MM MRP Planning

Analysis of Release Performance MM (/n/WSWN/SPEEDI_T039)

Automotive suppliers need to follow the increasing flexibility which OEM’s ask. The SAP elements of the „normal“ MRP controller are not the customer SD Scheduling Agreements but our call-off’s to our suppliers (=MM Scheduling Lines). The a.m. transaction from software supplier WSW gives the MRP controller the chance to detect certain fluctuations in our call-offs. A „good“ MRP controller knows proactively when she/ he has changed its call-off in a certain range before the supplier will response. Hence the MRP controller is prepared for escalation talks and concentrate in getting the parts even the call-off fluctuation was not caused by her/ him.

Another use case are analysis after a shortage occured to negotiate certain costs to be burden by the supplier or by us (e.g. special transport costs, costs for additional shifts etc.).

The objective of this transaction is

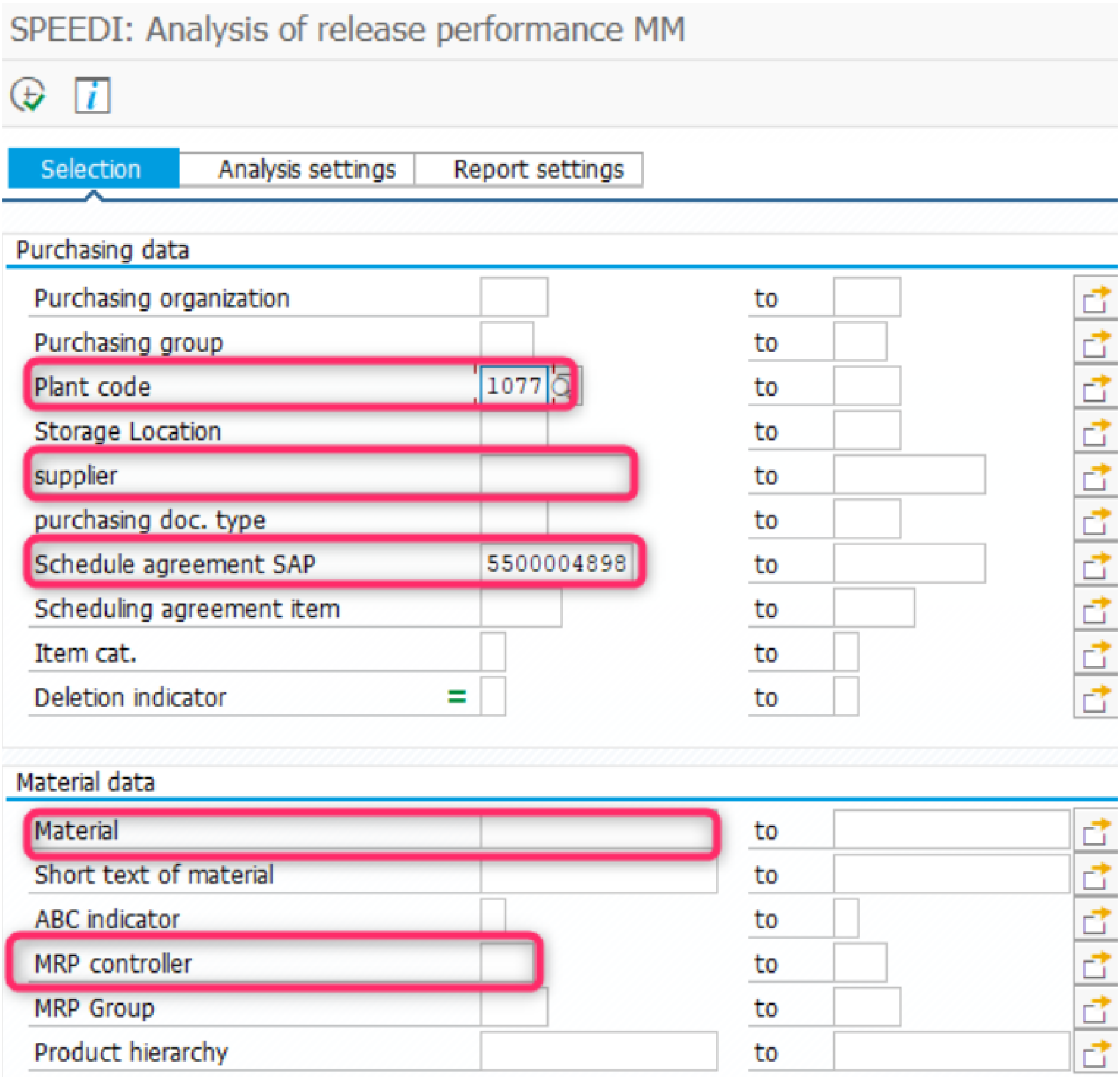
- Maximum flexibility during data selection, processing, and presentation
- Targeted search and access possibitlity to tolerance violations
- Quick detection of release order tendencies, also across longer time frames
- Practical result processing
- Time effort minimization

The result is a strategic and operative overview (long-term, medium-term, and short-term) of the release order situation in certain scheduling lines or per supplier.

The newly gained transparency about the release order behavior provides a very good argumentation basis towards the vendor.

a) Selection options

The user has many parameters how to select certain MM-scheduling lines:



b) Comparison settings

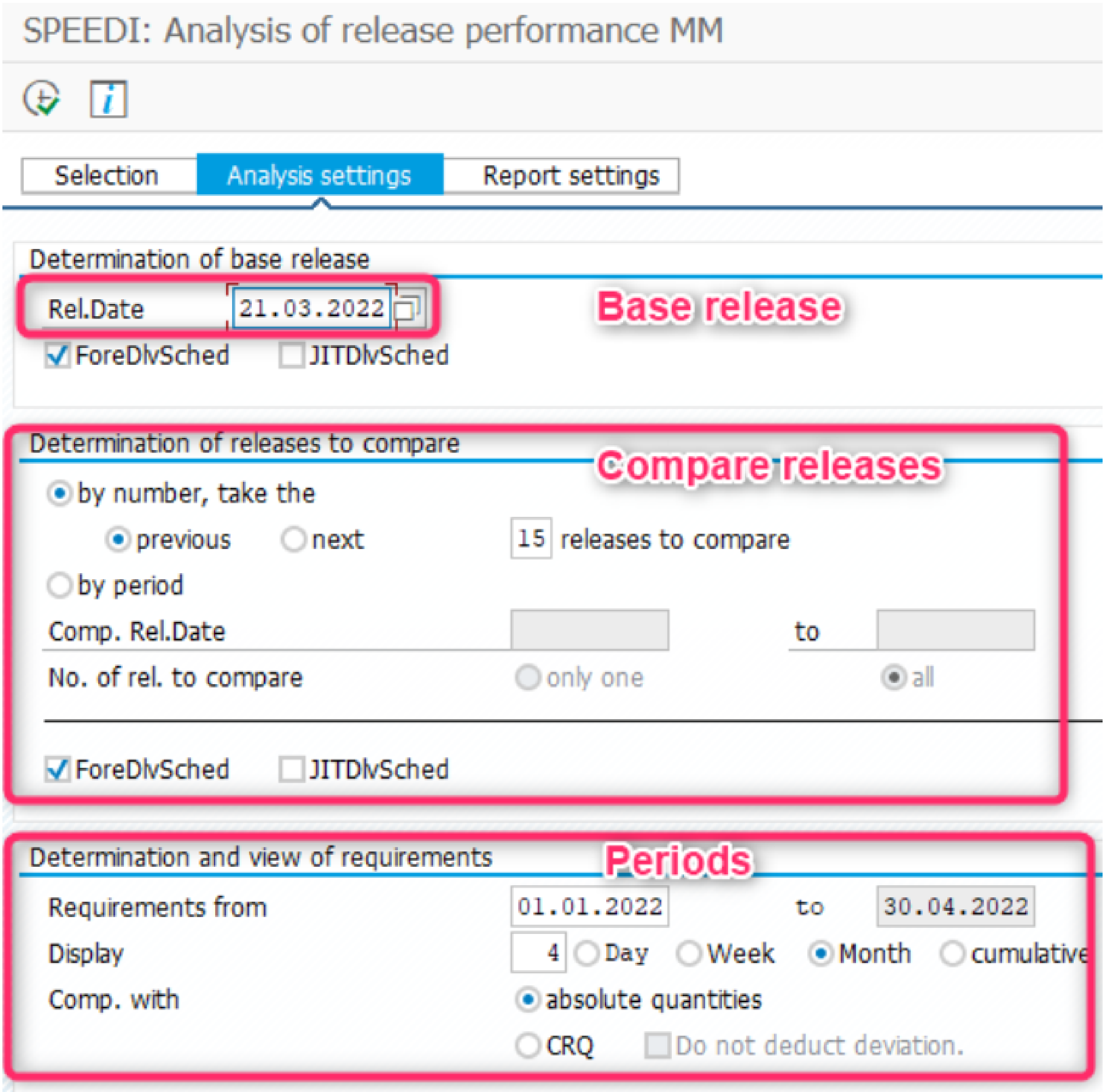
You also can use F1-help, e.g. for the determination of the base release:

The **base release** is determined based on the date entered in the field „Release date“. If there is no release with exactly this release date, then a search is done „backwards“ into the past until a release is found. The later visualization as well as calculation of differences and percentage values is basically realized in comparison of the **„basis release order“**.

Next you **determine the qty. of releases** which you like to compare to the base one. The selection options are quite flexible depending on you need of analysis. In this example the previous 15 releases being selected.

The final setting „**Requirements determination and display**" determines which periods/ horizon you like to compare. In our example the call-offs for the period 01.01.2022 until 30.04.2022. The requirements are outputted as absolute quantities or as the respective input cumulative quantities (CRQ=FZ). For further details refer to F1-Help.

The usage of traffic lights will be explained in chapter 1.4 below.



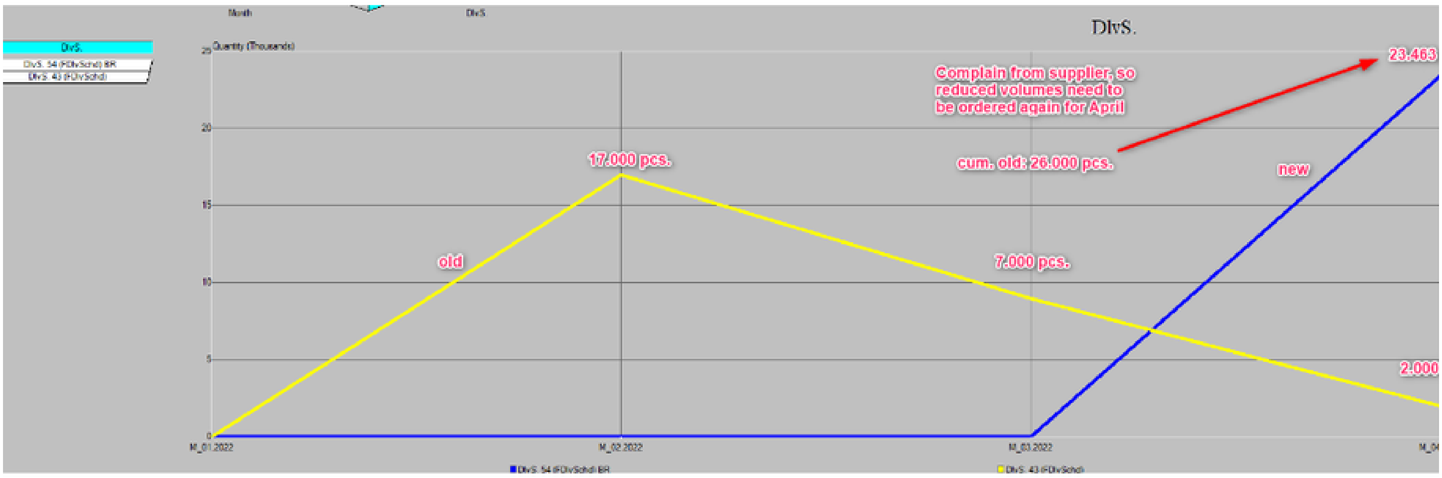
c) Program output

First you receive the **„Overview list“** with certain „KPI“ values to be displayed for your selection. For details how the values being caculated refer to F1-help.

