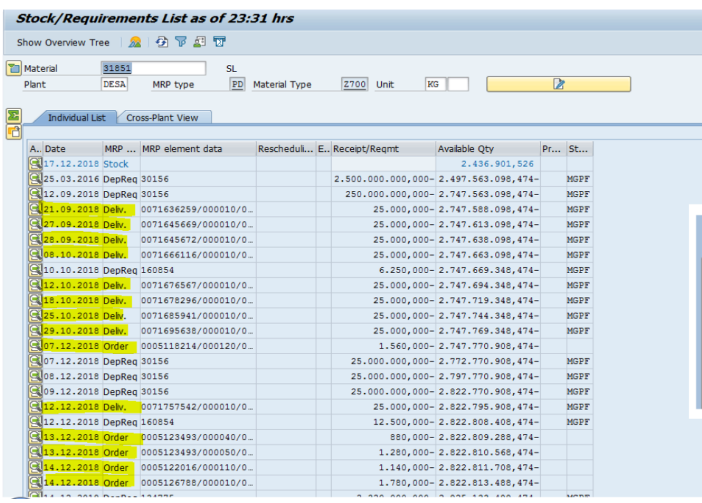
4.2.2c - Planning elements from SAP

General note for: Firm shipment (FS), In transit (ITI), and Sales Order book (SOB) and External Purchase Order (EPO) flows:

- On FS / ITI / Sales Order Book : in case of a Consignment flow, Receiving site code might be transcoded from "Consignment plant" to "Shipto code". More info in this section Consignment plant -> Shipto transco
- On External Purchase Order (EPO): in case of non standard SAP flow (or "Unlinked flow", or flow "SO - PO"), we will use the BW table ZMATVENDOR to exclude some Material x Vendor flows, so it might affect content of BW_EPO file. Please consult ZMATVENDOR section for more information,

Backorder

Backorder: Deliveries + Sales Order of the **SAP** transaction code **MD04** whose date < current date (in the following example, the current day is the 17/12 /2018).



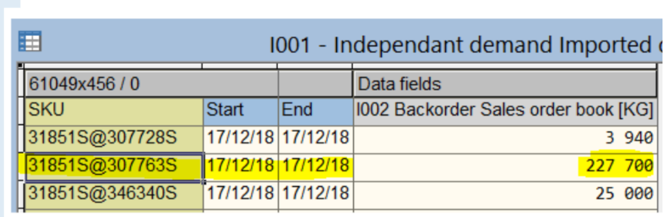
Stock/Requirements List as of 23:31 hrs

Show Overview Tree

Material 31851 SL
Plant DESA MRP type PD Material Type Z700 Unit KG

Individual List | Cross-Plant View

A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	Pr...	St...
	17.12.2018	Stock					2.436.901,526		
	25.03.2016	DepReq	30156			2.500.000.000,000-	2.497.563.098,474-		MGPF
	12.09.2018	DepReq	30156			250.000.000,000-	2.747.563.098,474-		MGPF
	21.09.2018	Deliv.	0071636259/000010/0...			25.000,000-	2.747.588.098,474-		MGPF
	27.09.2018	Deliv.	0071645669/000010/0...			25.000,000-	2.747.613.098,474-		MGPF
	28.09.2018	Deliv.	0071645672/000010/0...			25.000,000-	2.747.638.098,474-		MGPF
	08.10.2018	Deliv.	0071666116/000010/0...			25.000,000-	2.747.663.098,474-		MGPF
	10.10.2018	DepReq	160854			6.250,000-	2.747.669.348,474-		MGPF
	12.10.2018	Deliv.	0071676567/000010/0...			25.000,000-	2.747.694.348,474-		MGPF
	18.10.2018	Deliv.	0071678296/000010/0...			25.000,000-	2.747.719.348,474-		MGPF
	25.10.2018	Deliv.	0071685941/000010/0...			25.000,000-	2.747.744.348,474-		MGPF
	29.10.2018	Deliv.	0071695638/000010/0...			25.000,000-	2.747.769.348,474-		MGPF
	07.12.2018	Order	0005118214/000120/0...			1.560,000-	2.747.770.908,474-		
	07.12.2018	DepReq	30156			25.000.000,000-	2.772.770.908,474-		MGPF
	08.12.2018	DepReq	30156			25.000.000,000-	2.797.770.908,474-		MGPF
	09.12.2018	DepReq	30156			25.000.000,000-	2.822.770.908,474-		MGPF
	12.12.2018	Deliv.	0071757542/000010/0...			25.000,000-	2.822.795.908,474-		MGPF
	12.12.2018	DepReq	160854			12.500,000-	2.822.808.408,474-		MGPF
	13.12.2018	Order	0005123493/000040/0...			880,000-	2.822.809.288,474-		
	13.12.2018	Order	0005123493/000050/0...			1.280,000-	2.822.810.568,474-		
	14.12.2018	Order	0005122016/000110/0...			1.140,000-	2.822.811.708,474-		
	14.12.2018	Order	0005126788/000010/0...			1.780,000-	2.822.813.488,474-		



