Supply Chain Management with SAP APO™
Jörg Thomas Dickersbach

Supply Chain Management with SAP APO™

Structures, Modelling Approaches and Implementation of SAP SCM™ 2008

3rd edition

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Preface

This book rather addresses the question ‘how to implement SAP APO™’ than ‘why to implement SAP APO™’ and is written for people who are involved in SAP APO™ implementations. It is based on the SAP APO™ release SAP SCM™ 2008. The aim of this book is to provide the reader with the necessary background to start with first own steps in the system in the right direction by explaining the architecture and some basic structures of SAP APO™ and introducing common modelling approaches.

Although there are already several books published about SAP APO™ and there is a detailed documentation of the functions in the system, we have experienced a distinct need for explanations regarding the structure and the interaction of systems, modules and entities. The understanding of the possibilities and necessities on entity level is the basis for the modelling and the implementation of the business processes. This book mentions additionally many issues which have a great relevance in implementations, but are not mentioned in the literature.

In our experience with SAP APO™ projects we noticed an ever greater need (which remains more often than not unaware for much too long) to clarify the implications of the SCM approach for the implementation projects. Since SCM projects with SAP APO™ differ significantly from SAP ERP™ projects, there are some typical traps in which even experienced SAP ERP™ project managers are apt to fall which cause severe problems up to project failure. Especially in the first chapter common mistakes in SCM projects are pointed out.

The book does not claim to describe all SAP APO™ functionalities and modelling possibilities – since the modelling approaches are nearly unlimited and the product is still evolving, this would be impossible. Instead the focus is set on explaining common approaches especially for the high tech, the consumer goods and the chemical industries. Not included into the scope of this book are the scenarios and functionalities especially for automotive industry, repetitive manufacturing and aerospace and defence, and some other functionalities as VMI to third party customers, container resources and campaign planning.

Since the focus of the book lies on the practical use of SAP APO™, SCM theory in general as well as in connection with SAP APO™ is not within the
scope of this book. Therefore instead of the SCM literature the SAP notes of the online service system (OSS) are quoted. Working with the OSS is anyhow inevitable for any implementation project and an important source for information.

Compared to the first edition this book contains additional topics (as transportation planning, interchangeability, bucket-oriented CTP and scheduling of complex job chains) and many updates in the functionality – representing two years’ development.

Finally I would like to thank Jens Drewer and Claus Bosch, who helped me a lot during the whole project (the chapter about transportation and shipment scheduling was contributed by Jens Drewer), Bernd Dittrich for his help and comments on transportation planning, and Dr. Stephan Kreipl, Anita Leitz, Bernhard Lokowandt, Armin Neff, Stefan Siebert, Uli Mast and Christoph Jerger for their corrections and comments.

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Jörg Thomas Dickersbach
# Contents

## PART I – OVERVIEW

1 SCM Projects with SAP APO™ ................................................................. 3  
  1.1 The Supply Chain Management Approach ........................................... 3  
  1.2 Supply Chain Management Projects with SAP APO™ ......................... 6  
  1.3 SAP APO™ Project Management and Peculiarities .............................. 7  

2 SCM Processes and SAP APO™ Modules .................................................. 9  

3 SAP APO™ Architecture ........................................................................ 15  
  3.1 Technical Building Blocks of SAP APO™ ........................................... 15  
  3.2 Master Data Overview ........................................................................ 17  
  3.3 Model and Version ............................................................................. 23  
  3.4 Planners ............................................................................................ 24  
  3.5 Order Categories ............................................................................... 25  
  3.6 Pegging ............................................................................................. 25  
  3.7 Data Locking ..................................................................................... 28  

