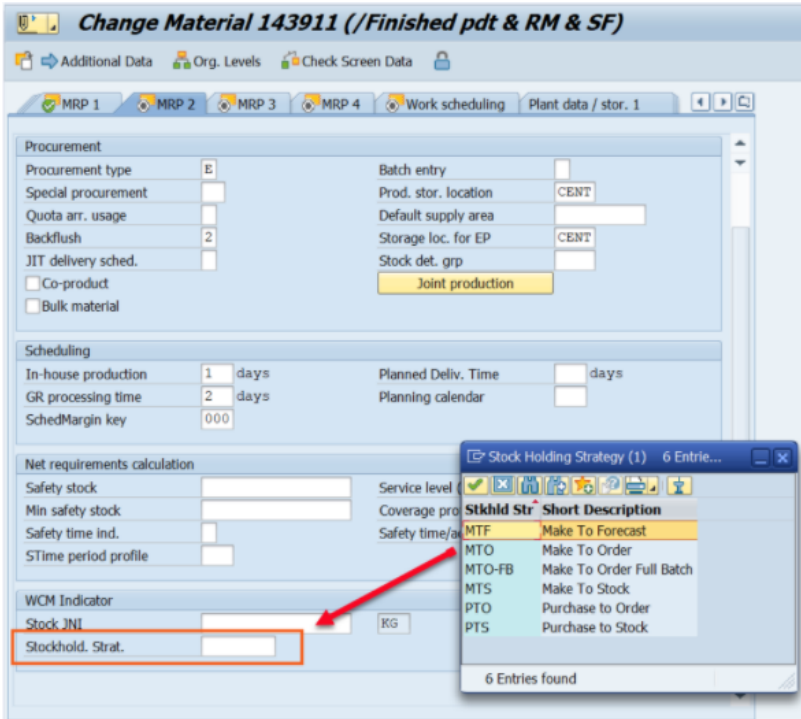


i. Data from SAP - P&I

Element from SAP	ScreenShot	Explanations
Stockholding Strategy (MRP2)	 The screenshot shows the SAP 'Change Material' transaction for material 143911. The 'MRP 2' tab is active. In the 'Procurement' section, 'Procurement type' is 'E'. In the 'Scheduling' section, 'In-house production' is '1' days and 'GR processing time' is '2' days. In the 'Net requirements calculation' section, 'Safety stock' is empty. In the 'WCM Indicator' section, 'Stock JN1' is empty and 'Stockhold. Strat.' is highlighted with a red box. A red arrow points from the 'Stockhold. Strat.' field to a pop-up dialog titled 'Stock Holding Strategy (1) 6 Entries...'. The dialog shows a list of strategies: MTF (Make To Forecast), MTO (Make To Order), MTO-FB (Make To Order Full Batch), MTS (Make To Stock), PTO (Purchase to Order), and PTS (Purchase to Stock). The 'MTF' strategy is highlighted in yellow.	New dedicated field in SAP to store this information. • Used in P&I to calculate the 'SHS RLT', more info here 5 . Monolevel LT & SHS RLT • Used for CEM project in SAP at Sales order entry - CEM control - Example : MTO FB and Lot Size control

Catalog
Lead
Time
(MRP2)

Display Material 143911 (/Finished pdt & RM & SF)

Additional Data Org. Levels

MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant d...

Material 143911 YPHOS 44ZW 20KG 44.1LB PE PL
Plant 8373 7752 Niagara Falls

Procurement

Procurement type E Batch entry ☐
Special procurement ☐ Prod. stor. location CENT
Quota arr. usage ☐ Default supply area
Backflush 2 Storage loc. for EP CENT
JIT delivery sched. ☐ Stock det. grp
☐ Co-product
☐ Bulk material

Scheduling

In-house production 1 days Planned Deliv. Time 0 days
GR processing time 2 days Planning calendar
SchedMargin key 000

Net requirements calculation

Safety stock 0 Service level (%) 0,0
Min safety stock 0 Coverage profile
Safety time ind. Safety time/act.cov. 0 days
STime period profile

WCM Indicator

Stock JMI 0 BG
Stockhold. Strat.
Catalog LT 0 days

Catalog Lead Time (Calendar days) definition has been reviewed and the reference date is the material availability date.