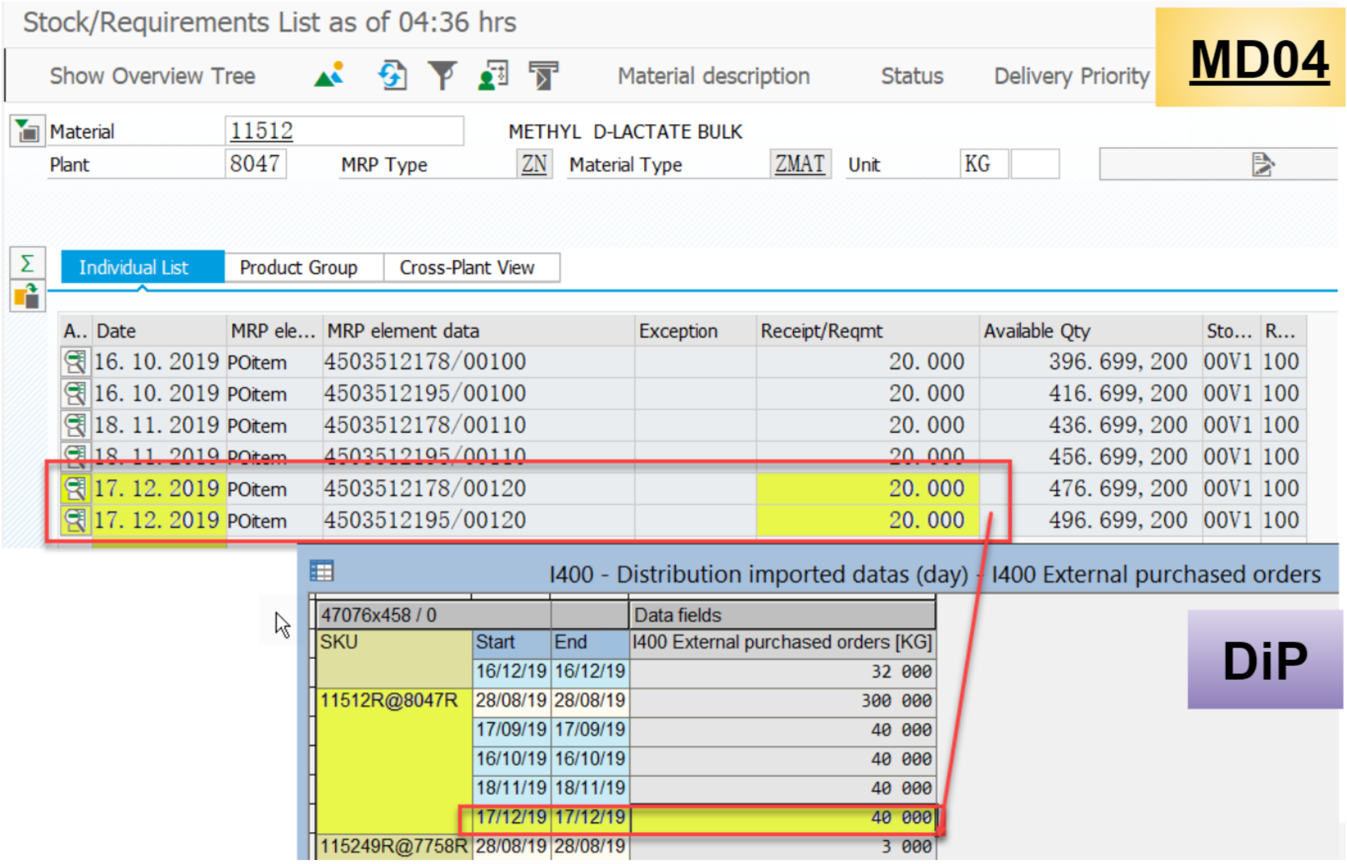
I001 - Independant demand Imported

61049x456 / 0			Data fields
SKU	Start	End	I002 Backorder Sales order book [KG]
31851S@307728S	17/12/18	17/12/18	3 940
31851S@307763S	17/12/18	17/12/18	227 700
31851S@346340S	17/12/18	17/12/18	25 000

Current interface cumulates all these SO + Del on the current date, it’s also possible to not accumulate them and place them on their respective dates

External Purchase Order

SAP Transaction **MD04** allow the user to view the Stock/Requirement List please check the Individual List tab