## PART II – DEMAND PLANNING

4 Demand Planning .................................................................................. 33  
  4.1 Demand Planning Overview ................................................................. 33  
    4.1.1 Demand Planning Process .......................................................... 33  
    4.1.2 Planning Levels and Consistent Planning .................................. 34
4.2 Data Structure for Demand Planning ............................................ 36
  4.2.1 Characteristics, Key Figures and Structure Overview........ 36
  4.2.2 Planning Object Structure and Planning Area................. 37
  4.2.3 Configuration of the Planning Object Structure .......... 38
  4.2.4 Configuration of the Planning Area............................... 39
  4.2.5 Disaggregation............................................................... 42
  4.2.6 Organisation of Characteristic Value Combinations ....... 43
  4.2.7 Time Series................................................................. 45
4.3 Planning Book, Macros and Interactive Planning ......................... 46
  4.3.1 Planning Book ................................................................. 46
  4.3.2 Macros............................................................................ 52
  4.3.3 Fixing of Values .............................................................. 56
4.4 Statistical Forecasting.................................................................... 57
  4.4.1 Basics of Forecasting....................................................... 57
  4.4.2 Data History................................................................. 58
  4.4.3 Univariate Forecast Models............................................ 58
  4.4.4 Multiple Linear Regression (MLR).................................. 60
  4.4.5 Forecast Execution.......................................................... 60
  4.4.6 Life Cycle Planning......................................................... 64
4.5 Promotion Planning....................................................................... 67
4.6 Dependent Demand in Demand Planning...................................... 72
4.7 Collaborative Forecasting.............................................................. 75
4.8 Background Planning.................................................................... 77
4.9 Release of the Demand Plan.......................................................... 79
  4.9.1 Topics for the Demand Plan Release......................... 79
  4.9.2 Forecast Release.............................................................. 79
  4.9.3 Forecast After Constraints............................................ 81
  4.9.4 Transfer to SAP ERP™..................................................... 83
5 Forecast Consumption and Planning Strategies............................. 85
  5.1 Make-to-Stock ................................................................. 85
  5.2 Make-to-Order................................................................. 86
  5.3 Planning with Final Assembly............................................ 87
  5.4 Planning Without Final Assembly...................................... 89
  5.5 Planning for Assembly Groups........................................ 91
  5.6 Technical Settings for the Requirements Strategies......... 92
PART III – ORDER FULFILMENT

6 Order Fulfilment Overview ................................................................. 97

7 Sales ................................................................................................. 99
  7.1 Sales Order Entry........................................................................... 99
  7.2 Availability Check Overview ...................................................... 100
    7.2.1 Functionality Overview for the Availability Check ........... 100
    7.2.2 ATP Functionality for Document Types ....................... 101
  7.3 Master Data and Configuration ................................................... 104
    7.3.1 Master Data for ATP .......................................................... 104
    7.3.2 Basic ATP Configuration ................................................... 105
    7.3.3 Time Buckets and Time Zones ....................................... 107
  7.4 Product Availability Check.......................................................... 109
    7.4.1 Product Availability Check Logic ...................................... 109
    7.4.2 Product Availability Check Configuration ...................... 111
  7.5 Allocations................................................................................... 114
    7.5.1 Business Background and Implications ....................... 114
    7.5.2 Configuration of the Allocation Check ......................... 116
    7.5.3 Allocation Maintenance and Connection to DP ........... 120
    7.5.4 Collective Product Allocations .................................... 121
  7.6 Forecast Check ............................................................................ 121
  7.7 Rules-Based ATP......................................................................... 122
  7.8 Transportation and Shipment Scheduling.................................... 132
  7.9 Backorder Processing ................................................................. 134

8 Transportation Planning..................................................................... 145
  8.1 Transportation Planning Overview .............................................. 145
  8.2 Master Data and Configuration ................................................... 147
    8.2.1 Master Data for TP/VS ....................................................... 147
    8.2.2 Geo-Coding ........................................................................ 152
    8.2.3 Configuration of the CIF .................................................... 154
  8.3 TP/VS Planning Board ................................................................ 154
  8.4 TP/VS Optimisation ..................................................................... 156
  8.5 Scheduling ................................................................................... 159
  8.6 Carrier Selection .......................................................................... 160
  8.7 Collaboration ............................................................................... 161
  8.8 Release and Transfer to SAP ERP™ ........................................... 162
  8.9 Dynamic Route Determination .................................................. 162
PART IV – DISTRIBUTION

