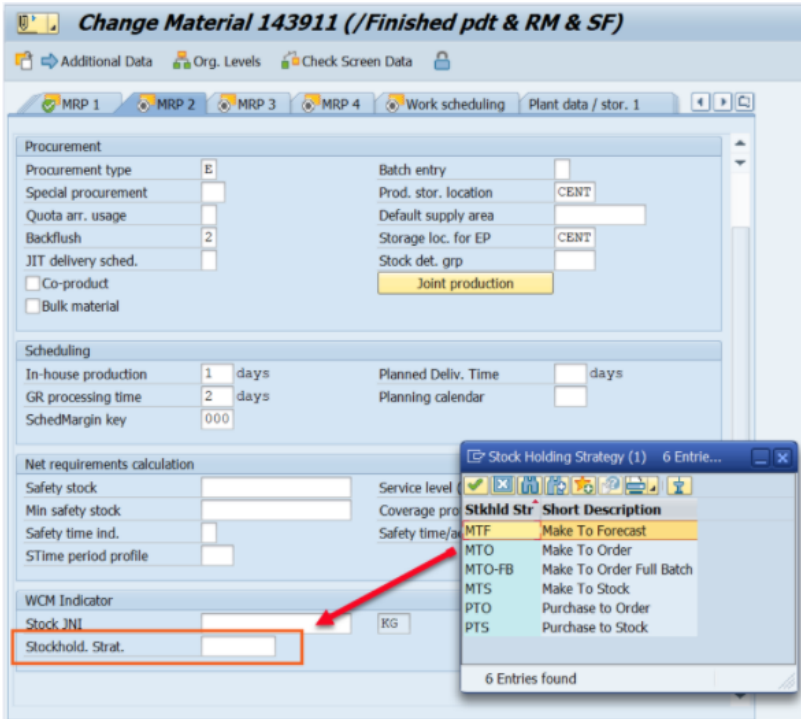


i. Data from SAP - P&I

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 'Net requirements calculation' section, the 'Stockholding Strat.' field is highlighted with a red rectangle. A red arrow points from this field to a dropdown menu that is open, displaying a list of stockholding strategies. The dropdown menu has a title bar 'Stock Holding Strategy (1) 6 Entries...' and a table with two columns: 'Stkhld Str' and 'Short Description'. The table lists six 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 '6 Entries found' text is visible at the bottom of the dropdown.	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 JNI 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 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	Z150	Valuation Category	
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](#)

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

Additional Data Org. Levels

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

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

Procurement

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

Co-product
Bulk material

Scheduling

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

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

Procurement type

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

Additional Data Org. Levels

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

Material 319216 HODAPEX ESB 70 NAT MB INT
Plant 8026

Procurement

Procurement type E
Special procurement
Quota arr. usage
Backflush 2
JIT delivery sched.
Co-product
Bulk material

Procurement Type (1) 4 Entries found

Procurement type Short Descript.

E	In-house production
F	External procurement
	No procurement
X	Both procurement types

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)

Display Material 109578

Additional Data Org. Levels

MRP 1 MRP 2 MRP 3

Material 109578
Plant 7667

Procurement

Procurement type F
Special procurement IZ
Quota arr. usage
Backflush 2
JIT delivery sched.
Co-product
Bulk material

Scheduling

In-house production 0 day

Special procurement type (1) 53 Entries found

Restrictions

Plant: 7667

SPT Long Text

EU	Procurement from Rhodia Baltimore(0241)
EW	Procurement from BLUE ISLAND (0246)
GG	Procurement from Negoce Singapore (7703)
GH	Pro. from LTH Logistics Singapore (7704)
GL	Procurement from Great Lakes Calum(8020)
GO	Procurement from Halifax Odyssey (8899)
GP	Procurement from TENSA CHEM (7669)
GY	Procurement from Zhuhai (8091)
IH	Procurement from Zhangjiagang (8160)
IM	Procur. from Roha (8026)
IO	Procurement from Pasadena (8192)
IV	Procur. from Genthin Rhodia UK Ltd(8198)
IX	Procur. from Momenive Leuna (8104)
IZ	Procurement from Itatiba (8227)

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 Material319216JHODAPEX ESB 70 NAT MB INT Plant80266059 Roha Alternative BOM1 MaterialDocumentGeneral <table><tr><th>Item</th><th>ICt</th><th>Component</th><th>Component description</th><th>Quantity</th><th>Un</th><th>SortStrng</th><th>Fl...</th><th>A...</th><th>Sl</th><th>Valid From</th><th>Valid to</th></tr><tr><td>0010 L</td><td>170072</td><td></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>74814</td><td></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>131769</td><td></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>132401</td><td></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>114913</td><td></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	ICt	Component	Component description	Quantity	Un	SortStrng	Fl...	A...	Sl	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	ICt	Component	Component description	Quantity	Un	SortStrng	Fl...	A...	Sl	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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