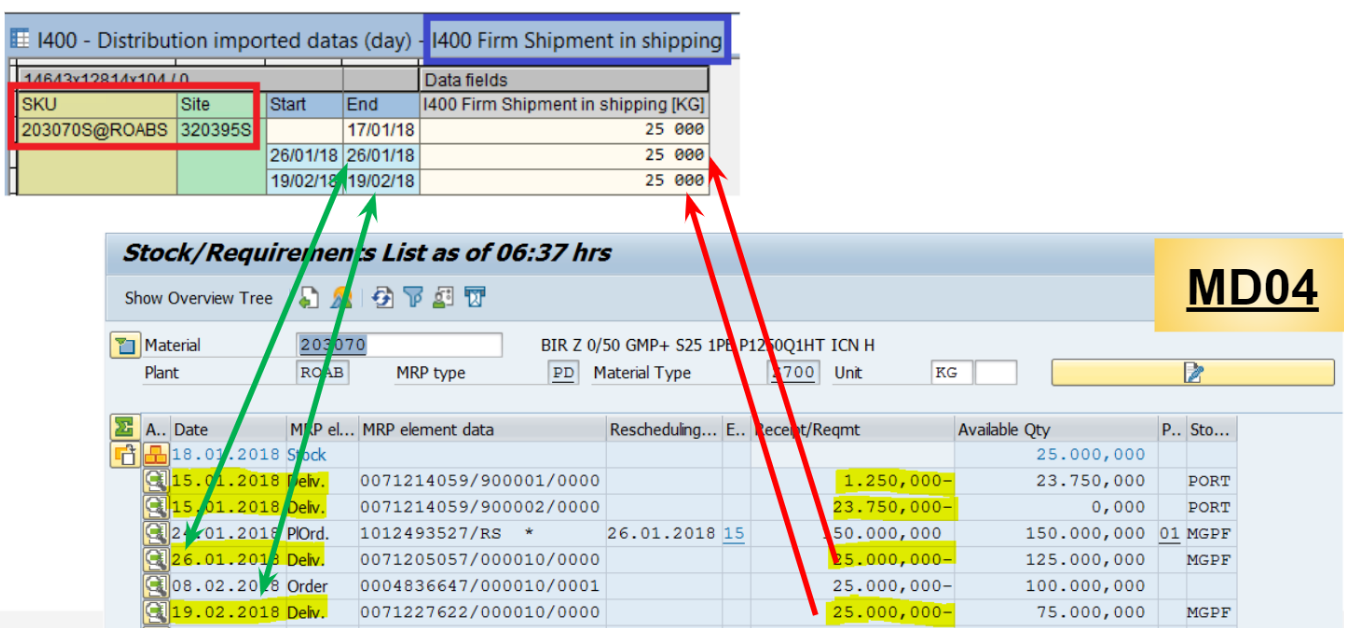


A..	Date	MRP ele...	MRP element data	Exception	Receipt/Reqmt	Available Qty	Sto...	R...
	16. 10. 2019	POitem	4503512178/00100		20. 000	396. 699, 200	00V1	100
	16. 10. 2019	POitem	4503512195/00100		20. 000	416. 699, 200	00V1	100
	18. 11. 2019	POitem	4503512178/00110		20. 000	436. 699, 200	00V1	100
	18. 11. 2019	POitem	4503512195/00110		20. 000	456. 699, 200	00V1	100
	17. 12. 2019	POitem	4503512178/00120		20. 000	476. 699, 200	00V1	100
	17. 12. 2019	POitem	4503512195/00120		20. 000	496. 699, 200	00V1	100