9 Distribution and Supply Chain Planning Overview........................... 165
   9.1 Distribution and Supply Chain Planning Scenarios..................... 165
   9.2 Applications for Distribution and Supply Chain Planning ........ 167
   9.3 Order Cycle for Stock Transfers.............................................. 171
   9.4 Integration of Stock Transfers to SAP ERP™............................ 173
   9.5 SNP Planning Book .................................................................. 178

10 Integrated Distribution and Production Planning ............................ 183
   10.1 Cases for Integrated Planning................................................. 183
   10.2 SNP Optimiser....................................................................... 184
      10.2.1 Basics of the Supply Network Optimiser ......................... 184
      10.2.2 Optimiser Set-up and Scope ......................................... 185
      10.2.3 Costs and Constraints .................................................. 187
      10.2.4 Discretisation.................................................................. 189
      10.2.5 Technical Settings ....................................................... 191
   10.3 Capable-to-Match ................................................................... 193
      10.3.1 CTM Planning Approach .............................................. 193
      10.3.2 Prioritisation, Categorisation and Search Strategy ........... 195
      10.3.3 CTM Planning ............................................................. 198
      10.3.4 CTM Planning Strategies .............................................. 203
      10.3.5 Supply Distribution ....................................................... 206

11 Distribution Planning................................................................. 207
   11.1 Master Data for Distribution Planning..................................... 207
   11.2 SNP Heuristic ....................................................................... 210
   11.3 Planned Stock Transfers ....................................................... 210
   11.4 Stock in Transit................................................................. 212
   11.5 Storage and Handling Restrictions ....................................... 213
   11.6 Sourcing............................................................................... 215

12 Replenishment ............................................................................. 217
   12.1 Deployment ........................................................................... 217
      12.1.1 Deployment Overview ................................................ 217
      12.1.2 Deployment Heuristic.................................................. 218
      12.1.3 Deployment Optimisation ............................................. 225
   12.2 Transport Load Builder........................................................ 227
## PART V – PRODUCTION

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Production Overview</td>
<td>235</td>
</tr>
<tr>
<td>13.1</td>
<td>Production Process Overview</td>
<td>235</td>
</tr>
<tr>
<td>13.2</td>
<td>Applications for Production Planning</td>
<td>239</td>
</tr>
<tr>
<td>13.2.1</td>
<td>Scenario and Property Overview</td>
<td>239</td>
</tr>
<tr>
<td>13.2.2</td>
<td>Lot Size</td>
<td>245</td>
</tr>
<tr>
<td>13.2.3</td>
<td>Scrap</td>
<td>247</td>
</tr>
<tr>
<td>13.3</td>
<td>Feasible Plans</td>
<td>250</td>
</tr>
<tr>
<td>13.4</td>
<td>Master Data for Production</td>
<td>252</td>
</tr>
<tr>
<td>13.4.1</td>
<td>Production Master Data Overview</td>
<td>252</td>
</tr>
<tr>
<td>13.4.2</td>
<td>Resource for SNP</td>
<td>256</td>
</tr>
<tr>
<td>13.4.3</td>
<td>PDS and PPM for SNP</td>
<td>257</td>
</tr>
<tr>
<td>13.4.4</td>
<td>Resources for PP/DS</td>
<td>262</td>
</tr>
<tr>
<td>13.4.5</td>
<td>PDS and PPM for PP/DS</td>
<td>267</td>
</tr>
<tr>
<td>13.4.6</td>
<td>Integration to PP-PI</td>
<td>273</td>
</tr>
<tr>
<td>13.5</td>
<td>Dependencies to the SAP ERP™ Configuration</td>
<td>275</td>
</tr>
<tr>
<td>14</td>
<td>Rough-Cut Production Planning</td>
<td>277</td>
</tr>
<tr>
<td>14.1</td>
<td>Basics of Rough-Cut Production Planning</td>
<td>277</td>
</tr>
<tr>
<td>14.2</td>
<td>SNP Heuristic</td>
<td>280</td>
</tr>
<tr>
<td>14.3</td>
<td>Capacity Levelling</td>
<td>282</td>
</tr>
<tr>
<td>14.4</td>
<td>SNP Optimisation for Production Planning</td>
<td>283</td>
</tr>
<tr>
<td>14.5</td>
<td>Capable-to-Match (with SNP Master Data)</td>
<td>285</td>
</tr>
<tr>
<td>14.6</td>
<td>Scheduling in SNP</td>
<td>286</td>
</tr>
<tr>
<td>14.7</td>
<td>Integration to PP/DS and SAP ERP™</td>
<td>289</td>
</tr>
<tr>
<td>14.7.1</td>
<td>Process Implications of Rough-Cut and Detailed Planning</td>
<td>289</td>
</tr>
<tr>
<td>14.7.2</td>
<td>Integration to PP/DS</td>
<td>290</td>
</tr>
<tr>
<td>14.7.3</td>
<td>Integration to SAP ERP™</td>
<td>294</td>
</tr>
<tr>
<td>15</td>
<td>Detailed Production Planning</td>
<td>295</td>
</tr>
<tr>
<td>15.1</td>
<td>Basics of PP/DS</td>
<td>295</td>
</tr>
<tr>
<td>15.1.1</td>
<td>Order Life Cycle and Order Status</td>
<td>295</td>
</tr>
<tr>
<td>15.1.2</td>
<td>Scheduling and Strategy Profile</td>
<td>297</td>
</tr>
<tr>
<td>15.1.3</td>
<td>Planning Procedure</td>
<td>299</td>
</tr>
<tr>
<td>15.1.4</td>
<td>Real Quantity</td>
<td>300</td>
</tr>
</tbody>
</table>
### 15.2 Heuristics for Production Planning

