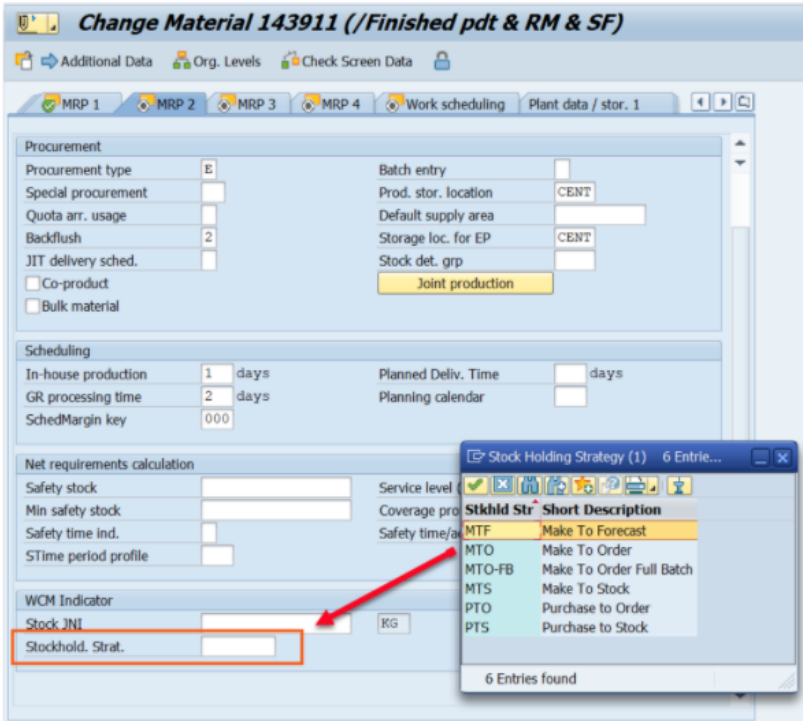
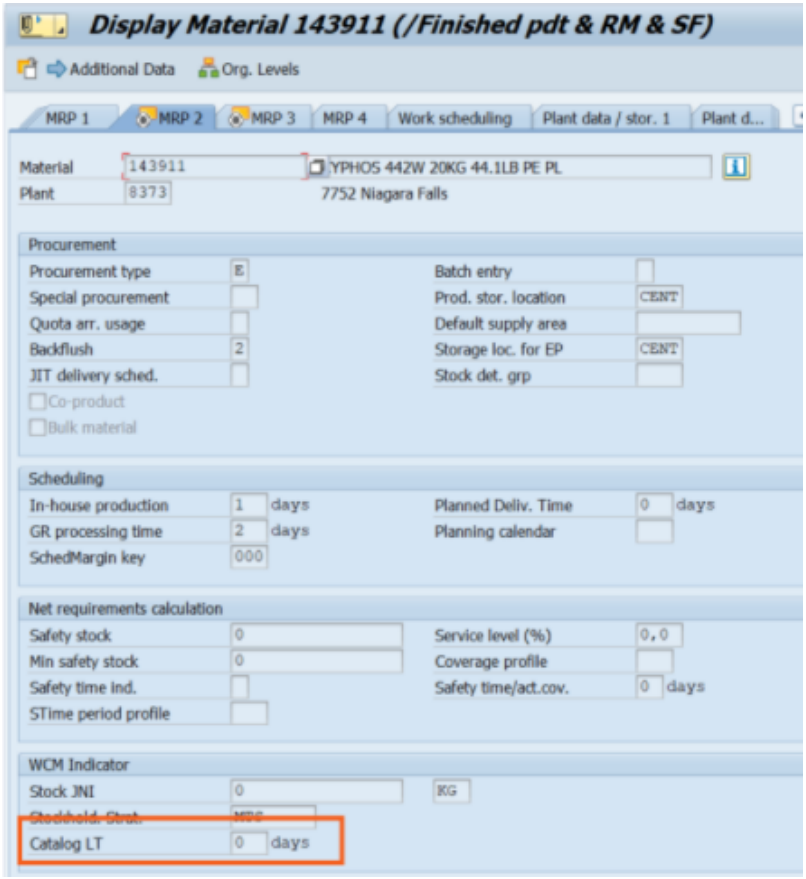
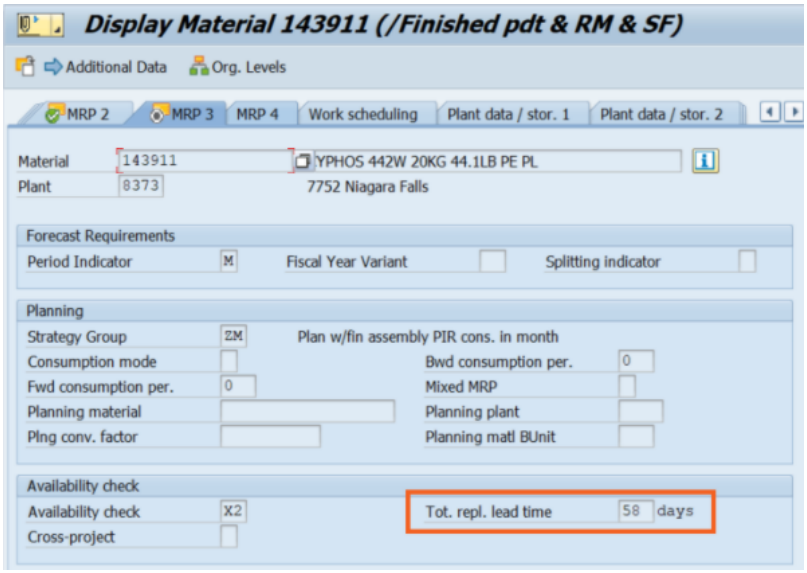
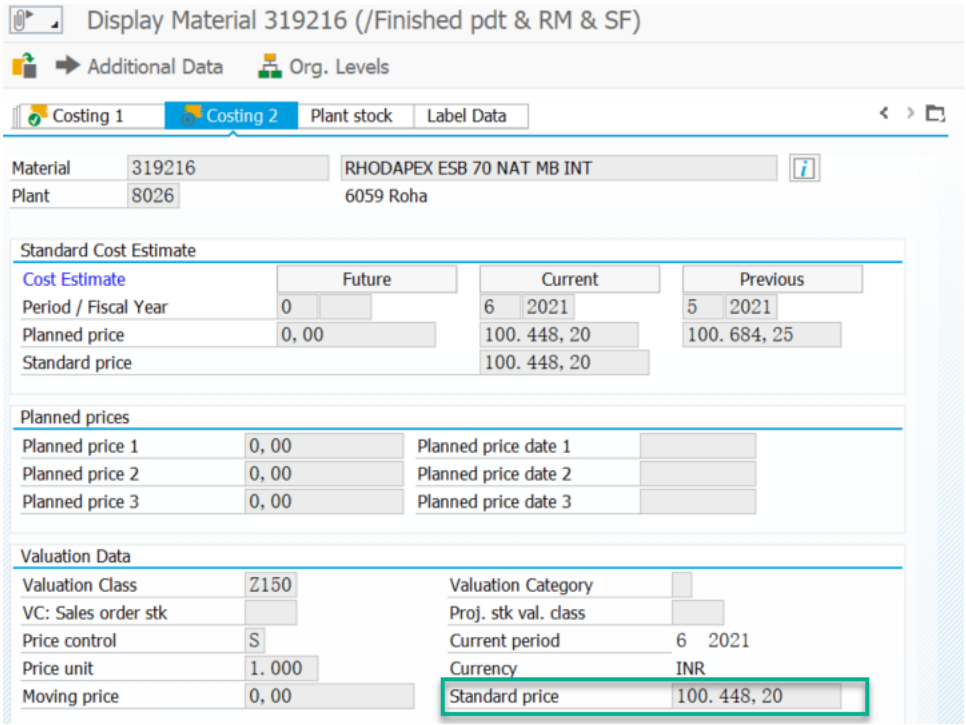
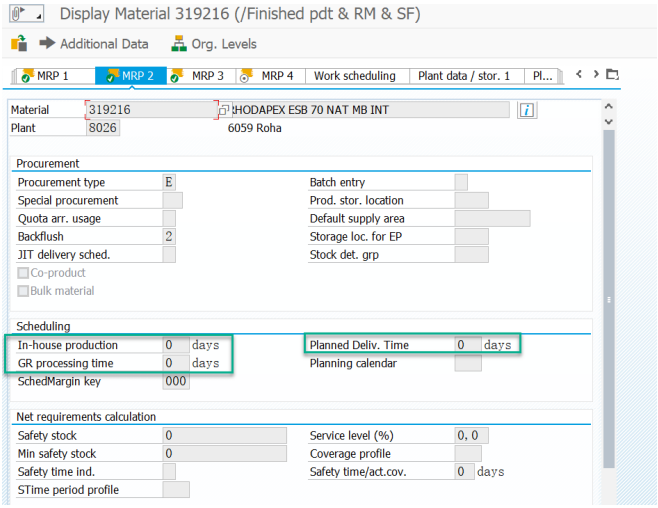
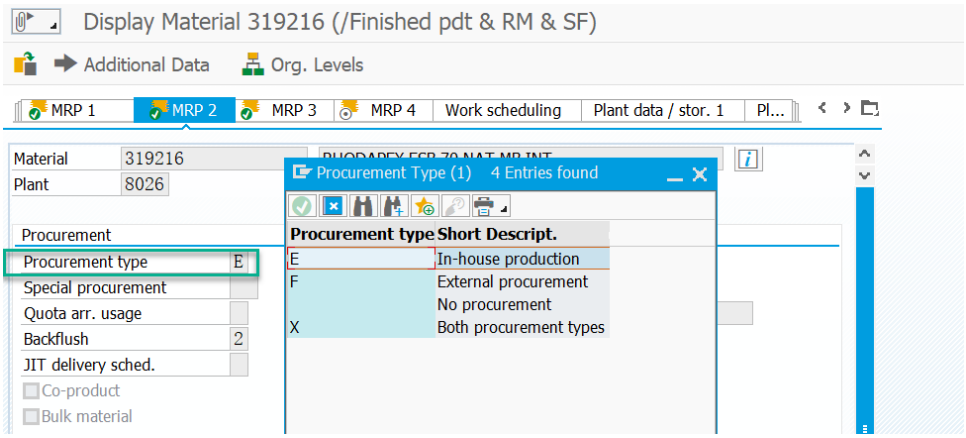
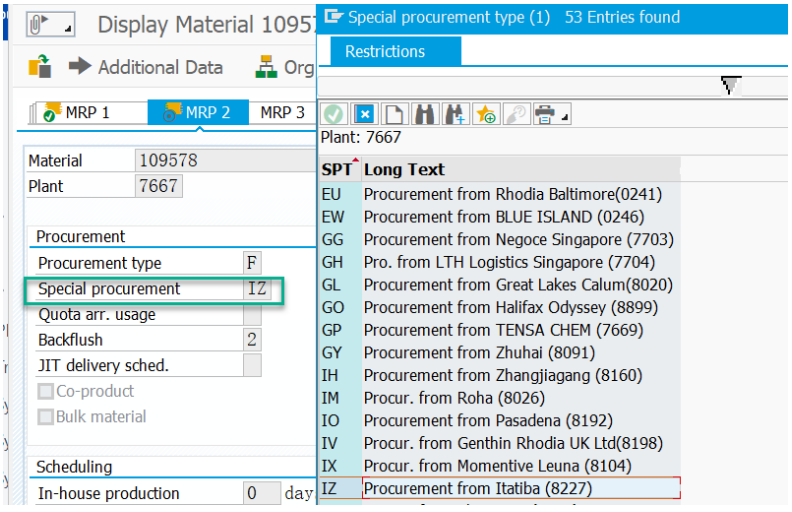
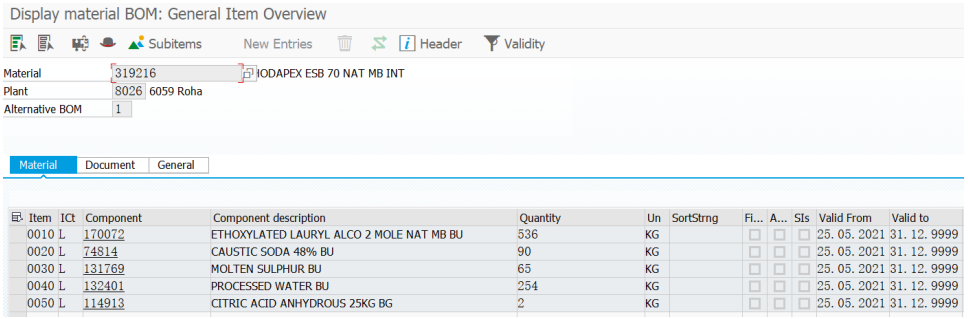
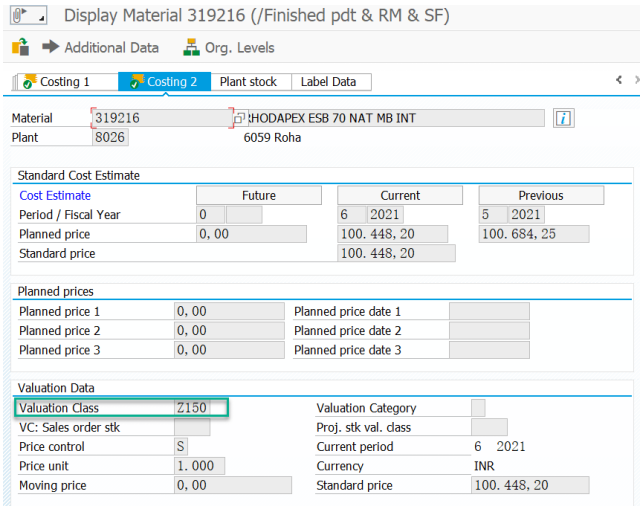
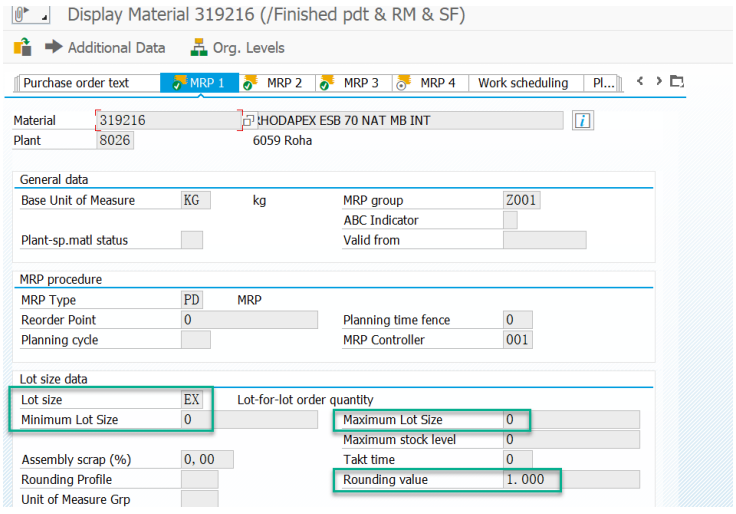
i. Data from SAP - P&I

Element from SAP	ScreenShot	Explanations
Stockholding Strategy (MRP2)		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)		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)		• 