47076x458 / 0			Data fields
SKU	Start	End	I400 External purchased orders [KG]
	16/12/19	16/12/19	32 000
11512R@8047R	28/08/19	28/08/19	300 000
	17/09/19	17/09/19	40 000
	16/10/19	16/10/19	40 000
	18/11/19	18/11/19	40 000
	17/12/19	17/12/19	40 000
115249R@7758R	28/08/19	28/08/19	3 000

Firm Shipments in Shipping date 1/3

Firm Shipments correspond to the Delivery + SO in the **SAP** Transaction **MD04** Stock/Requirements List



14643x12814x104 / 0				Data fields
SKU	Site	Start	End	I400 Firm Shipment in shipping [KG]
203070S@ROABS	320395S		17/01/18	25 000
		26/01/18	26/01/18	25 000
		19/02/18	19/02/18	25 000

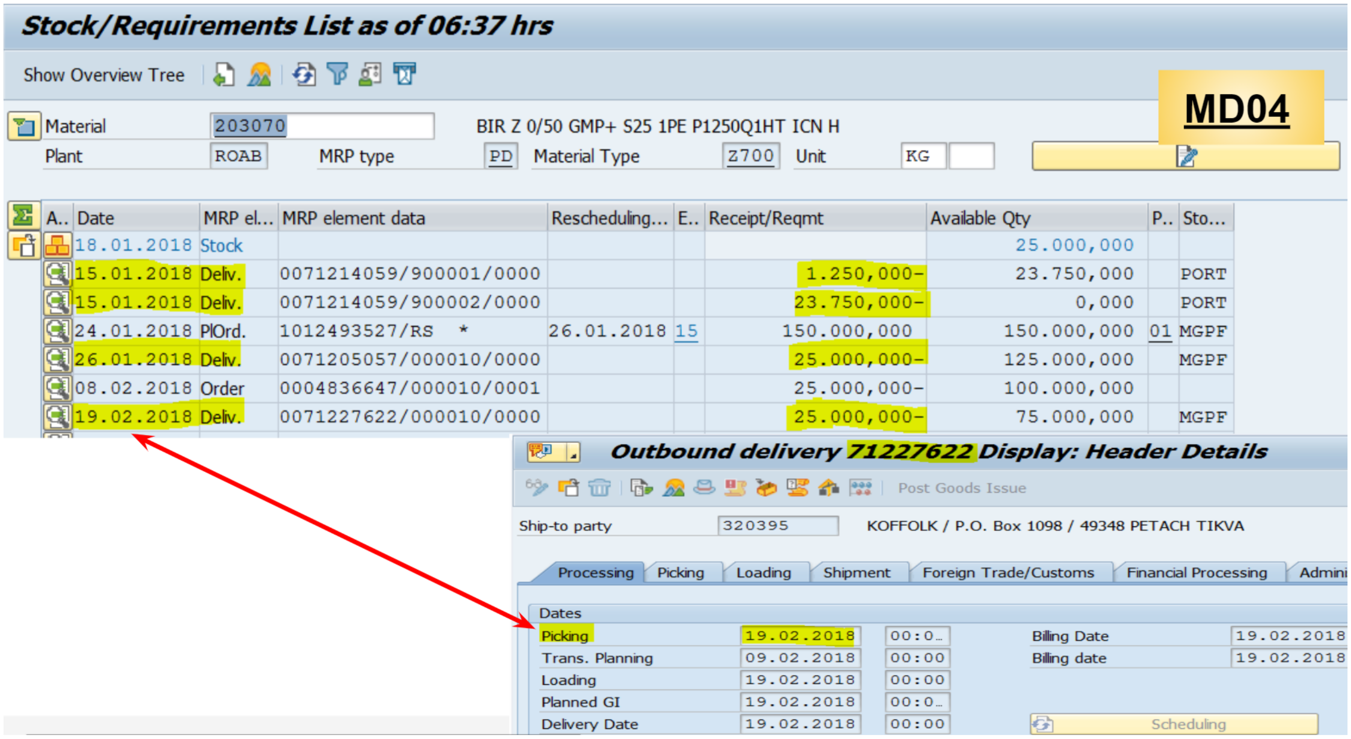
A..	Date	MRP el...	MRP element data	Rescheduling...	E..	Receipt/Reqmt	Available Qty	P..	Sto...
	18.01.2018	Stock					25.000,000		
	15.01.2018	Deliv.	0071214059/900001/0000			1.250,000-	23.750,000		PORT
	15.01.2018	Deliv.	0071214059/900002/0000			23.750,000-	0,000		PORT
	24.01.2018	PlOrd.	1012493527/RS *	26.01.2018	15	150.000,000	150.000,000	01	MGPF
	26.01.2018	Deliv.	0071205057/000010/0000			25.000,000-	125.000,000		MGPF
	08.02.2018	Order	0004836647/000010/0001			25.000,000-	100.000,000		
	19.02.2018	Deliv.	0071227622/000010/0000			25.000,000-	75.000,000		MGPF