Usage:

- Will be interfaced with P&I solution (SAP -> P&I)

Note: As of 21th June 2021, only for Novecare GBU: the SAP field 'TRLT' field currently stocks the "Promised LT to Customer". There are on going discussions to stock 'Promised LT to Customer' in SAP field 'Catalog LT'. This would also allow to stock 'SHS RLT' (calculated in DynaSys P&I) in TRLT field.

- Will be used at Sales order entry - CEM control

Order Date - Material Availability Date >= Catalog Lead Time

If the Catalog Lead Time is empty or set to 0, then the control will be done against the Tot. Repl. Lead Time.

Tot. repl.
Lead
time (MRP
3)

Display Material 143911 (/Finished pdt & RM & SF)

Additional Data Org. Levels

MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant data / stor. 2

Material 143911 YPHOS 442W 20KG 44.1LB PE PL
Plant 8373 7752 Niagara Falls

Forecast Requirements
Period Indicator M Fiscal Year Variant Splitting indicator

Planning
Strategy Group ZM Plan w/fin assembly PIR cons. in month
Consumption mode Bwd consumption per. 0
Fwd consumption per. 0 Mixed MRP
Planning material Planning plant
Plng conv. factor Planning matl BUnit

Availability check
Availability check X2 Tot. repl. lead time 58 days
Cross-project

- Will be interfaced with P&I solution (SAP -> P&I), used in SAP in the ATP Check.

Ideally, DynaSys will calculate "SHS RLT" (Stock Holding Strategy dependent RLT).

The GBU will decide if they want or not to feed the "TRLT" field of SAP with this value

Note: As of 21th June 2021, only for Novocare GBU: the SAP field 'TRLT' field currently stocks the "Promised LT to Customer". There are on going discussions to stock 'Promised LT to Customer' in SAP field 'Catalog LT'. This would also allow to stock 'SHS RLT' (calculated in DynaSys P&I) in TRLT field.

CCR
(Standard
price)

Display Material 319216 (/Finished pdt & RM & SF)

Additional Data Org. Levels

Costing 1 Costing 2 Plant stock Label Data

Material 319216 RHODAPEX ESB 70 NAT MB INT
Plant 8026 6059 Roha

Standard Cost Estimate

Cost Estimate	Future	Current	Previous
Period / Fiscal Year	0	6 2021	5 2021
Planned price	0, 00	100. 448, 20	100. 684, 25
Standard price		100. 448, 20	

