

Contents

<i>Acknowledgments</i>	<i>iii</i>
<i>About the Author</i>	<i>v</i>
<i>Introduction</i>	<i>xix</i>

Part I **Getting a Project Started**

Chapter 1	Meet Project Management	3
	■ What Is a Project?	3
	A Unique Endeavor	4
	A Specific Goal	5
	Clear-Cut Start and Finish Dates	5
	Within Budget	6
	Something's Gotta Give	6
	■ What Is Project Management?	7
	Project Management Processes	8
	■ The Benefits of Project Management	11
	Bottom-Line Benefits	12
	Benefits for the Project Team	12
	■ Summary	13
Chapter 2	Obtaining Approval for a Project	15
	■ Summarizing a Project	16

■ Defining the Problem	18
Identifying the Problem	18
Documenting the Problem	20
■ Project Goal and Objectives	21
Types of Objectives	22
Characteristics of Good Objectives	23
■ Project Strategy	24
Identifying Alternatives	25
Factors for Selecting a Project Strategy	26
Choosing the Project Strategy	26
■ Gathering Requirements	28
■ Deliverables	30
■ Success Criteria	33
■ The Scope Statement	33
Preventing Scope Creep	35
■ Assumptions and Risks	36
■ Working with Project Stakeholders	39
Identifying Stakeholders	39
How Planning Tasks Help Identify Stakeholders	41
Project Customer	42
Project Sponsor	43
Functional Manager	45
Team Member	46
Project Manager	47
Documenting Project Stakeholders	47
Obtaining and Maintaining Commitment	48
■ The Project Charter: Publicizing a Project	51
■ Summary	53

Part 2 Planning a Project

Chapter 3	Planning to Achieve Success	57
	■ What Is Project Planning?	58
	Pointing the Team in the Right Direction	59
	Tracking Progress	59
	■ Plans Change	60
	Project Planning Step by Step	61
	The Components of a Project Implementation Plan	62
	■ Summary	66
Chapter 4	Building a Work Breakdown Structure	67
	■ What's a Work Breakdown Structure?	68
	■ The Benefits of a WBS	71
	■ Building a WBS	72
	How to Build a WBS from the Top Down	72
	■ When to Stop Building a WBS	77
	■ Building a WBS from the Bottom Up	79
	■ Recording a WBS	79
	Creating the WBS in Project	80
	Pasting Tasks into Project	83
	■ Detailing Work Packages	85
	■ Summary	87
Chapter 5	Project Resources	89
	■ The Responsibility Matrix	90
	Responsibility Levels	91
	Creating a Responsibility Matrix	92
	■ The Project Organization Chart	94

	■ Putting a Project Team Together	96
	■ Creating Resources in Project	99
	Types of Resources	99
	Adding Resources to Project	100
	Resource Information	104
	■ Summary	109
Chapter 6	Building a Project Schedule	111
	■ Estimating	112
	Duration or Effort?	114
	Sensible Estimating Practices	115
	■ Top-Down Planning	123
	■ Defining the Sequence of Work	125
	Types of Task Dependencies	125
	Identifying the Correct Dependency Type	126
	Creating Task Dependencies	127
	Keeping Dependencies Flexible	129
	Setting Specific Start and Finish Dates	130
	Setting Deadlines	132
	■ Adding Schedule Milestones	133
	Types of Milestones	133
	Creating Milestones	136
	■ Assigning Resources to Tasks	137
	Assigning Resources in the Task Sheet	137
	Assigning Resources in the Task Form	139
	Using the Assign Resources Dialog Box	142
	■ Building Reality into a Schedule	143
	Accounting for Nonproject Time	144
	Adjusting Tasks for Resource Productivity	145

	Managing Part-Time Workers and Multitaskers	146
	Scheduling Around Nonworking Time	147
■	Shortening a Project Schedule	150
	The Fast-Track to an Early Finish	150
	Choosing Tasks to Fast-Track	151
	Partial Overlaps	152
	Running Tasks in Parallel	152
	A Crash Course on Project Crashing	154
	Reducing Scope	157
■	Summary	158
Chapter 7	Working with a Budget	159
■	Understanding Financial Measures	161
	Payback Period	161
	Net Present Value or Discounted Cash Flow	162
	Internal Rate of Return	164
■	Understanding Capital Budgets	165
	Putting Capital Budgeting into Practice	165
	Using a Capital Budgeting Tool	166
■	Calculating Costs in a Project Schedule	168
	Specifying Rates for Work Resources in Project	171
	Entering Rates and Quantities for Material Resources	172
	Assigning a Cost Resource to a Task	173
■	Comparing Project Costs with the Budget	174
	Creating Budget Resources	174
	Assigning Budget Resources to the Project	
	Summary Task	175
	Filling in Budgeted Values	176
	Flagging Resources by Budget Type	178
	Comparing Budget Resource Values	179

■ Exporting Costs from a Project Schedule	180
Exporting Costs to an Excel File	181
■ Summary	184

Part 3 Carrying Out a Project

Chapter 8 Executing the Project Plan 187

■ Procuring Resources	188
Soliciting Vendors	189
Selecting Vendors	190
Contracting	190
■ Kicking Off a Project	191
■ A Final Checklist	192
Approvals and Commitments	192
The Project Notebook	193
Project Baselines	194
■ Summary	196