Firm Shipments in Shipping date 2/3

For **Deliveries**:

Shipping date = MD04 date = **Picking Date**

SAP Transaction **MD04** to check Stock/Requirements List

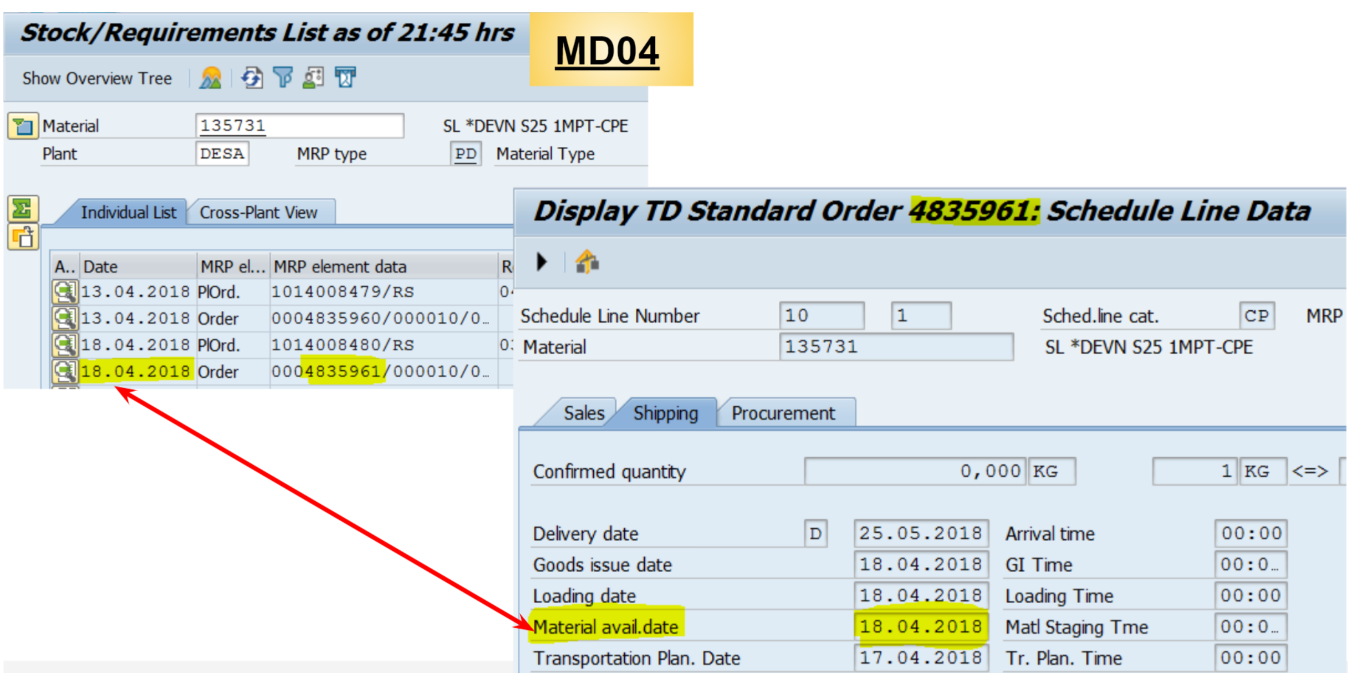


Firm Shipments in Shipping date 3/3

For **Sales Order** :

