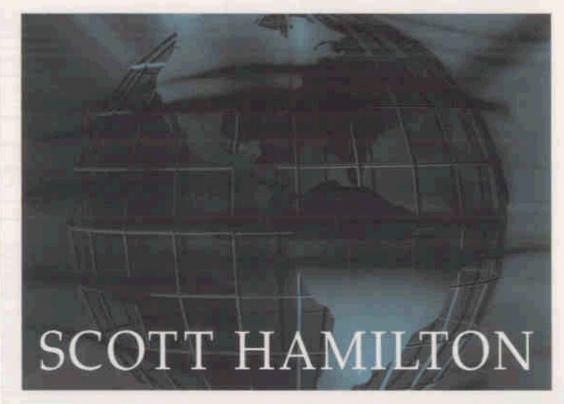
# MANAGING YOUR SUPPLY CHAIN

USING

## MICROSOFT AXAPTA



### **Contents**

	Design Factors Shaping System Usage 3	
	Key Business Processes and an Organizing Focus 4	
	Summary of Case Studies Used throughout Book 6	
Chapter 2	Distribution Items and Purchased Material	9
	Companywide Information about Items 9	
	Covers engineering, quality, sales, costing,	
	purchasing and planning information	
	Warehouse-Specific Information for Items 24	
	Other Types of Items 29 Case Studies 31	
	Case Studies 31	
Chapter 3	Manufactured Items 33	
	Item Information for Manufactured Items 35	
	Bills of Material 38	
	Work Centers and Work Center Groups 46	
	Routing Information 51	
	Maintaining Bills and Routings 58	
	Cost Calculations for Manufactured Items 60	
	Case Studies 63	
Chapter 4	Custom Product Manufacturing 67	
	Option Selection Approach 68	
	Rules-Based Product Configurator Approach 76	
	Case Studies 88	

Preface xi

Introduction 1

A Baseline Model of Operations 2

Chapter 1

#### Chapter 5 Sales and Operations Planning 91

Identifying Demands 92

Understanding Planning Calculations 97

Common Scenarios for Sales and Operations Planning
Covers scenarios for distribution, MTS and MTO

manufacturing, custom product manufacturing, projects, and distribution network

Guidelines Concerning S&OP Game Plans 110

Case Studies 113

#### Chapter 6 Sales Order Processing 117

Customer Information 117

Sales Prices and Trade Agreement Information 119

Sales Orders 125

Covers special considerations for distribution and manufacturing environments

Sales Analysis 135

CRM Quotations and Sales Orders 136

Customer Self-Service and the Enterprise Portal 137

Case Studies 137

#### Chapter 7 Purchase Order Processing 141

Vendor Information 141

Purchase Orders 143

Sourcing and Agreement Information 150

Coordinating Purchasing Activities 155

Case Studies 159

#### Chapter 8 Inventory and Warehouse Management 163

Basic Functionality for Warehouse Management 164

Covers warehouses and bins, basic transactions, and order-related transactions

Document-Based Approaches to Inventory Transactions 172

Case Studies 178

#### Chapter 9 Production Order Processing 181

Production Orders 181

Covers the types, creation methods, life cycle, and scheduling methods for production orders

Reporting Production Activities 193

Covers how to report material and capacity consumption, and production output, in order-based and order-less environments

Coordinating Production Activities 200

Covers planned orders, action messages, capacity planning and load analysis, production schedules, and subcontracted manufacturing

Case Studies 205

#### Chapter 10 Project-Oriented Environments 209

Forecasted Requirements for a Project 209

Covers material, capacity and costs, project budgeting, and the use of subprojects

Reporting Actual Costs Against a Project 214

Project Accounting Considerations 217

Covers the charge-out basis for external projects, general ledger posting, and invoicing

Case Studies 219

#### Chapter 11 Multisite Operations 221

Autonomous Sites 221
Distribution Network 222
Transfer Orders and the Transfer Journal 223
Intercompany Trading via Purchase and Sales Orders 224
Variations of Multisite Operations 225
Case Studies 227

#### Chapter 12 Summary 231

Design Factors Related to the User Interface 231
Design Factors Related to Customization 232
System Usage in Distribution Environments 234
System Usage in Manufacturing Environments 240
Integration with other Applications 244
Concluding Remarks 244

#### Appendix Axapta Terminology and Synonyms 245

Index 251