JDEtips, Inc.

## Manufacturing Planning 9.1

Updated for 9.2 User Interface

## **Contents**

Introduction	7
Manufacturing Planning Overview	9
Introduction to Manufacturing Planning	9
Strategic Level Planning  Business Planning  Product Design  Alignment of Organizational Strategy with Supply Strategy  JD Edwards Strategic Planning Tools	11
Sourcing/Contracts Production Locations Sales and Operations Planning	12
Operational Planning	14
Material Requirements Planning Overview	17
MRP Process Flow	27
MRP Setup  Getting Signed In  Item Master/ Item Branch Setup  Adding a Demand Forecast  MRP Generation  Order Release	28 29 30 41 43 48
Conclusion	52
JD Edwards Planning Foundations User Default Branch	53 55
Item Information  Item Master Types Item Numbering Stocking Types Planner Number Supplier Number Category Codes Maximum/ Minimum / Multiple Order Quantities	57 57 59 62 69 71 77
Manufacturing / Additional Information	96
Order Policy CodeOrder Policy Value	97 97
Planning Code	99

Planning Fence Rule	99
Planning Fence	102
Freeze Fence	102
Message Display Fence	102
Shrink Factor/ Method	104
Lead Time Level	104
Bills of Materials	107
Work Center Setup	112
Work Center Master	112
Item Routing	116
Work Order Overview	119
Work Order Release	119
Super Backflush Material and Labor	123
Procurement Overview	127
Inventory Order Processing	127
Supplier Setup	127
Item Setup	129
Pricing Setup	131
Purchase Order Entry	132
Send Order / Receive Acknowledgement	134
Manufacturing System Setup	137
Introduction	137
Branch Plant Constants	141
Branch/ Plant Information	143
Address Number	143
Number of Days in Year	143
Location Control	143
Purchase Order Issue Cost	143
Inventory Carrying Cost (%)	144
Branch Locations	144
System Constants	147
U/ M by Branch	
Standard Units of Measures	
Manufacturing ConstantsShift Information	
Supply & Demand Inclusion Rules	
Row Type Codes	159
MPS/MRP Generation Program	165
Sources of Demand	181
•	

Introduction	181
Planner Demand	181
Sales Forecast Demand	192
Customer Order Demand	195
Interplant Demand	209
Transfer Order Overview	209
Transfer Order Entry	209
Order ReviewST Order InformationOT Order Information	212 212 213
Print Pick Slip	210
Confirm Shipment	217
Review Shipment	219
Item Availability Review	220
OT Receipt	22:
Planned Work Order Requirements	223
Sample Data Setup	223
Pegging	228
Leadtime Offset (in the BOM)	230
Released Work Order Requirements	235
WO Component Requirements – Header Only	23!
Work Order with Parts List Attached	239
Understanding Low Level Codes	243
Manufacturing Planning – Beyond MRP	247
Forecasting	247
Forecast Types	247
Forecasting Process  Sales Extract  Forecast Generation  Forecast Review  Forecast Summarization	248 264
Forecast Consumption	
Forecast Consumption	<b>276</b> 276 276
Forecast Consumption ExampleConclusion	

Multi-Plant Distribution Requirements Planning (DRP)	283
System Setup	283
Item Setup	285 293
DRP Version Setup	
Master Production Scheduling (MPS)	299
Levels of MPS	299
Basic Setup – Co-mingled MPS and MRP	300
Item Setup	300
MPS Generation Setup	303
More Complex – Item Segregation	305
Item Setup	305
Plan Generation Setup	308
Results – Item Separation	309
Formal MPS with Forecasts	309
Item Setup	310
MPS Generation Setup	310
Freezing the Master Schedule	312
Work Order Freeze Codes	212
Item Freeze Fence	316
Results – Formal MPS	318
MPS without Forecasts	319
Results – MPS without Forecasts	320
MPS Comparison	321
Operations Planning – Conclusion	323
Resource and Capacity Planning	325
Introduction	325
Resource Requirements Planning (RRP)	327
RRP Setup	328
Work Center Master	328
Resource Units Refresh	332
Item Forecasts	340
Resource Profile	342
RRP Generation	343
Rough-Cut Capacity Planning (RCCP)	353
RCCP Setup	
Loading the Work Center	355
RCCP Generation	
Capacity Requirements Planning (CRP)	
CRP Setup	
	501