- **15.2.1 Concept of Production Planning and MRP Heuristic**
- **15.2.2 Production Planning Heuristics**
- **15.2.3 MRP Heuristic**
- **15.2.4 Net Change Planning and Planning File Entries**
- **15.2.5 Mass Processing**

### 15.3 Consumption Based Planning

### 15.4 Material Flow and Service Heuristics

### 15.5 Tools for Visualisation and Interactive Planning

### 15.6 Reporting

### 15.7 Special Processes for Production Planning

#### 15.7.1 MRP Areas

#### 15.7.2 Production in a Different Location

### 15.8 Capable-to-Match (with PP/DS Master Data)

### 16 Sales in a Make-to-Order Environment

- **16.1 Process Peculiarities and Overview**
- **16.2 Capable-to-Promise**
  - **16.2.1 Steps Within the CTP Process**
  - **16.2.2 Configuration of the CTP Process**
  - **16.2.3 Problems with Time-Continuous CTP**
  - **16.2.4 Bucket-Oriented CTP**
  - **16.2.5 Interactive CTP**
  - **16.2.6 Limitations for CTP**
- **16.3 Multi-level ATP**
  - **16.3.1 Steps Within the Multi-level ATP Process**
  - **16.3.2 Configuration of the Multi-level ATP**
  - **16.3.3 Limitations for Multi-level ATP**