More important are the Details which you can open by the icon **„Details**“. A detailed result per release order / period can be reviewed:

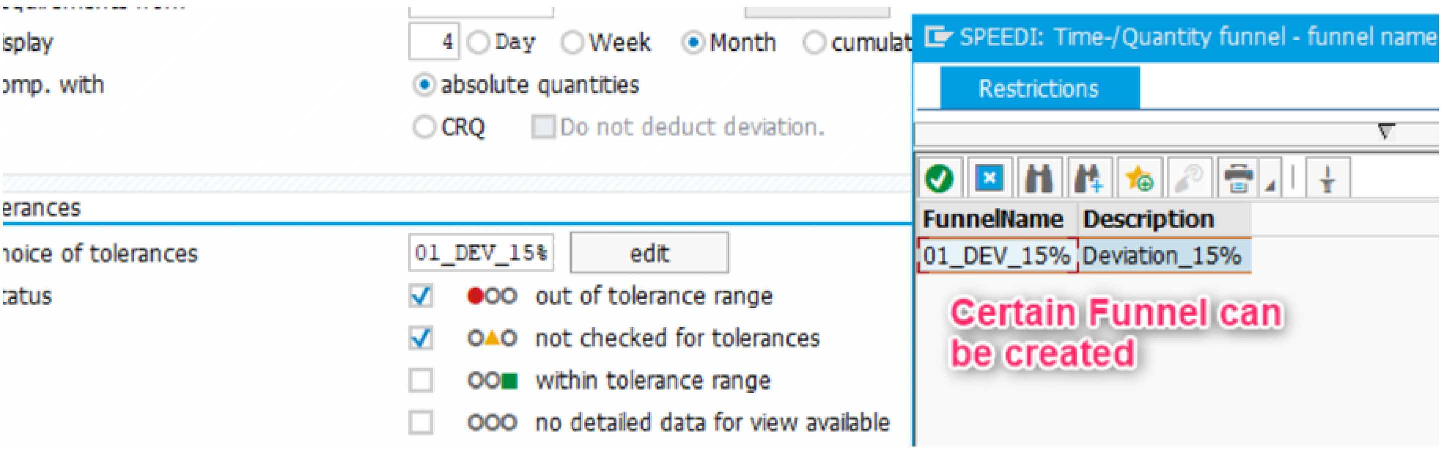
In our example with release 43 dated 09.02.2022 we still ordered 17.000 pcs. which we have reduced to 0 in our base call-off No. 54 dated 21.03.2022:

A good option is when you click the „Show graph“. In our example we could see that we have reduced our call-off by approxm. 26.000 pcs. Then our supplier rejected such a volume drop and we had to order them again and placed approx. 23.500 pcs. for April again:

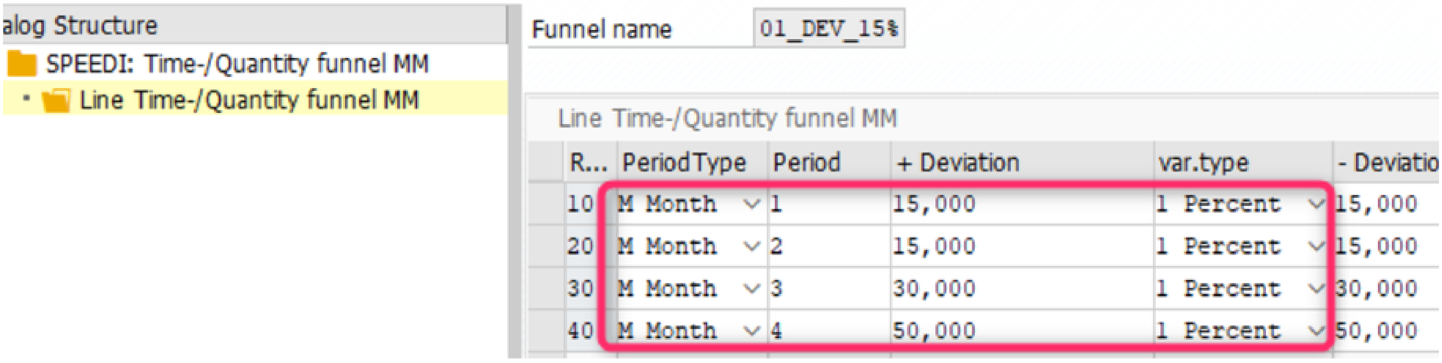


d) Tolerances

If the MRP controller runs daily the transaction for its respective materials an Alerting via Traffic Lights needs to be set to focus on the exceptions. Here the SPEEDI Time / Quantity Filter with individual tolerance settings needs to be set.



In the 2nd layer „Line Time-/ Quantity funnel MM" the traffic lights can be set based on Period, +/- Deviation and var. types (e.g. qty. percentage or values).



Further funnels will be set together with certain key MRP controllers.

e) Training video

Bulk material (GER Schüttgut)

Normally components being consumed by backflushing (GER retrograde Verbrauchsbuchung). For auxiliary materials or consumables it sometimes makes sense to use the SAP logic **Bulk material (GER Schüttgut)**.

Here the consumption being done by a manual warehouse task (GER Lageraufgabe) to destination storage bin 4500-001 (DPL), 4500-002 (EKB) & 4500-001/ 4510-001/ 4520-001 (TEM) which leads to a immediate consumption booking:

The respective production area needs to inform the warehouse manually that the material should be supplied to line (e.g. via manual KANBAN-two box logic).

Settings

- Set tick in MM03 for auxiliary material or consumable

- The settings of BOM for the semi-finished materials have to have following setting in the position

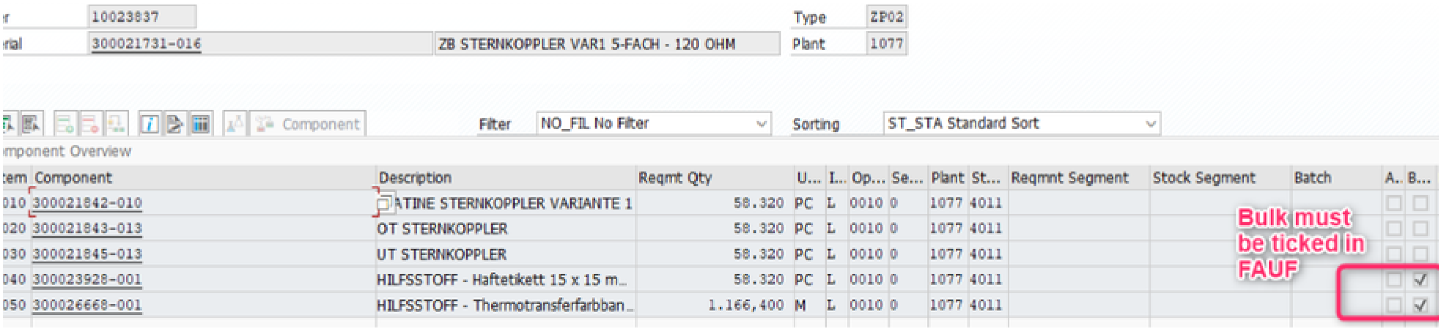
- Warehousing has to be informed as well since certain settings to be done in EWM

- No reservations being created so the orders need to be done manually. Here experience is necessary since the replenishment time and the consumption booking are not in sync so continous check and balance is necessary. It is recommended to even maintain a safety buffer

For application use following form:

Remarks

In case you need to change back, please note that existing production orders have to be set to TECO (GER Technisch abgeschlossen) as well closed in MES, so the bulk material indicator can be set again. Please inform Warehousing so the open Warehouse tasks can be closed as well. Then create new production orders. Please run afterwards an MRP with Planning Mode „3 Delete and Recrete Planning Data" so also the Planned Orders being refreshed.

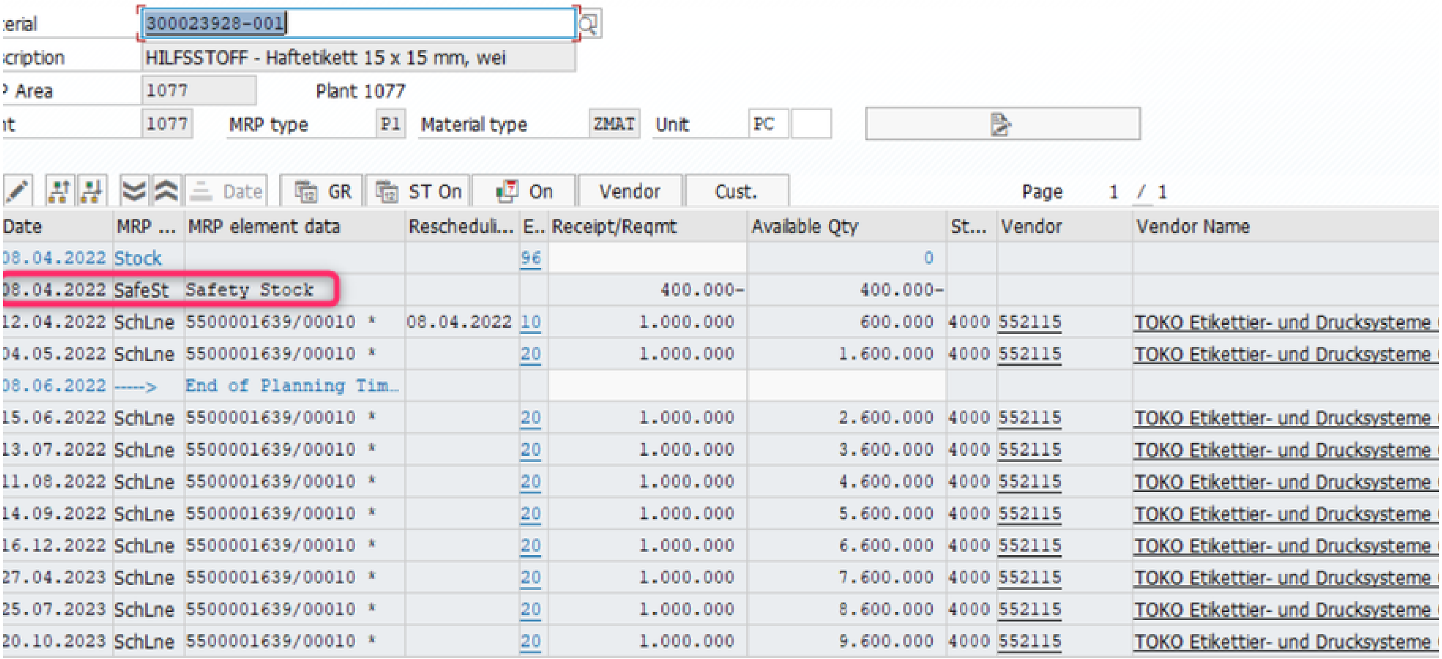


r 10023837 Type ZP02
rial 300021731-016 ZB STERNKOPPLER VAR1 5-FACH - 120 OHM Plant 1077