Shipping date = MD04 date = **Material Availability Date**

SAP Transaction **MD04** to check Stock/Requirements List

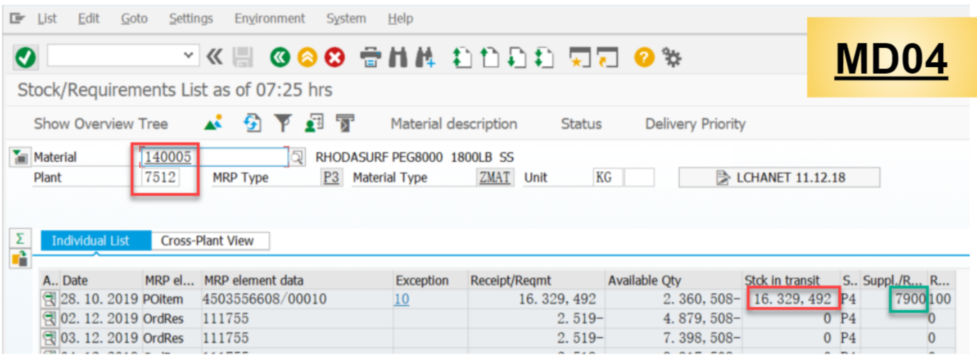


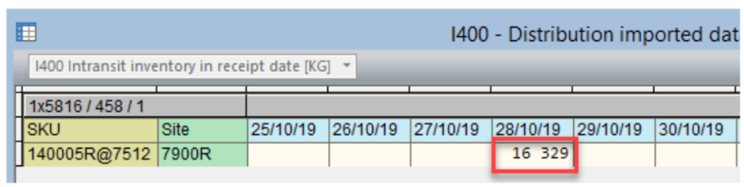
Intransit inventory in receipt date

We have 2 types of flows.

<u>1/ standard flow with link between the 2 Plants (shipping and receiving): We will have only one Purchase Order</u>

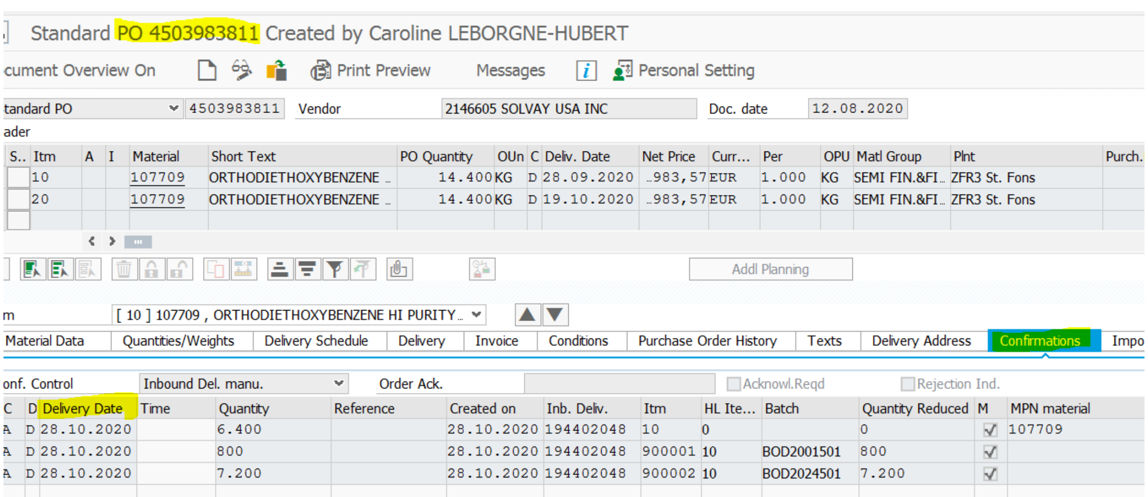
SAP Transaction **MD04** to check Stock/Requirements List please check the Individual List tab