Chapter 9 Evaluating Project Performance 197

■ Gathering Data	198
The Data You Need	198
Obtaining Time and Status	201
■ Updating Tasks in Your Schedule	203
Setting the Status Date	203
Setting Up Project to Reschedule Incomplete Tasks	204
Quickly Updating Tasks	205
Recording Progress	206
Recording Actual Costs	209
■ Tracking Schedule Progress	210

Reviewing Schedule Progress	212
Tables with Schedule-Related Fields	214
Filters for Checking Schedule Progress	215
■ Reviewing Cost and Cost Variance	216
Viewing Cost and Cost Variance	217
Finding Costs That Are Over Budget	219
■ Reporting on Project Performance	219
Looking at High-Level Status	220
Evaluating Cost and Work	221
Earned Value Analysis: Schedule and Cost Performance	223
Earned Value Status Measures	224
Analyzing an Earned Value Graph	224
Earned Value Performance	226
Earned Value in Microsoft Project	228
■ Working with Visual Reports	233
Generating Visual Reports	233
Modifying Excel-Based Visual Reports	233
Modifying Visio-Based Visual Reports	240
■ Summary	242
Chapter 10 Managing Project Resources	243
■ Motivating Project Resources	244
■ Developing a Team	250
■ Evaluating People's Performance	253
Watching for People's Performance	253
What to Do with Problem People	254
Reviewing People's Performance Compared to the Plan	255
■ Summary	257

Chapter 11	Communicating Information	259
	■ Knowledge Is Power	260
	■ The Communication Plan	261
	Who Needs to Know?	262
	What Do You Communicate to Audiences?	264
	What Communication Method Should You Use?	269
	Building a Communication Plan	272
	Creating Communication Reminders	273
	■ Guidelines for Good Communication	275
	What Is Communication?	275
	■ How to Get Messages Through	277
	Learning to Listen	280
	■ Meetings That Work	283
	Guidelines for Good Meetings	283
	Kickoff Meetings	288
	Project Status Meetings	289
	Management Meetings	290
	■ Project Status Reports	291
	■ Taming Email	293
	■ Summary	295
Part 4	Controlling Projects	
Chapter 12	Managing Project Changes	299
	■ An Overview of the Change Management Process	300
	What Do You Control with the Change Management Process?	302
	The Change Request Form	302
	The Change Request Impact Statement	304
	The Change Request Log	305
	Managing Change Requests	305

	Who Belongs on the Change Review Board?	308
	■ Summary	308
Chapter 13	Modifying the Project Schedule	309
	■ Simplifying Solution Hunting	310
	■ Shortening a Project Schedule	311
	■ Splitting Long Tasks into Short Ones	313
	■ Adjusting Resource Allocation	314
	Changing Units	315
	Adjusting Work Contours	318
	■ Assigning Overtime	319
	■ Substituting Resources	321
	■ Modifying Baselines	323
	Saving Additional Baselines	323
	Clearing a Baseline	324
	Viewing Multiple Baselines	324
	■ Summary	325
Chapter 14	Balancing the Budget and Other Project Variables	327
	■ Cost, Scope, Quality, and Schedule	328
	■ Balancing Acts	329
	Reassigning Resources	330
	Optimizing the Schedule	332
	Business Decisions	334
	■ Summary	335
Chapter 15	Managing Risk	337
	■ The Benefits of Managing Risk	338
	■ The Risk-Management Plan	339

	■ Identifying and Describing Risks	342
	Assessing Risks	345
	■ Choosing the Risks You'll Manage	346
	■ Responding to Risks	349
	Setting Up Contingency Funds	351
	■ Tracking Risks	353
	■ Summary	354
Part 5	Closing Projects	
Chapter 16	Learning Lessons	357
	■ The Importance of Lessons Learned	358
	■ Collecting Lessons Learned	360
	Meeting Participants and What They Do	361
	Ground Rules	364
	■ Documenting Lessons Learned	369
	■ Summary	371
Chapter 17	Closing a Project	373
	■ Obtaining Customer Acceptance	374
	■ Documenting the Project	376
	Project Closeout Reports	378
	■ Closing Out Contracts	381
	■ Project Transitions	382
	Transitioning Resources	382
	Handing Off Information	383
	■ Summary	384
Chapter 18	Archiving Historical Information	385
	■ Information to Store about Projects	386

■ Ways to Build a Project Archive	388	
■ Microsoft Enterprise Project Management Software	390	
■ Summary	390	
Part 6	Beyond Projects	
Chapter 19	Selecting and Prioritizing Projects	393
■ Project Selection and the Project Manager	394	
■ Criteria for Selecting Projects	395	
Criteria You Can't Ignore	395	
Linking Projects to Objectives	396	
Risks and Opportunities	397	
■ How a Project Review Board Works	398	
■ Summary	399	
Chapter 20	Other Project Management Approaches	401
■ Managing the Critical Chain	402	
Defining the Critical Chain	402	
Using Time Buffers Effectively	404	
How to Use Buffers	406	
■ Agile Project Management	406	
■ Summary	407	
<i>Glossary</i>	409	
<i>Index</i>	415	