Component Filter NO_FIL No Filter Sorting ST_STA Standard Sort

mponent Overview

tem	Component	Description	Reqmt Qty	U...	I..	Op...	Se...	Plant	St...	Reqmnt Segment	Stock Segment	Batch	A..	B...
010	300021842-010	ATINE STERNKOPPLER VARIANTE 1	58.320	PC	L	0010	0	1077	4011					
020	300021843-013	OT STERNKOPPLER	58.320	PC	L	0010	0	1077	4011					
030	300021845-013	UT STERNKOPPLER	58.320	PC	L	0010	0	1077	4011					
040	300023928-001	HILFSSTOFF - Haftetikett 15 x 15 m...	58.320	PC	L	0010	0	1077	4011					✓
050	300026668-001	HILFSSTOFF - Thermotransferfarbban...	1.166,400	M	L	0010	0	1077	4011					✓

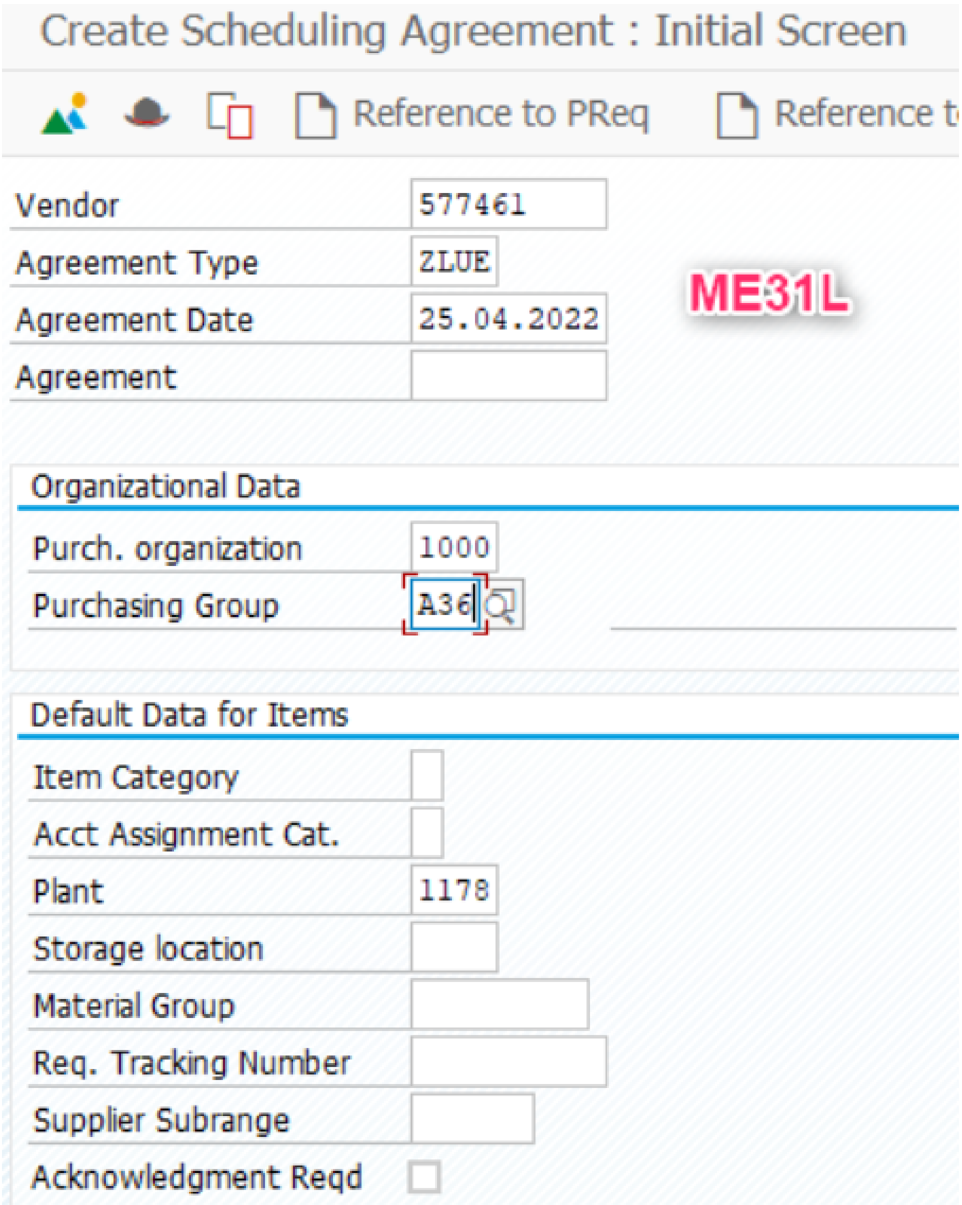


Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	St...	Vendor	Vendor Name
08.04.2022	Stock			96		0			
08.04.2022	SafeSt	Safety Stock			400.000-	400.000-			
12.04.2022	SchLne	5500001639/00010 *	08.04.2022	10	1.000.000	600.000	4000	552115	TOKO Etikettier- und Drucksysteme
04.05.2022	SchLne	5500001639/00010 *		20	1.000.000	1.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
08.06.2022	----->	End of Planning Tim…							
15.06.2022	SchLne	5500001639/00010 *		20	1.000.000	2.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
13.07.2022	SchLne	5500001639/00010 *		20	1.000.000	3.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
11.08.2022	SchLne	5500001639/00010 *		20	1.000.000	4.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
14.09.2022	SchLne	5500001639/00010 *		20	1.000.000	5.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
16.12.2022	SchLne	5500001639/00010 *		20	1.000.000	6.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
27.04.2023	SchLne	5500001639/00010 *		20	1.000.000	7.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
25.07.2023	SchLne	5500001639/00010 *		20	1.000.000	8.600.000	4000	552115	TOKO Etikettier- und Drucksysteme
20.10.2023	SchLne	5500001639/00010 *		20	1.000.000	9.600.000	4000	552115	TOKO Etikettier- und Drucksysteme

Establish MM-SA Release docu. for Intercompany ZLUE (SYNRE-1226)

MM-SA which were created by GAP-246 have automatically a release docu. for our 100% Intercompany MM-SA following setting needs to be established:

- Create new MM-SA with Agreement Type ZLUE:



- Then go via button „Details“ and set „Creation Profile“ to „0001“:

- Do not forget to delete open demand in old MM-SA 5500005954 (Zero-Call-Off)
- Then run MRP MD01N:

- Automated history of call-off will done once a week
- In case you like to create a manual call-off for historic reason, pls. use ME38 + F6 and then select as printer LP01

- Then Save and you will see the History:

- In addition, pls. check if the Shp.Cond. is set to „02“ and respectively the „Route“ which comes from Business Partner (BP):

Training Video

Usage of Product Group (table PGMI) (e.g. to deviate Pre-Series with Series Materials) SYNRE-1150

In the daily business Material Planner or Production Planner needs to distinguish materials, e.g.

- To distinguish Pre-Series against Series materials
- Select special products like Co-Products (GER Kuppelprodukte)
- To distinguish materials under allocation

The SAP Standard as well DRX-DGT offers the usage of Product Groups

a) Create Product Group (MC84)

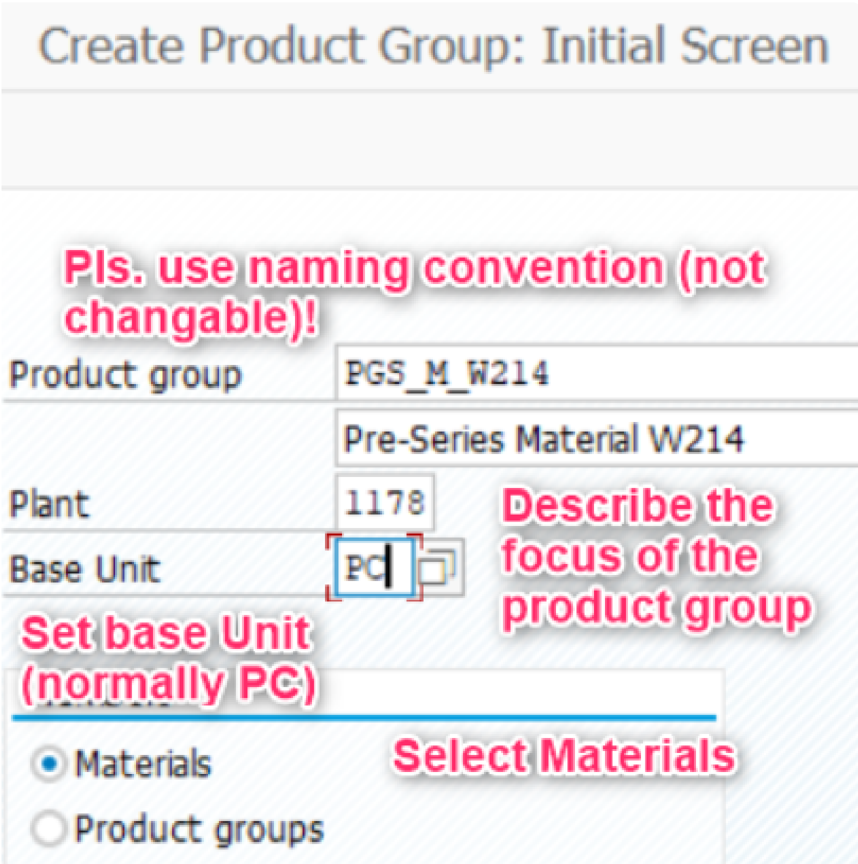
The naming of a product group is like the number of a material – it cannot be changed later. Therefore following naming convention must be followed:

- PGX_M_12 digits“ for product groups which contains materials
- „PGX_H_12 digits“ for product group which is a hierarchy level

