
CONTENTS

Preface	ix
Acknowledgments	xiii
Table of Abbreviations	xv
Part 1 Cultural Background: The Business and Technical Context for SCM	1
1 How to Use This Book: APO as a Mind Map	3
One Book, Many Curricula: Custom Recommendations for Reading Order	5
Included and Excluded: Scope of this Text	6
2 SCM Architecture	11
Enterprise Landscape for Planning in SCM	11
SCM Applications and Components	14
Simulating the Supply Chain	20
APO Tools for Users	22
3 Supply Chain Landscape	34
Supply Chain Landscape	34
Planning Supply Chain Disciplines	40
Supply Chain Data Pipelines	47
Integrated, Wall-to-Outside-the-Wall Supply Chain Solution	49
4 Advice to the Executive Considering SAP APO and SCM	50
Six Short Executive Lessons in ERP	51
Profile of an SAP SCM Project with a High Likelihood of Success	59
Part 2 Stocks and Bases: Master Data SCM	61
5 Supply Chain Management Master Data	63
Locations and Calendars	63
Products	70
Resources and Work Centers	84
Production Process Models and Run Time Objects	96
Transportation Lanes	108
External Procurement Relationships	111
Quota Arrangements	116

Models and Planning Versions	119
Transactional Data	124
Master Data Recipes	127
6 Analytical Master Data: BW Primer Part I	131
SCM versus “Analytical” Master Data	131
Star Schema	133
BW, APO, and Analytical Data Objects	135
BW in the SCM Data Mart	138
Setting Up Analytical Master Data	138
7 Core Interface	146
When R/3 Is Not the Transactional Data Management System	147
Using R/3 with APO	147
Basic Integration Model Configuration	148
Part 3 Entrees: APO Planning Modules	161
8 APO User Interfaces and the PP/DS Module	163
General APO User Interfaces	164
PP/DS Context	202
PP/DS Master Data and CIF	205
Using PP/DS	208
Configuring PP/DS	214
Detailed Scheduling and PP/DS User Interfaces	222
9 Demand Planning Module	230
DP Master Data and CIF	231
Using DP	232
Configuring DP	235
Univariate Forecast	240
Demand Planning Configuration Recipe	250
10 Supply Network Planning	251
SNP Master Data and CIF	253
Using SNP	254
Configuring SNP	257
SNP Configuration Recipe	271
Part 4 Beyond Planning: Analytics, Collaboration, and Keys for Success	273
11 BW Primer Part II	275

Not Just a Data Warehouse: Reengineering ERP	275
Using BEx	278
BW Enterprise and BW Data Mart	281
Profile of a Full-Powered APO Deployment	282
12 Inventory Collaboration Hub and APO Collaboration	285
B2B Context of ICH and Collaboration	285
ICH Master Data	289
Using ICH and APO Collaboration	290
ICH Data Pipelines	294
13 The Lucky Chapter: Of Boats and Software—Four Keys to Unlocking SCM	296
“Keys’’: To Neuter a Cliché	297
It’s Only a Key If You <i>Know</i> It’s a Key	298
The Keys	299
What Would You Pay For Wal-Mart’s or UPS’s Supply Chain?	310
Index	313