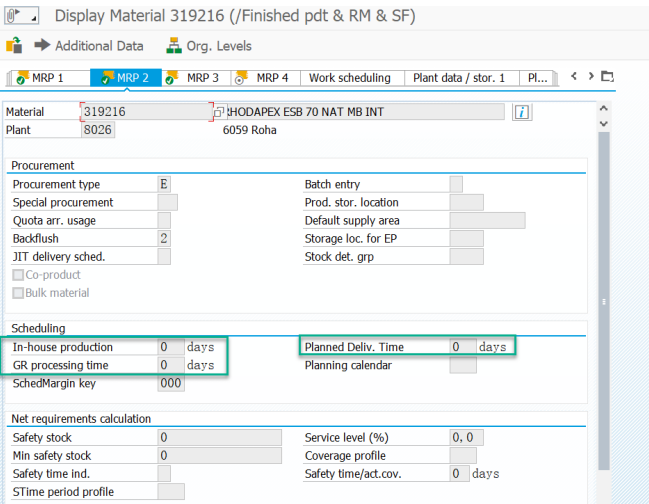
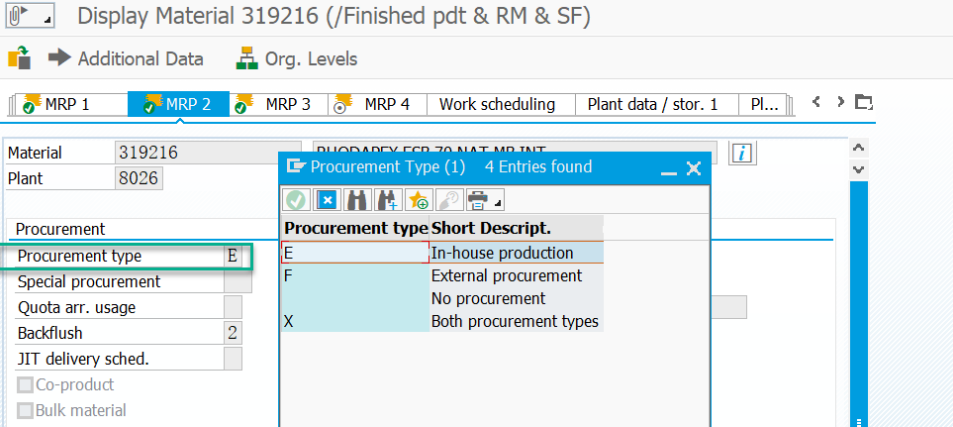
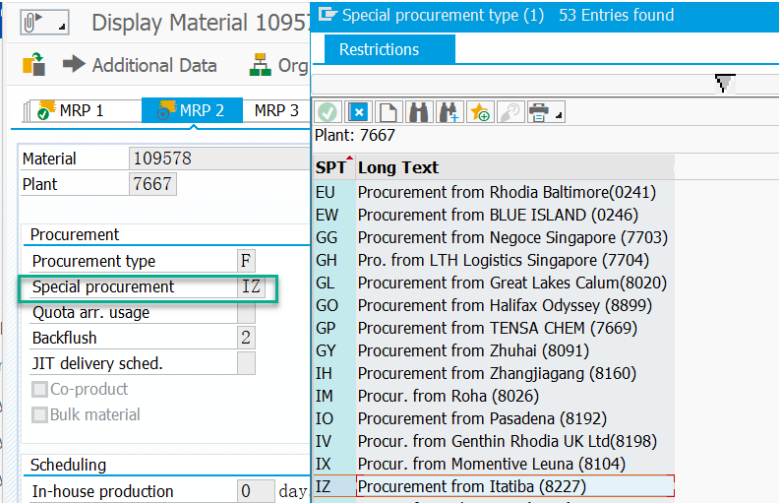
Planned prices

Planned price	Planned price date
Planned price 1 0, 00	Planned price date 1
Planned price 2 0, 00	Planned price date 2
Planned price 3 0, 00	Planned price date 3

Valuation Data

Valuation Class	Valuation Category
Z150	
VC: Sales order stk	Proj. stk val. class
Price control S	Current period 6 2021
Price unit 1. 000	Currency INR
Moving price 0, 00	Standard price 100. 448, 20

- Will be interfaced with P&I solution (SAP -> P&I). Used in DynaSys P&I to convert stock volumes to stock values, specially to calculate the Working Capital Impact.
- Note: we use 'Standard price' to value all the stocks in DynaSys P&I (to use the same "cost" reference)

SAP Lead times	Good Receipt, Inhouse production, Planned Delivery time (from MRP view), Purchase Info Record information,... 	See dedicated section 2. Lead times coming from SAP
Procurement type		Used in P&I to classify Materials in 'Produced' (Procurement type = E) and 'Purchased' (Procurement type = F). => this will have an impact in 'Monolevel RLT' + 'SHS RLT' calculation, since it will tell the algorithm which leadtimes from SAP to take. More information here 5. Monolevel LT & SHS RLT Note: X / empty Procurement type will be considered as 'Purchased'
Special Procurement Key (SPK)		The Special Procurement Key is used to know the Source Site in InterCo flows. In Dyn P&I it helps construct the Supply network (or Bill of Distribution), which is used in 'SHS RLT' calculation. It's the analogous to 'BOM' but for 'Purchased Materials'.