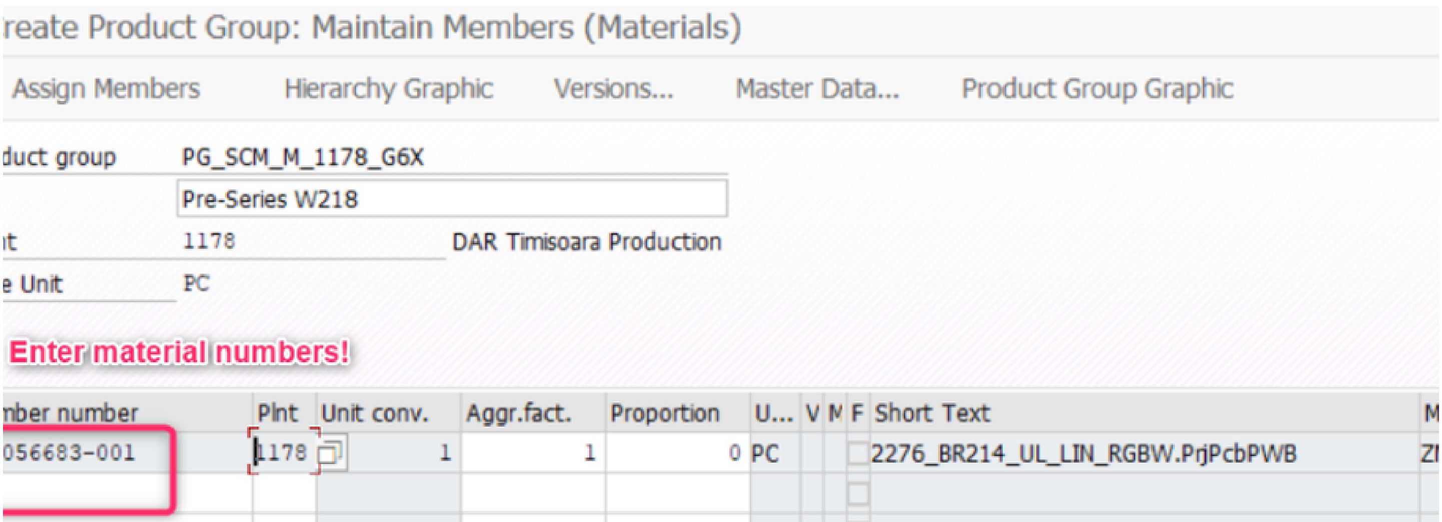
The X digit after the PG is according PDD nomenclature:

- P – product group packaging
- S – product group supply chain
- O – product group sales
- C – product group central purchasing

e.g. „PGS_M_12 digit" – product group supply chain_materials_12 digits to be completed

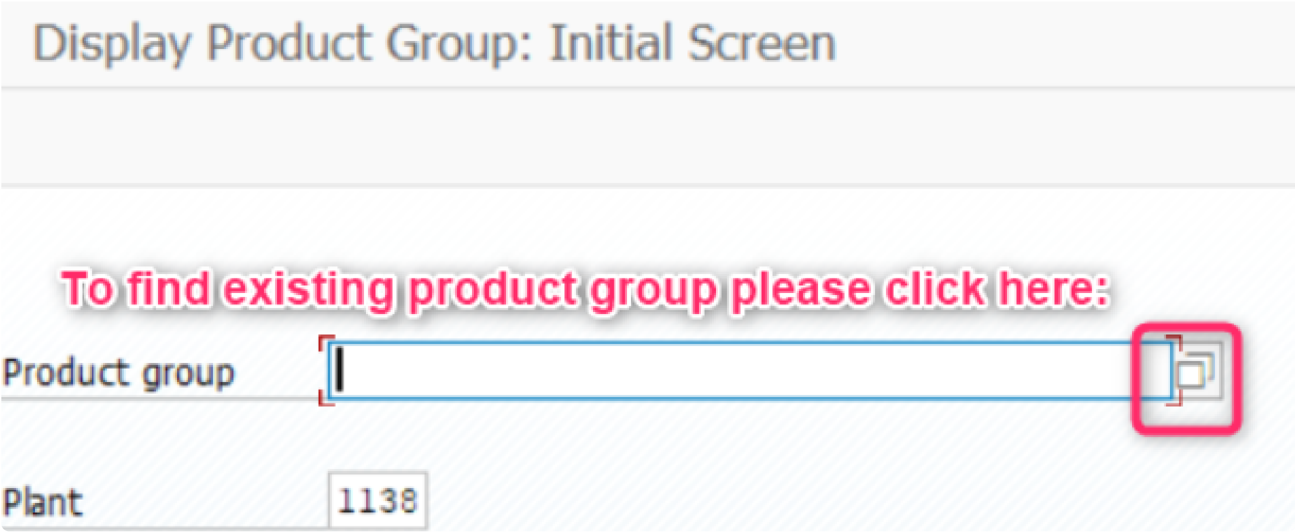


Then enter the relevant materials:



b) Display Product Group (MC85)

To find existing Product Groups please click here:



Then click the green button and then the result list appears:

c) Change Materials inside Product Group (MC86)

You either can add more materials or delete members in case the material becomes obsolete via the „Delete Member" button:

d) Usage in certain transactions

- Stock/ Requirements List: MD07

Training Video

Handling of Expiry Dates

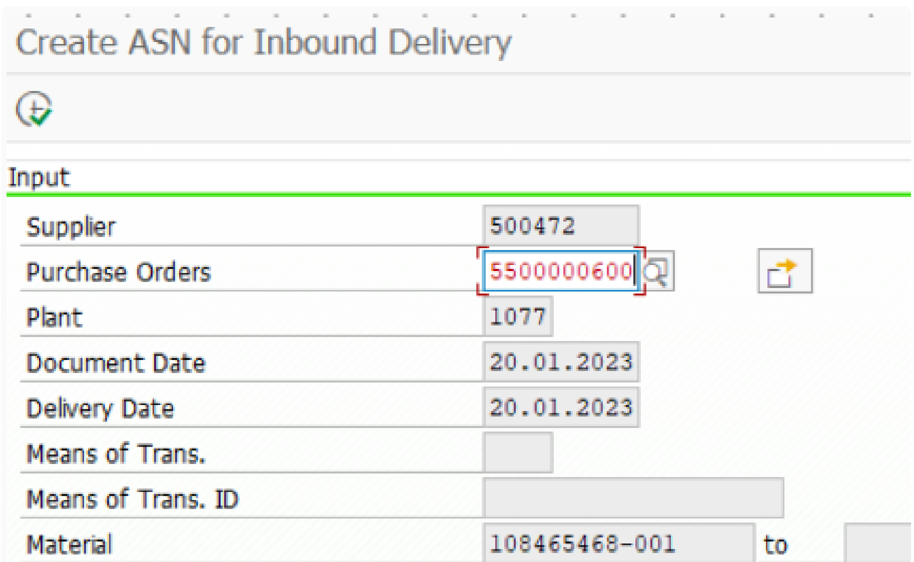
With BGL1 1.3 HUN March 2023 a new MDG Variant 17 is applicable where a material can be set with expiry dates. This will be appliable **plant-independent.**

Go to Basic Data "Details":

Set Data as follows: **Case 1 "not retrievable from label on material but from Technical Data Sheet"** , e.g. 108465468-001 --> min. 18 months or 540 calendar days

After the CR being released no further workstep applicable so MM03 is directly being updated:

After Receiving the Goods, the GR worker creates manual the ASN via ZMM_Create_ASN:



User must set manual a date in the field "Production Date" which might be the date of GR in case production day is missing:

: 1077
ument Date: 23.01.2023
ery Date: 23.01.2023

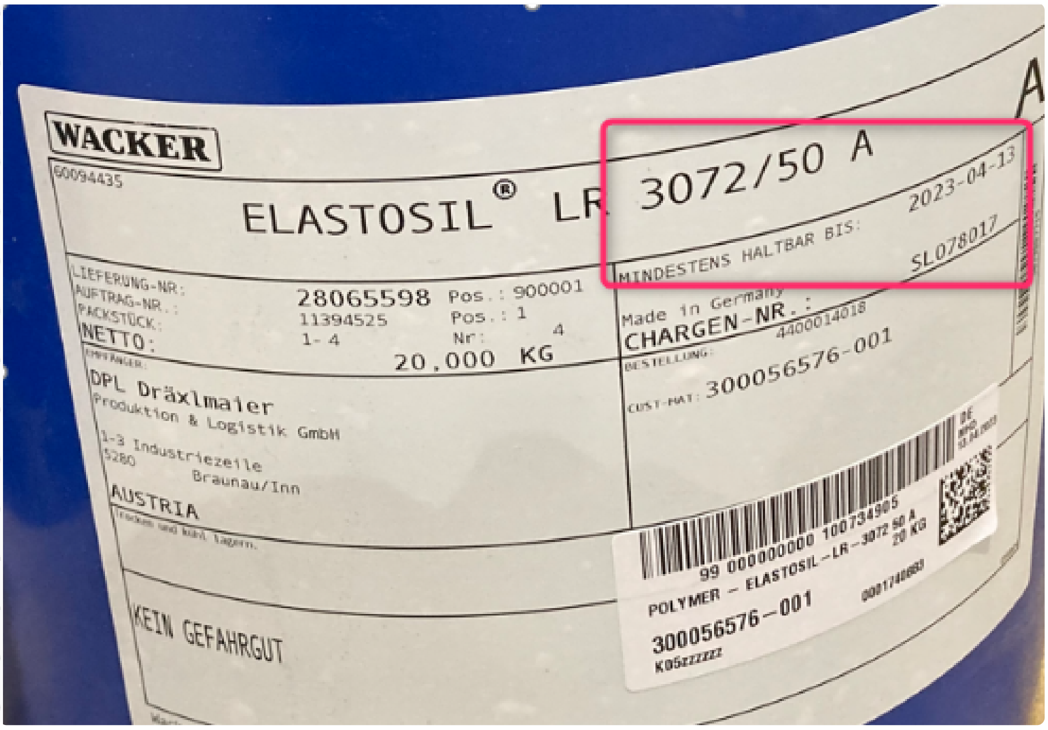
System automatically calculates the 540 CD in future

Enter today's G date

Select All

tem	Acc Cat	Material Number	Material Description	External ID	Country	Quantity	UoM	Vendor Batch	Stg.Lc	Gross. Wt.	SLED/BBD	Production Date
10		108465468-001	HILFSSTOFF - LACK - Schutzlack - SL1307	230123		300	KG		4000	1.000,000	16.07.2024	23.01.2023

Set Data as follows: **Case 2 "expiry date is on the label of the Good"** , e.g. 300056577-001 --> e.g. min. shelf-life until 2023-04-13



Setting via MDG Variant 17:

helf Life Data

Minimum Remaining Shelf Life: 1

Total Shelf Life: 1

Alert will pop-up during ASN creation ZMM_Create_ASN:

Now the worker set the expiry date 2023.04.13 in the field **"SLED/BBD".** When the ASN being created the expiry date can be seen in the MSC3N:

RUN regularly the **MB5M Shelf Life List** to detect potential expired materials to either:

- produce/ use up before
- get Quality Release

__Note:__ Expired material in EWM storage locations (starting with 4 like 4010) will automatically booked under restricted use, so MRP will order new material. This should be avoided or at least known by material planner

Training Video:

How to use Expiry Dates-20230126_141640-Besprechungsau...