Work Order Release Unloading Work Centers Conclusion  Advanced Planning Topics  Supplier Scheduling Sample Data  Supplier Scheduling Setup Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results  Review Supplier Schedule Print Optimizing the MRP Processes  Batch Message Processing Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory Non-Nettable Held Inventory Nettable Held Inventory Nettable Held Inventory	_ 365
Unloading Work Centers  Conclusion  Advanced Planning Topics  Supplier Scheduling  Sample Data  Supplier Scheduling Setup  Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results  Review Supplier Schedule  Supplier Schedule  Supplier Schedule Print  Optimizing the MRP Processes  Batch Message Processing  Message Release  Setup for Releasing Orders at Night  Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders  Recommended Solution Example — Non-Nettable PO in MRP  Nettable vs. Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	
Conclusion	_ 372
Sample Data Supplier Scheduling Sample Data Supplier Scheduling Setup Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results Review Supplier Schedule Print Optimizing the MRP Processes  Batch Message Processing Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory	_ 376
Sample Data Supplier Scheduling Setup Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results  Review Supplier Schedule Supplier Schedule Supplier Schedule Poptimizing the MRP Processes  Batch Message Processing Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable Inventory Non-Nettable Held Inventory Non-Nettable Held Inventory	_ 377
Supplier Scheduling Setup Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results  Review Supplier Schedule Supplier Schedule Supplier Schedule Supplier Schedule Supplier Schedule Supplier Schedule Print Optimizing the MRP Processes  Batch Message Processing  Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable Inventory Non-Nettable Held Inventory	_ 377
Blanket Orders Supplier Schedule Master Shipment Pattern  Generate Supplier Schedule Plan Generation Results  Review Supplier Schedule Supplier Schedule Supplier Schedule Print Optimizing the MRP Processes  Batch Message Processing Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory	_ 379
Plan Generation Results  Review Supplier Schedule  Release Supplier Schedule  Supplier Schedule Print  Optimizing the MRP Processes  Batch Message Processing  Message Release  Setup for Releasing Orders at Night  Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable Inventory  Non-Nettable Held Inventory	384 385
Release Supplier Schedule  Supplier Schedule Print  Optimizing the MRP Processes  Batch Message Processing  Message Release  Setup for Releasing Orders at Night  Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	<b>390</b> 390 392
Supplier Schedule Print Optimizing the MRP Processes  Batch Message Processing  Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory	_ 393
Optimizing the MRP Processes  Batch Message Processing  Message Release  Setup for Releasing Orders at Night  Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	_ 397
Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory	_ 401
Message Release Setup for Releasing Orders at Night Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders Recommended Solution Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory Non-Nettable Held Inventory	_ 402
Setup for Releasing Orders at Night  Conclusion  Nettable vs. Non-Nettable Supply in MRP  Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	_ 403
Conclusion	_ 404
Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	_ 410
Non-Nettable Purchase Orders  Recommended Solution  Example – Non-Nettable PO in MRP  Nettable vs. Non-Nettable Inventory  Non-Nettable Held Inventory	_ 414
Recommended Solution	_ 415
Non-Nettable Held Inventory	_ <b>415</b> 416 419
Nettable Held III ellipsis	_ <b>433</b> 436 439
Conclusion	_ 442
Supplier Consigned Inventory	_ 443
Business Case  Sample Process  Requirements	_ <b>443</b> 443 444
Solution Options Consignment Branch Plant Option	- <b>44</b> 4
Receipt Routing Option	` `
Receipt Routing Example	447

JDEtips, Inc.

Conclusion	45
EnterpriseOne 9.2 User Interface	45
Introduction	45
Queries	45
Sharing User Defined Objects	45
One View Watchlists	46
Grid Formats	46
Composite Application Framework (aka CafeOne)	46
Personal Forms	46
EnterpriseOne Search	47
Images	47
EnterpriseOne Pages	47
Attachments via Side Panel	48
UX One	48
Summary	48
Summary Summar	