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 wit this value 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.
CCR (Standard price)		• 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 HODAPEX ESB 70 NAT MB INT Plant 8026 6059 Roha Alternative BOM 1 Material Document General Item ICt Component Component description Quantity Un SortStrng Fi... 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
Valuation Class from SAP	 Display Material 319216 (/Finished pdt & RM & SF) Additional Data Org. Levels Costing 1 Costing 2 Plant stock Label Data Material 319216 HODAPEX 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	The 'Valuation Class from SAP' is used as information (reference) for the user when trying to define the 'Valuation Class for P&I'. More information here 0. Proposed Valuation Class for P&I
Lot size data	 Display Material 319216 (/Finished pdt & RM & SF) Additional Data Org. Levels Purchase order text MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Pl... Material 319216 HODAPEX ESB 70 NAT MB INT Plant 8026 6059 Roha General data Base Unit of Measure KG kg MRP group Z001 ABC Indicator Plant-sp.matl status Valid from MRP procedure MRP Type PD MRP Reorder Point 0 Planning time fence 0 Planning cycle MRP Controller 001 Lot size data Lot size EX Lot-for-lot order quantity Minimum Lot Size 0 Maximum Lot Size 0 Maximum stock level 0 Assembly scrap (%) 0, 00 Takt time 0 Rounding Profile Rounding value 1. 000 Unit of Measure Grp	SAP lot size data is used to determine the 'Batch size for P&I', following same logic as DiP. More information here 8. Batch size for P&I From SAP MB51 stock entries, we calculate also a 'Median batch size' as information, more information can be found in the same previous link.
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 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