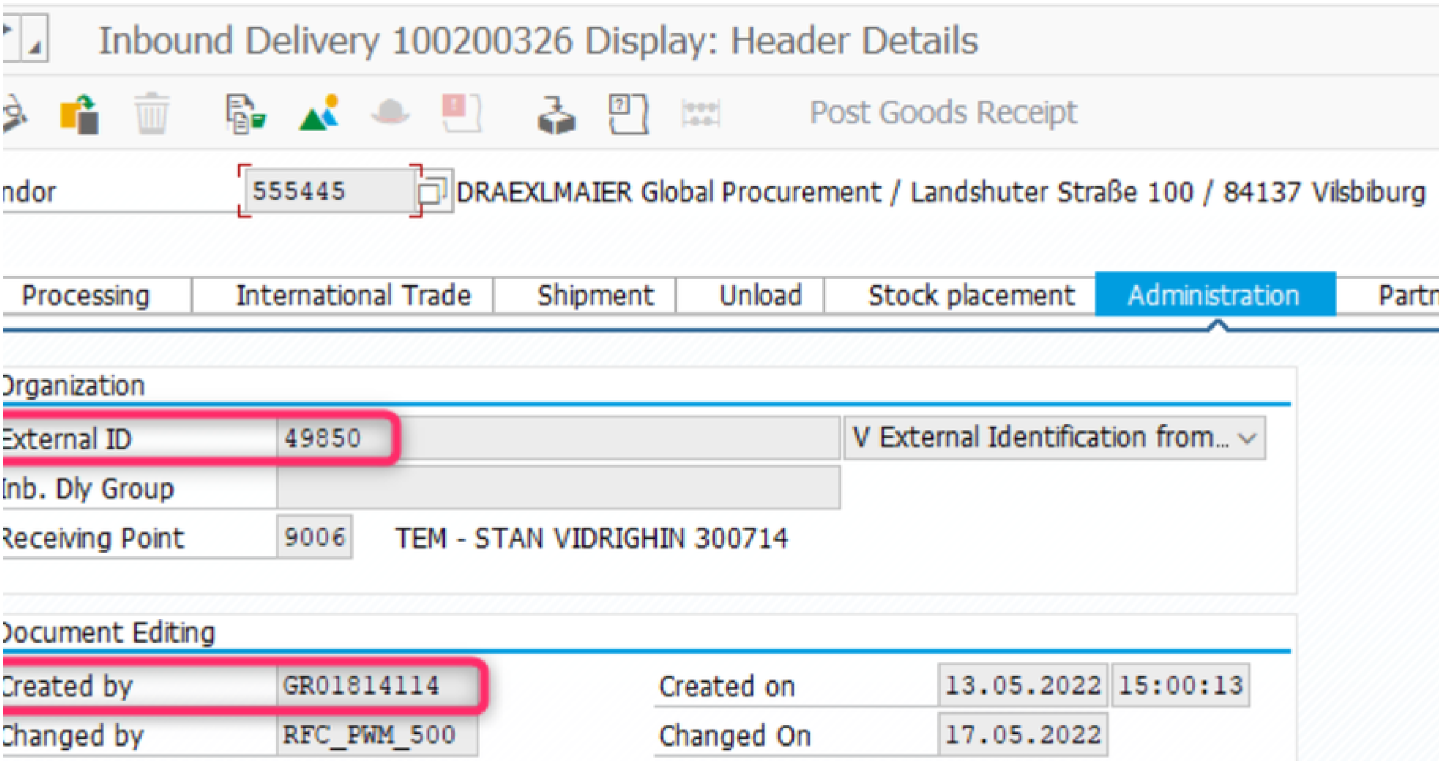
Invoice Correction „Black“ delivery ex X-Dock to Production Plant

In urgent cases or accidently material could be loaded on the truck from X-Dock to the production plant. Here an example from May 2022 (Mat.no. 200567285-001) where material already being booked into production plant before material being processed in X-Dock (line-stop item):

...rial	Plant	SLoc	MvT	Movement Type Text	Vendor	Customer	S	Material Document	Item	Pstng Date	Qty in unit of entry	EUn	Amt.in Loc.Cur.	PO	Batch	M	Reference	Cost Center
...67285-001	1178	4000	101	GR goods receipt	555445			5000303150	1	16.05.2022	152.500	PC	10.319,68	5500005828	0001659931	B	0100200326	
...67285-001	1178	4000	101	GR goods receipt	555445			5000303160	1		297.500	PC	20.131,83	5500005828	0001659932	B	0100200327	
...67285-001	1138	1178	643	TF to cross company				4905083018	5	20.05.2022	297.500-	PC	3.985,91-	5500005828	0001659791	L	0500000770	
...67285-001	1178	4000	101	GR goods receipt	555445			5000311942	5	24.05.2022	297.500	PC	20.131,83	5500005828	0001659791	B	0100201784	
...67285-001	1138	1178	101	GR goods receipt	000050K874			5000313521	1	25.05.2022	152.500	PC	2.043,20	5500005868	0001666872	B	0100202569	
											602.500	PC						

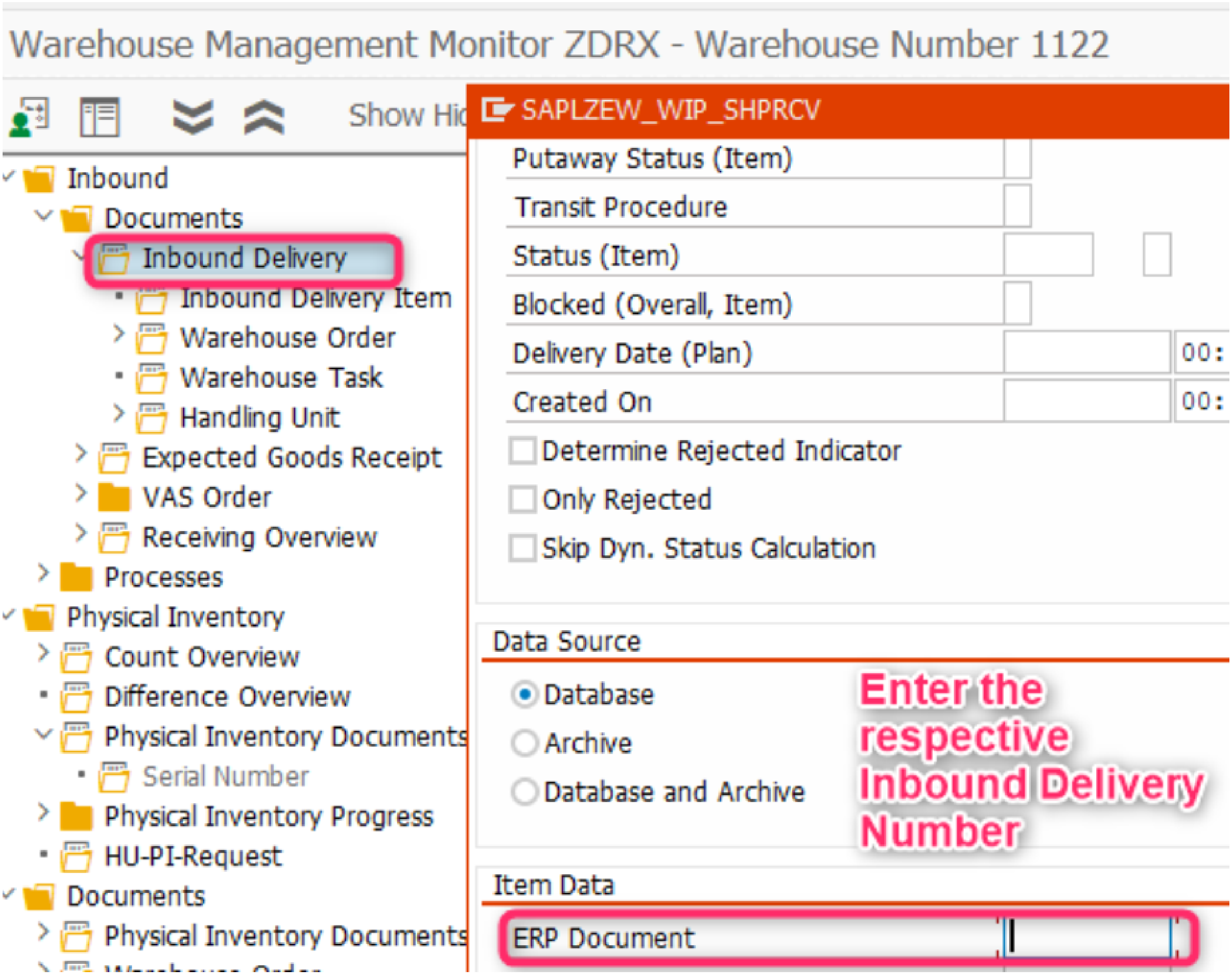
TEM receives before X-Dock

Since no „official“ ASN/ Delivery Note from X-Dock 1138 could be created the worker @TEM had to book it manually with a Dummy D/N:



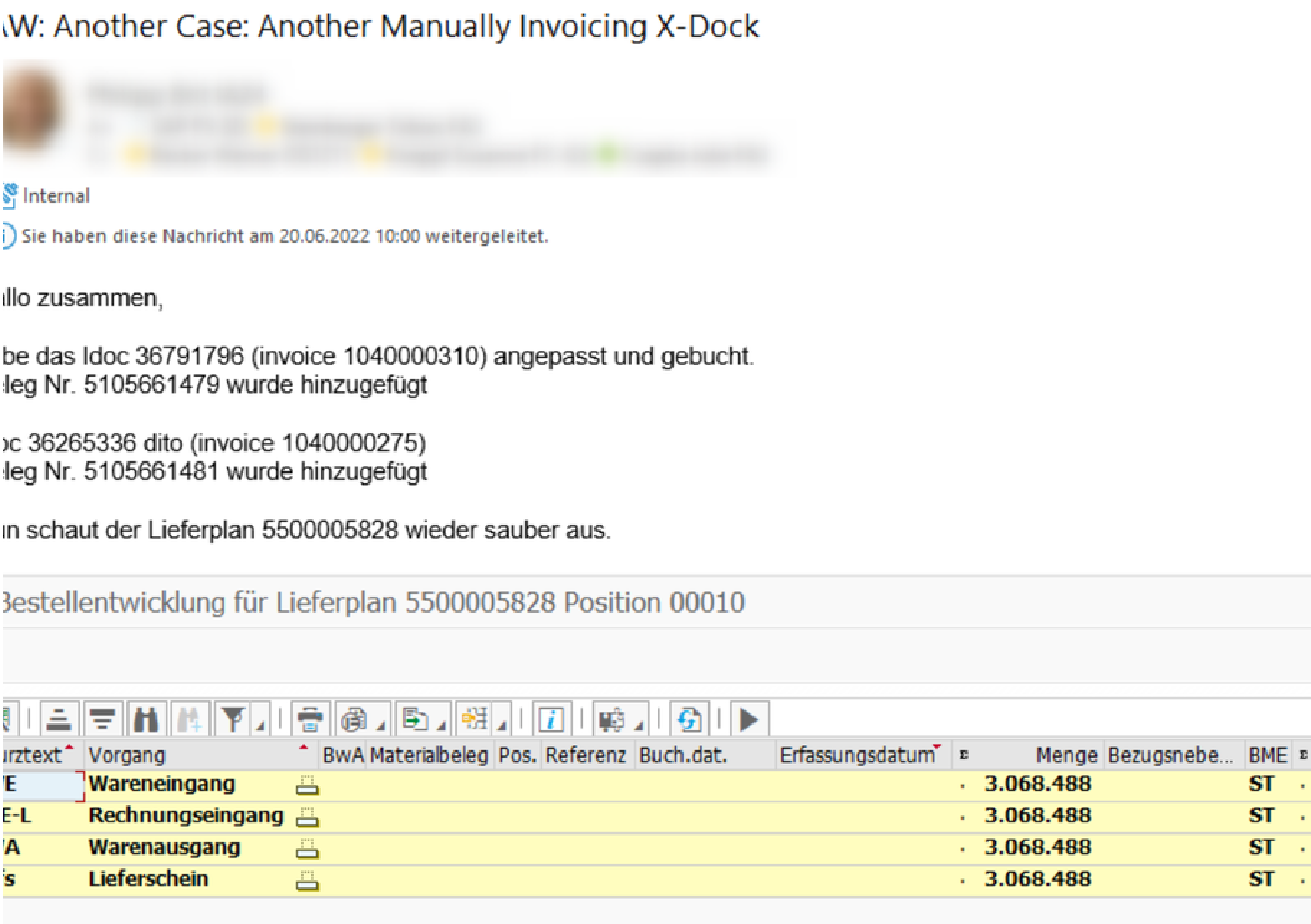
Consequently the later X-Dock processing will cause following major problems:

- A new ASN/ Delivery Note will be created when X-Dock makes its „official“ booking –> ASN/ Inbound Delivery in 1178 must be manually deleted:



- X-Dock Invoice for the „deleted" ASN/ Inbound Delivery will fail since the GR Dummy 49850 does not fit to the „official" ASN/ Inbound Delivery (screenshot from another example how to check):

As you can see qty. are not in sync, especially „Rechnungseingang“ due to the failed idoc. In such cases Brit Philipp needs to be contacted so she can edit the idoc with the right GR ref.:



W: Another Case: Another Manually Invoicing X-Dock

Internal

Sie haben diese Nachricht am 20.06.2022 10:00 weitergeleitet.

llo zusammen,

be das Idoc 36791796 (invoice 1040000310) angepasst und gebucht.
leg Nr. 5105661479 wurde hinzugefügt

oc 36265336 dito (invoice 1040000275)
leg Nr. 5105661481 wurde hinzugefügt

n schaut der Lieferplan 5500005828 wieder sauber aus.

Bestellentwicklung für Lieferplan 5500005828 Position 00010

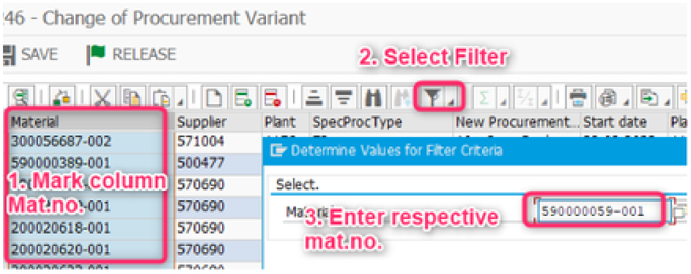
rztext	Vorgang	BwA	Materialbeleg	Pos.	Referenz	Buch.dat.	Erfassungsdatum	Menge	Bezugsnebe...	BME
E	Wareneingang							3.068.488		ST
E-L	Rechnungseingang							3.068.488		ST
A	Warenausgang							3.068.488		ST
s	Lieferschein							3.068.488		ST

Change of Supply Mode X-Dock to Direct or Direct to X-Dock

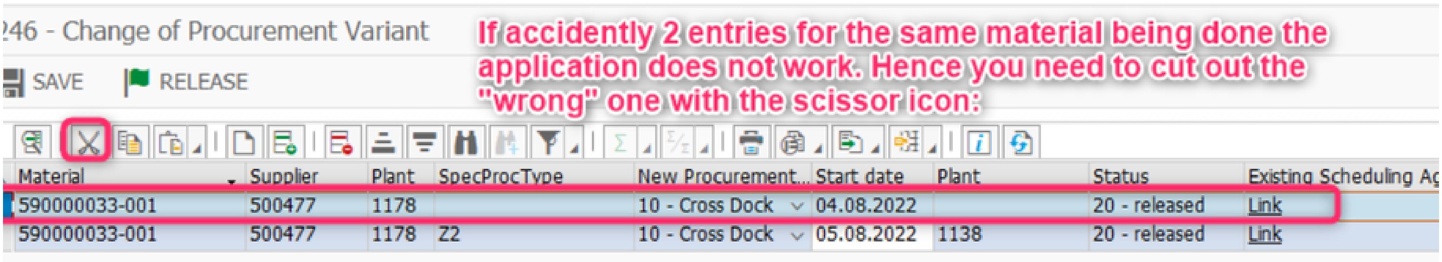
Please use below’s button to get to the right site „Transaction“ where the ZMM_246N_PROC_CHANGE being explained:

- **ZMM_246N_PROC_CHANGE**: When you create master data via MDG the first time the supply mode (e.g. direct supply or X-Dock via SOBSK) is being defined and GAP246 is running and creating Inforecord, MMSA and order book. Even you change later the SOBSK which drives the supply mode e.g. to SOBSK Z2 X-Dock 1178-1138 it will **not re-start the GAP246!!!** The correct way is to use this transaction which will now being explained:

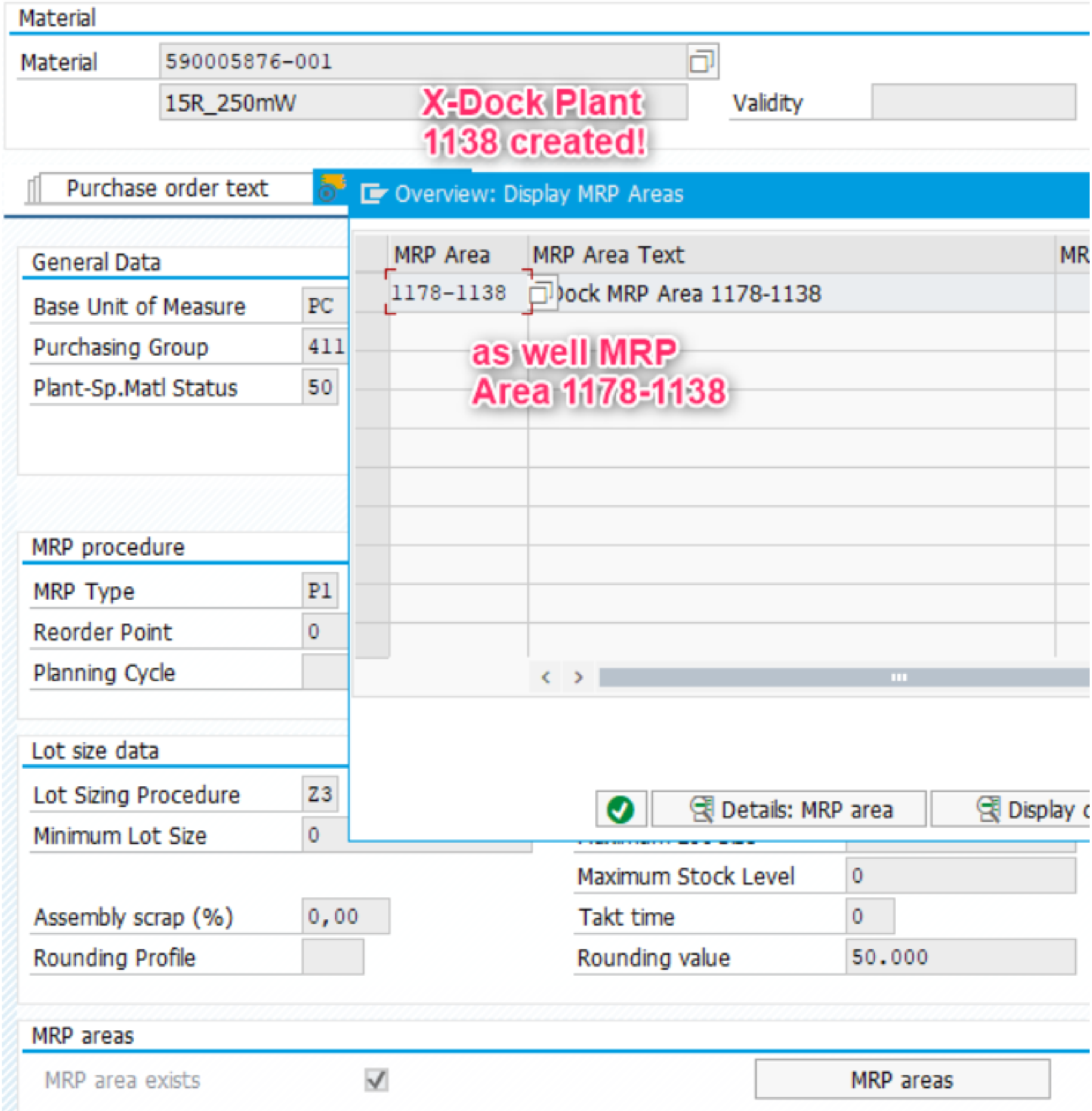
- Before inserting a new line check if a previous task is finished.



- 2 parallel released change tasks for one material is not allowed. In such case please delete the wrong one via the scissor icon:



- Before you start now pls. check if the plant 1138 and the MRP Area 1178-1138 is created via MDG before:



- Now you can make a new entry: There are two options a) Append Row Icon (Line will be created on the end):

- b) Insert Line Icon (Line wil be created on the top or below the marked line):

VARIANT CHANGE FROM CROSS DOCK TO 20-DIRECT

- Pls. select the data as follows:

EXPLANATION OF STATUS:

UPDATE MASTER DATA VIA MDG VARIANT 14

The transaction ZMM_246N_PROC_CHANGE is currently not correcting or updating several important MRP parameter as FXHOR, ROUNDING VALUE etc. Therefore it is necessary that after the transaction is excecuted that the MRP controller is checking the MD04 and makes updates:

- Is the PLANNING CALENDER correct?
- Should you run once the MRP with FXHOR 1 to create a clear first ok call-off and then increase the FXHOR again?
- Is the ROUNDING VALUE and/ or MINIMUM ORDER QTY. (MOQ) correct?

In addition, it is recommended to delete old not valid MMSA as well. Also check if you need to update the order book (ME01). Here the transaction **ME3M** helps:

Evaluated Receipt Settlement (ERS) (GER Gutschriftsverfahren)

In SYNRE-934 the future design for Supplier ERS being development.

1st step would be that with Business Partner MDG the certain setting is being done:

Then a automatism will set the relevant „tick“ in the contracts and via GAP-246 into the MMSA:

Unfortunately new MMSA need to be create hence the SYNRE-934 will enlage the transaction ZMM_246N_PROC_CHANGE. Further documentation will be added when application is Go-Live (planned Rel 1.3 May 2023).