BOM	SAP (CS03) Display material BOM: General Item Overview Subitems New Entries Header Validity Material 319216 JHODAPEX ESB 70 NAT MB INT Plant 8026 6059 Roha Alternative BOM 1 Material Document General <table><tr><th>Item</th><th>IC</th><th>Component</th><th>Component description</th><th>Quantity</th><th>Un</th><th>SortStrng</th><th>Fl...</th><th>A...</th><th>Sis</th><th>Valid From</th><th>Valid to</th></tr><tr><td>0010 L</td><td></td><td>170072</td><td>ETHOXYLATED LAURYL ALCO 2 MOLE NAT MB BU</td><td>536</td><td>KG</td><td></td><td></td><td></td><td></td><td>25.05.2021</td><td>31.12.9999</td></tr><tr><td>0020 L</td><td></td><td>74814</td><td>CAUSTIC SODA 48% BU</td><td>90</td><td>KG</td><td></td><td></td><td></td><td></td><td>25.05.2021</td><td>31.12.9999</td></tr><tr><td>0030 L</td><td></td><td>131769</td><td>MOLTEN SULPHUR BU</td><td>65</td><td>KG</td><td></td><td></td><td></td><td></td><td>25.05.2021</td><td>31.12.9999</td></tr><tr><td>0040 L</td><td></td><td>132401</td><td>PROCESSED WATER BU</td><td>254</td><td>KG</td><td></td><td></td><td></td><td></td><td>25.05.2021</td><td>31.12.9999</td></tr><tr><td>0050 L</td><td></td><td>114913</td><td>CITRIC ACID ANHYDROUS 25KG BG</td><td>2</td><td>KG</td><td></td><td></td><td></td><td></td><td>25.05.2021</td><td>31.12.9999</td></tr></table>	Item	IC	Component	Component description	Quantity	Un	SortStrng	Fl...	A...	Sis	Valid From	Valid to	0010 L		170072	ETHOXYLATED LAURYL ALCO 2 MOLE NAT MB BU	536	KG					25.05.2021	31.12.9999	0020 L		74814	CAUSTIC SODA 48% BU	90	KG					25.05.2021	31.12.9999	0030 L		131769	MOLTEN SULPHUR BU	65	KG					25.05.2021	31.12.9999	0040 L		132401	PROCESSED WATER BU	254	KG					25.05.2021	31.12.9999	0050 L		114913	CITRIC ACID ANHYDROUS 25KG BG	2	KG					25.05.2021	31.12.9999	In Dyn P&I it helps map out & link the Finish Product to its Components /Raw Materials which is used in 'SHS RLT' calculation. It's the analogous to 'SPK' but for 'Produced Materials'. Note: we use same BOMs as DiP. In DiP module, the BOM are used used to calculate the dependent requirements and then the Production Plan Only one alternative BOM in Dynasys, first production version (alphanumeric) in valid Dates
Item	IC	Component	Component description	Quantity	Un	SortStrng	Fl...	A...	Sis	Valid From	Valid to																																																															
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Inbound frequency	Number of inbounds during Replenishment Lead time (SHS RLT). This is calculated in DynaSys P&I from SAP MB51 number of stock entries (BW serves as the intermediate layer to calculate the 'Number of entries' from SAP MB51 transaction)	Used in Cycle Stock (only for Purchased Materials) to adjust formula results. More information on calculation here 7. Frequency of Inbound																																																																								

Unit Contribution on Margin	No interface developed yet, but in the future it will come from BW PL Integrated Margin CM/GM Query (BW_QRY_MVCOPA01_0004)	BW topic is on going, more info here BW_CM
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