390

Calculating CFROI Using Financial Statements: Harnischfeger Industries 398

Why Don't We Just Calculate a Simple Return?

CFROI and Inflation 403

The CFROI Fade: The Evidence Isn't Convincing

Another Problem with the Fade: It May Imply Negative NPV Investments 411

Where the Fade Doesn't Apply 412 The Sustainable Growth Rate 414

The Holt/BCG Critique of EVA

Corporate Uses for CFROI 417

CFROI and Management Compensation 420

Conclusion 422

Appendix 423

Chapter 10

Understanding the Metric Wars

Comparing the Metrics: A Case Study

Residual Income Components 435

Residual Income Measures 437 Market-Based Measures 442

Cashflow Measures

A Perspective on the Performance Measurement Alternatives 453 Conclusion 463

PART THREE

CONCLUSIONS

Chapter 11

Lessons Learned, and the Future of Economic Value Added 467

What Next? 474 Bibliography 477

Index 481