Update MOQ or/ and Rounding Value

Following training video shows you have the MOQ or/and Rounding Value need to be updated especially under the condition of X-Dock plant and Firmzone (FXHOR)

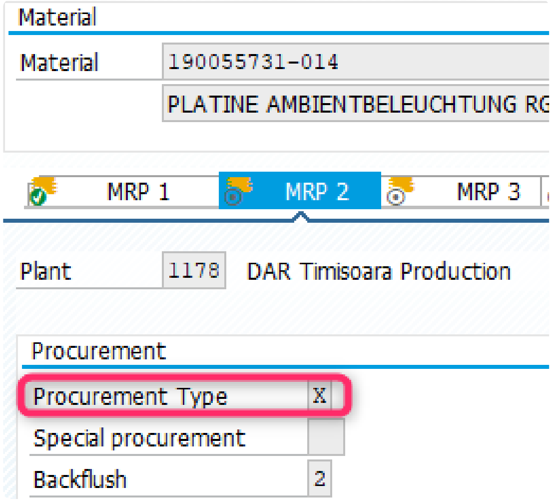
Training Video

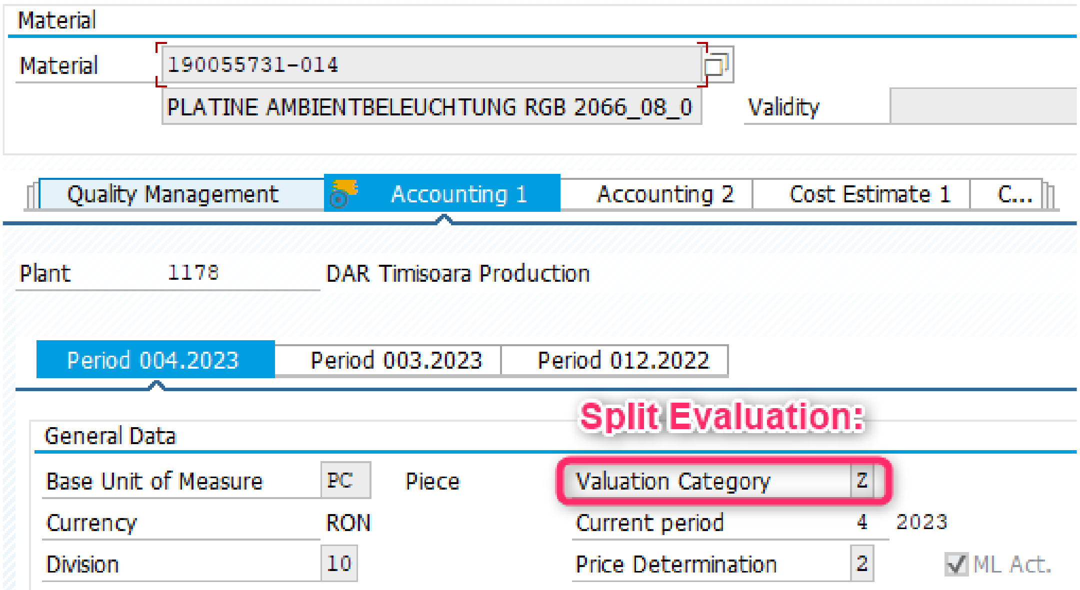
Split Evaluation (GER Bewertungsart)

In very seldom cases like MFA2 AMB Platine (190055731-014 plant 1178) we produce and buy the same material. Such a case must already being considered during first MDG workflow and it is strongly recommended to leave a note in the workflow or inform Controlling (Morar/ Hritcan) via Prio 1 MDG Teams Channel to maintain split evaluation F & E.

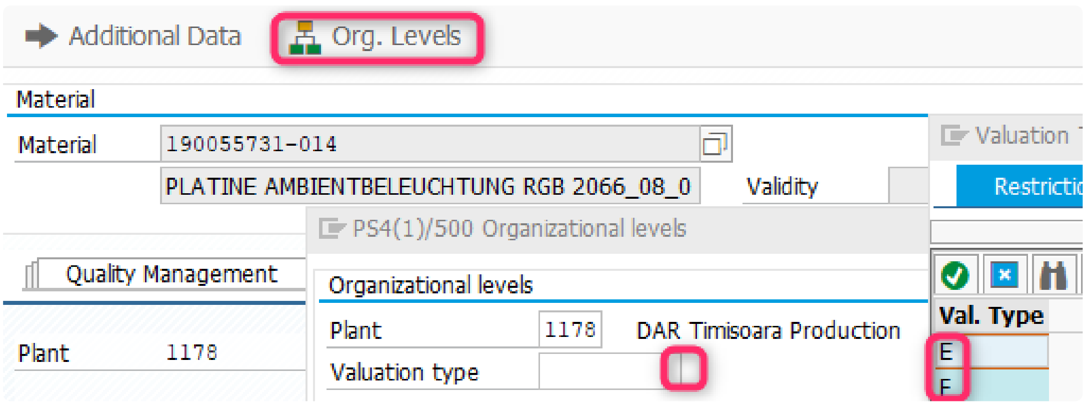
In addition, the procurement type must be a **real** "X".

Please note: A missing split evaluation cannot be adjusted in a later step when already booking occurred!

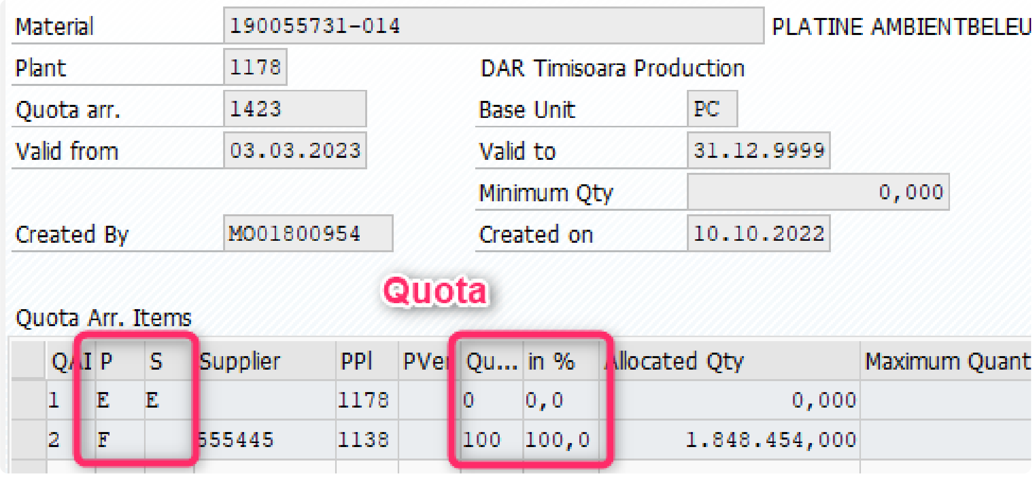




To see the values please select as follows:



Consequently, a Quota Arrangement needs to be maintained. In this example it was returned to 100% Buy part but before there was a quota for make and buy:



Further SAP elements needed: **Make** --> BOM (CS03) & BOP (CA03) & Production Version (C223)

Further SAP elements needed: **Buy** --> Contract (ME33K) & GAP-246 (MM-SA (ME33L)/ Order Book (ME03)/ Info Record (ME13)

Example: Sternkoppler

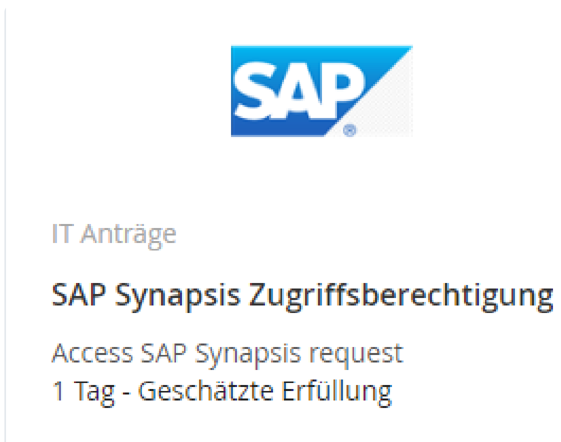
Support 1138 X-Dock VIB with VL10F

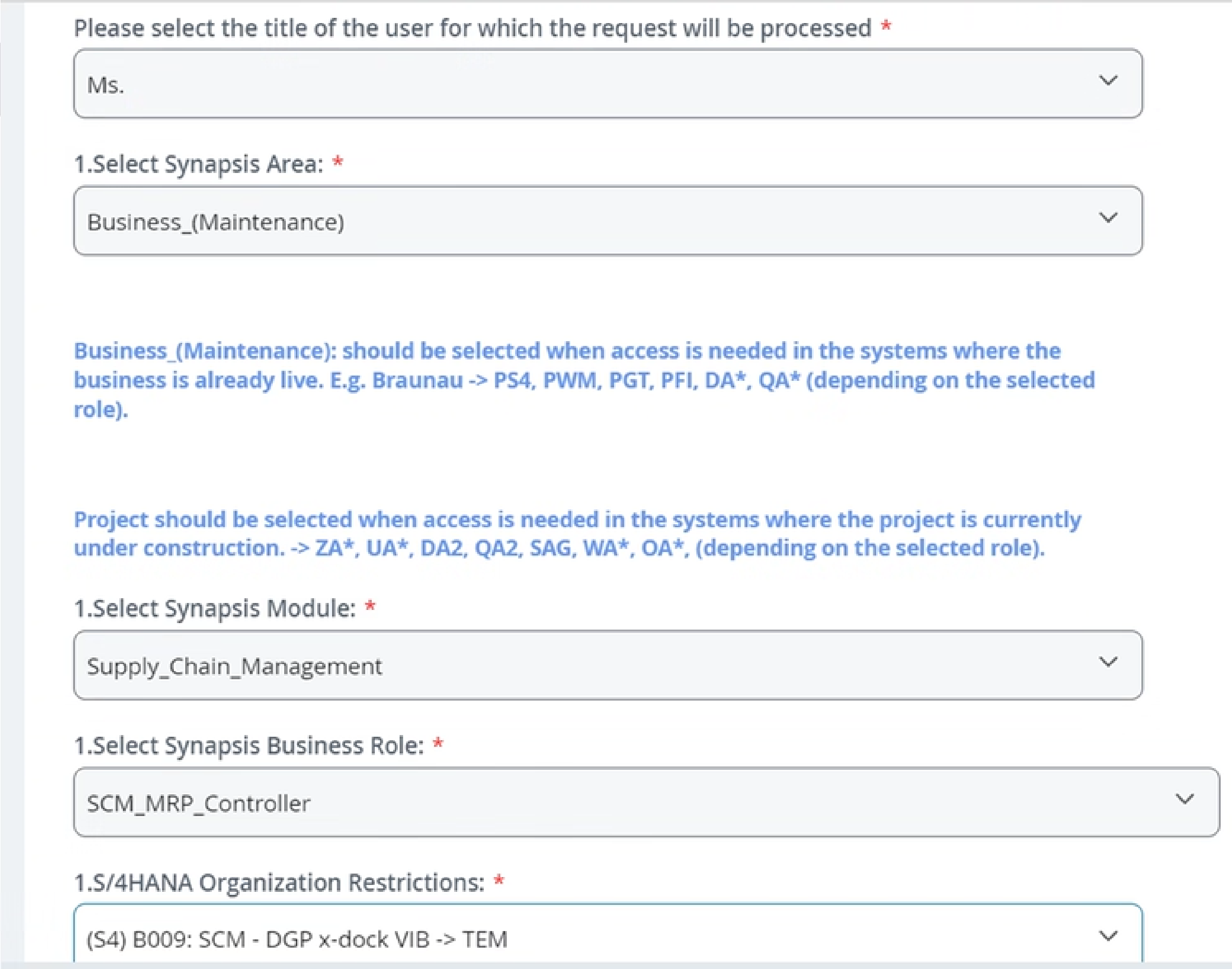
The business rule is that the plant 1138 X-Dock VIB (GER Warenverteilzentrum VIB) will ship all materials which was received being shipped out to the respective production plant like 1178 TEM & 1179 HUN.