### 17 Detailed Scheduling

- **17.1 Planning Board**
- **17.2 Basics of Detailed Scheduling**
  - **17.2.1 Scheduling Strategies**
  - **17.2.2 Error-Tolerant Scheduling**
  - **17.2.3 Finiteness Level**
- **17.3 Scheduling Heuristics**
- **17.4 Sequence Dependent Set-up**
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.5 Sequence Optimisation</td>
<td>356</td>
</tr>
<tr>
<td>17.5.1 Optimisation as Part of the Planning Process</td>
<td>356</td>
</tr>
<tr>
<td>17.5.2 Optimisation Model and Scope</td>
<td>357</td>
</tr>
<tr>
<td>17.5.3 Optimisation Controls Within the Optimisation Profile</td>
<td>359</td>
</tr>
<tr>
<td>17.5.4 Handling and Tools for Optimisation</td>
<td>365</td>
</tr>
<tr>
<td>18 Production Execution</td>
<td>367</td>
</tr>
<tr>
<td>18.1 Planned Order Conversion</td>
<td>367</td>
</tr>
<tr>
<td>18.2 ATP Check and Batch Selection</td>
<td>369</td>
</tr>
<tr>
<td>18.3 Production Order Handling</td>
<td>370</td>
</tr>
<tr>
<td>19 Modelling of Special Production Conditions</td>
<td>373</td>
</tr>
<tr>
<td>19.1 Alternative Resources</td>
<td>373</td>
</tr>
<tr>
<td>19.2 Modelling of Labour</td>
<td>377</td>
</tr>
<tr>
<td>19.3 Overlapping Production</td>
<td>378</td>
</tr>
<tr>
<td>19.4 Fixed Pegging and Order Network</td>
<td>379</td>
</tr>
<tr>
<td>19.5 Push Production</td>
<td>383</td>
</tr>
<tr>
<td>PART VI – EXTERNAL PROCUREMENT</td>
<td></td>
</tr>
<tr>
<td>20 Purchasing</td>
<td>387</td>
</tr>
<tr>
<td>20.1 Purchasing Overview</td>
<td>387</td>
</tr>
<tr>
<td>20.1.1 Process Overview</td>
<td>387</td>
</tr>
<tr>
<td>20.1.2 Order Life Cycle and Integration to SAP APO™</td>
<td>387</td>
</tr>
<tr>
<td>20.2 Suppliers and Procurement Relationships</td>
<td>391</td>
</tr>
<tr>
<td>20.3 Supplier Selection</td>
<td>392</td>
</tr>
<tr>
<td>20.4 Scheduling Agreements</td>
<td>394</td>
</tr>
<tr>
<td>20.5 Supplier Capacity</td>
<td>397</td>
</tr>
<tr>
<td>21 Subcontracting</td>
<td>401</td>
</tr>
<tr>
<td>21.1 Subcontracting Process Overview</td>
<td>401</td>
</tr>
<tr>
<td>21.2 Modelling of the Production at the Receiving Plant</td>
<td>402</td>
</tr>
<tr>
<td>21.3 Modelling of the Production at the Supplier</td>
<td>405</td>
</tr>
<tr>
<td>21.4 Subcontracting Process Variants</td>
<td>408</td>
</tr>
<tr>
<td>21.5 Subcontracting in SNP</td>
<td>411</td>
</tr>
</tbody>
</table>
PART VII – CROSS PROCESS TOPICS

22 Stock and Safety Stock ................................................................. 415
  22.1 Stock Types in APO™ ......................................................... 415
  22.2 Safety Stock ................................................................... 416

23 Interchangeability ................................................................. 421
  23.1 Interchangeability Overview ........................................... 421
  23.2 Interchangeability in DP ............................................... 422
  23.3 Interchangeability in SNP ............................................. 423
  23.4 Interchangeability in PP/DS ......................................... 424
  23.5 Interchangeability in ATP ............................................. 426

24 Exception Reporting .......................................................... 427
  24.1 Basics of Alert Monitoring ............................................. 427
  24.2 Alert Types ................................................................. 429
  24.3 Alert Handling ............................................................. 433
  24.4 Alert Calculation in the Background .............................. 435
  24.5 Supply Chain Cockpit .................................................. 435

PART VIII – SYSTEM INTEGRATION

25 Core Interface ................................................................. 439
  25.1 Overview of the Core Interface .................................. 439
  25.2 Configuration of the Core Interface ............................. 439
  25.3 Integration Models and Data Transfer ....................... 442
  25.4 Master Data Integration ............................................. 446
  25.5 Transactional Data Integration .................................... 450
  25.6 Operational Concept .................................................. 452
    25.6.1 Organisation of the Integration Models ................. 452
    25.6.2 Organisation of the Data Transfer ....................... 453
    25.6.3 Data Consistency ............................................... 454
    25.6.4 Queue Monitoring ............................................. 454

26 Integration to DP ............................................................. 461
  26.1 Data Storage in Info Cubes ......................................... 461
  26.2 Data Loading Structures ............................................. 463
  26.3 Data Upload .............................................................. 466
APPENDIX

References........................................................................................................... 471
Abbreviations.................................................................................................... 479
Transactions and Reports.................................................................................. 481
Index.................................................................................................................. 495