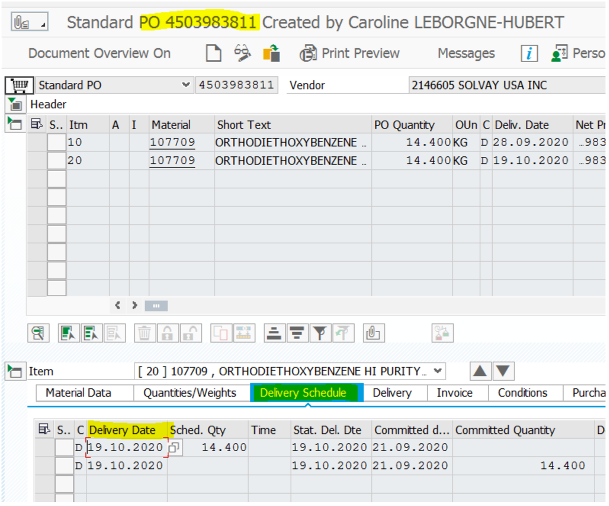


We take the Date and Qty from the PO:

- If there are some confirmations, we take it as first



- If no confirmation, we take the ones from the Schedule

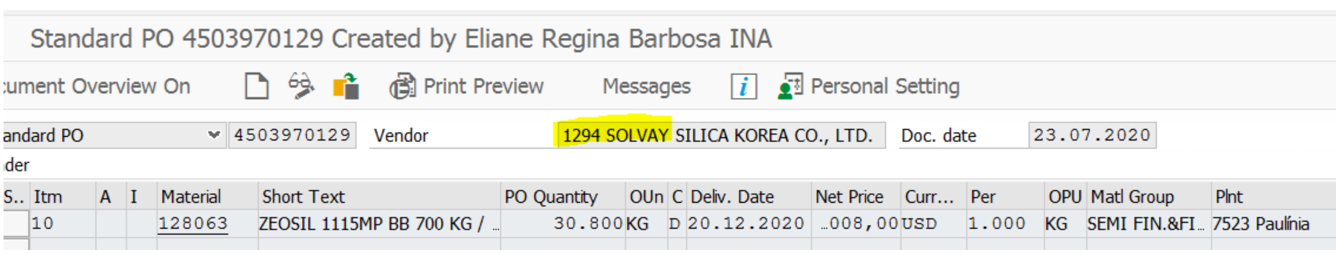


2/ Not standard flow with unlinked Purchase Order and Sales Order

For this kind of flow, we need a Matrix in SAP BW updated => "ZMATVENDOR".

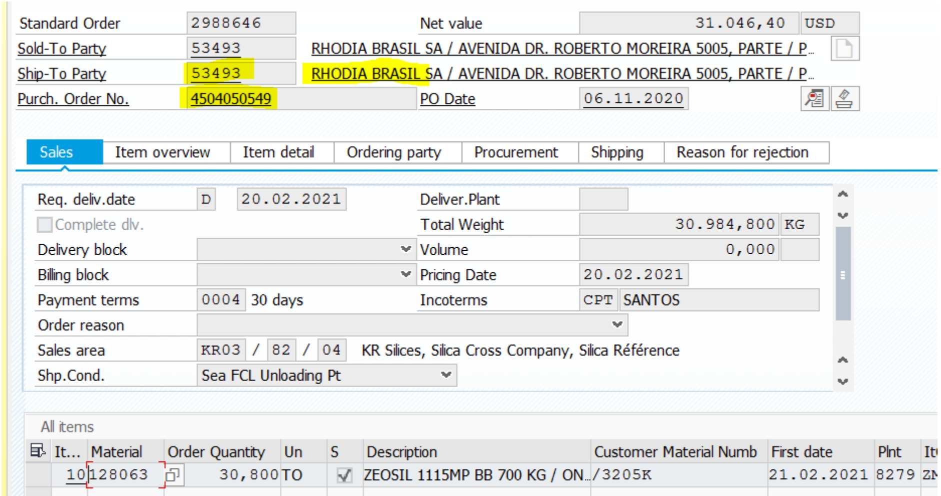
SAP process vs DynaSys data:

- The receiving site is placing a Purchase order in SAP with a Solvay Vendor code - At this stage we have nothing in DynaSys but we can display this information as "Internal Purchase Order".



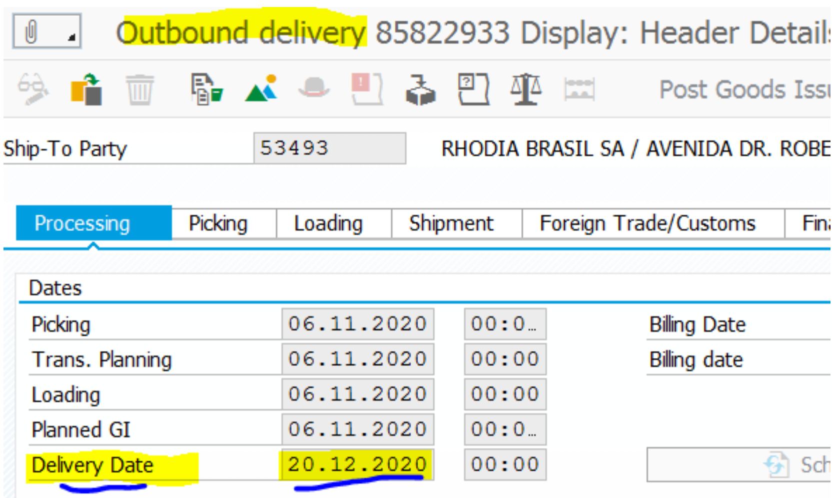
- The Shipping site will create a Sales Order in SAP once they received the PO with a Solvay customer code - At this stage we have data under "Firm Shipment" field

=> It is relevant to have Sales Order created regularly in SAP



- The shipping site will make the GI - At this stage the Firm Shipment is becoming an In-Transit

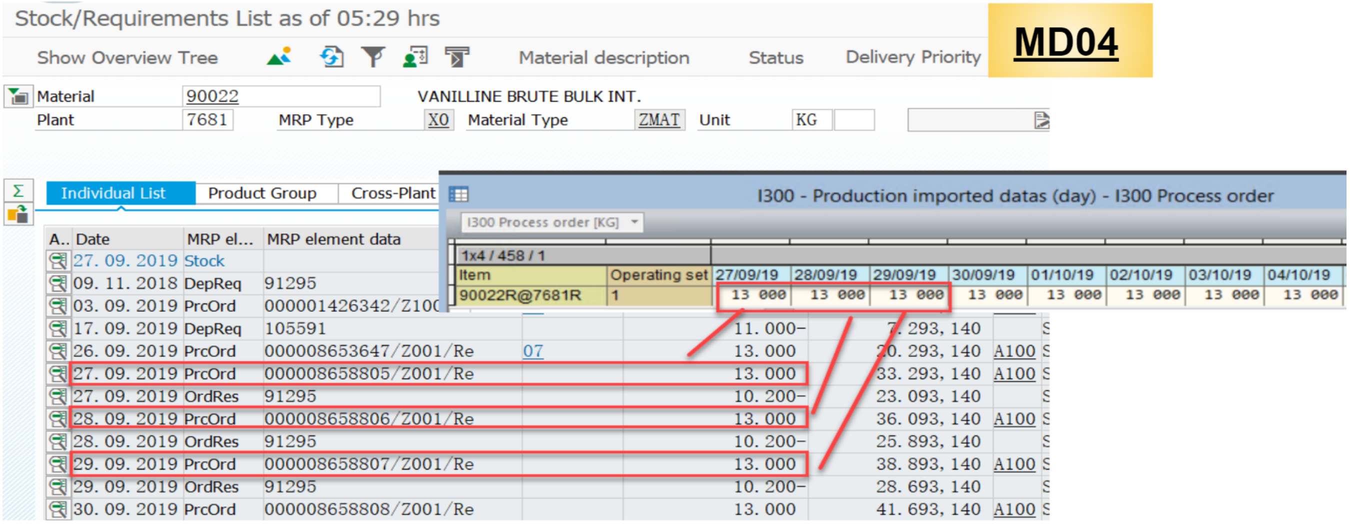
=> We take the Outbound Delivery to define the In Transit receipt date in Dynasys



- In Dynasys we do not check the Goods Receipt:
  - If delivery date is past but PO still opened- we will see the data in Dyansys as Actuals Receipt
  - If delivery date is on the future, but PO received - we will see the data in Dyansys as In Transit

Process Orders

SAP Transaction **MD04** to check Stock/Requirements List please check the Individual List tab



We **also** take **Firmed planned orders** as input for the Datafield “Process order” in DynaSys

Sales order book in ETA

SAP Transaction **MD04** to check Stock/Requirements List please check the Individual List tab