The pre-condition is that open MM-Scheduling lines (ZLUE) exists independently from the date of delivery based on the rule MM-Scheduling Lines (ZLUE) >= stock @1138

Currently X-Dock workers write requests to the relevant MRP controllers to increase the Scheduling Lines. With following improvement this can be minimized.

1. Step Apply a new Role "SCM_MRP_Controller" in UnITe service catalogue "SAP Synapsis..."





Please select the title of the user for which the request will be processed *

Ms.

1.Select Synapsis Area: *

Business_(Maintenance)

Business_(Maintenance): should be selected when access is needed in the systems where the business is already live. E.g. Braunau -> PS4, PWM, PGT, PFI, DA*, QA* (depending on the selected role).

Project should be selected when access is needed in the systems where the project is currently under construction. -> ZA*, UA*, DA2, QA2, SAG, WA*, OA*, (depending on the selected role).

1.Select Synapsis Module: *

Supply_Chain_Management

1.Select Synapsis Business Role: *

SCM_MRP_Controller

1.S/4HANA Organization Restrictions: *

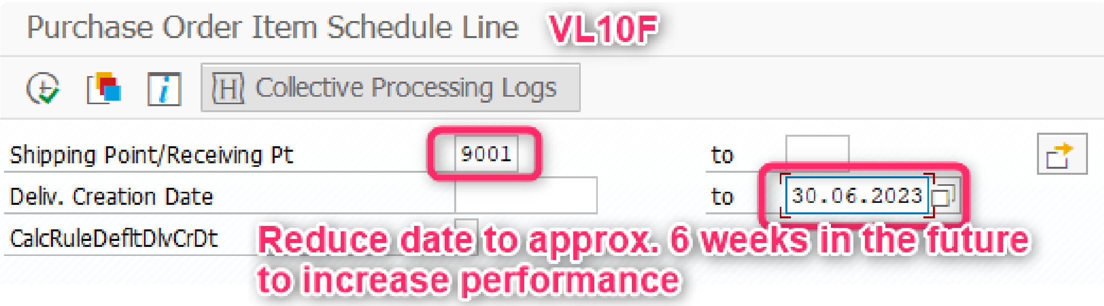
(S4) B009: SCM - DGP x-dock VIB -> TEM

MRP controllers 1178 TEM: Choose Organization Restrictions B009: SCM - DGP x-dock VIB --> TEM

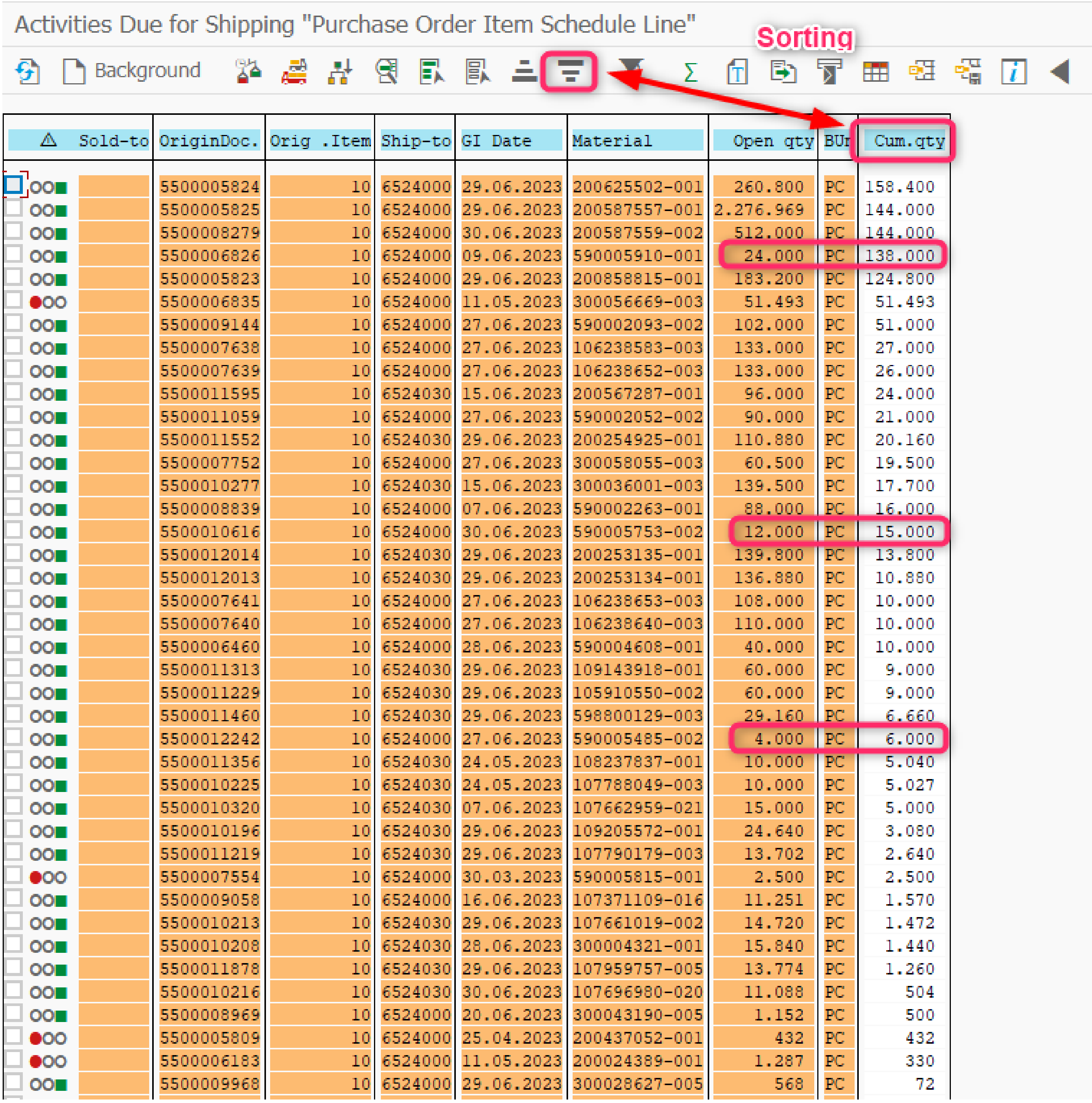
MRP controllers 1179 HUN: Choose Organization Restrictions B010: SCM - DGP x-dock VIB --> HUN

<u>2. Run in daily MRP routine the transaction VL10F</u>

Selection screen: Shipping Point 9001 for 1138 X-Dock



Then sort the column "Cum.qty" to see the materials with stock:



⚠	Sold-to	OriginDoc.	Orig .Item	Ship-to	GI Date	Material	Open qty	BUn	Cum.qty
		5500005824	10	6524000	29.06.2023	200625502-001	260.800	PC	158.400
		5500005825	10	6524000	29.06.2023	200587557-001	2.276.969	PC	144.000
		5500008279	10	6524000	30.06.2023	200587559-002	512.000	PC	144.000
		5500006826	10	6524000	09.06.2023	590005910-001	24.000	PC	138.000
		5500005823	10	6524000	29.06.2023	200858815-001	183.200	PC	124.800
		5500006835	10	6524000	11.05.2023	300056669-003	51.493	PC	51.493
		5500009144	10	6524000	27.06.2023	590002093-002	102.000	PC	51.000
		5500007638	10	6524000	27.06.2023	106238583-003	133.000	PC	27.000
		5500007639	10	6524000	27.06.2023	106238652-003	133.000	PC	26.000
		5500011595	10	6524030	15.06.2023	200567287-001	96.000	PC	24.000
		5500011059	10	6524000	27.06.2023	590002052-002	90.000	PC	21.000
		5500011552	10	6524030	29.06.2023	200254925-001	110.880	PC	20.160
		5500007752	10	6524000	27.06.2023	300058055-003	60.500	PC	19.500
		5500010277	10	6524030	15.06.2023	300036001-003	139.500	PC	17.700
		5500008839	10	6524000	07.06.2023	590002263-001	88.000	PC	16.000
		5500010616	10	6524000	30.06.2023	590005753-002	12.000	PC	15.000
		5500012014	10	6524030	29.06.2023	200253135-001	139.800	PC	13.800
		5500012013	10	6524030	29.06.2023	200253134-001	136.880	PC	10.880
		5500007641	10	6524000	27.06.2023	106238653-003	108.000	PC	10.000
		5500007640	10	6524000	27.06.2023	106238640-003	110.000	PC	10.000
		5500006460	10	6524000	28.06.2023	590004608-001	40.000	PC	10.000
		5500011313	10	6524030	29.06.2023	109143918-001	60.000	PC	9.000
		5500011229	10	6524030	29.06.2023	105910550-002	60.000	PC	9.000
		5500011460	10	6524030	29.06.2023	598800129-003	29.160	PC	6.660
		5500012242	10	6524000	27.06.2023	590005485-002	4.000	PC	6.000
		5500011356	10	6524030	24.05.2023	108237837-001	10.000	PC	5.040
		5500010225	10	6524030	24.05.2023	107788049-003	10.000	PC	5.027
		5500010320	10	6524030	07.06.2023	107662959-021	15.000	PC	5.000
		5500010196	10	6524030	29.06.2023	109205572-001	24.640	PC	3.080
		5500011219	10	6524030	29.06.2023	107790179-003	13.702	PC	2.640
		5500007554	10	6524000	30.03.2023	590005815-001	2.500	PC	2.500
		5500009058	10	6524000	16.06.2023	107371109-016	11.251	PC	1.570
		5500010213	10	6524030	29.06.2023	107661019-002	14.720	PC	1.472
		5500010208	10	6524030	28.06.2023	300004321-001	15.840	PC	1.440
		5500011878	10	6524030	29.06.2023	107959757-005	13.774	PC	1.260
		5500010216	10	6524030	30.06.2023	107696980-020	11.088	PC	504
		5500008969	10	6524000	20.06.2023	300043190-005	1.152	PC	500
		5500005809	10	6524000	25.04.2023	200437052-001	432	PC	432
		5500006183	10	6524000	11.05.2023	200024389-001	1.287	PC	330
		5500009968	10	6524000	29.06.2023	300028627-005	568	PC	72

Then search for the items with the condition:

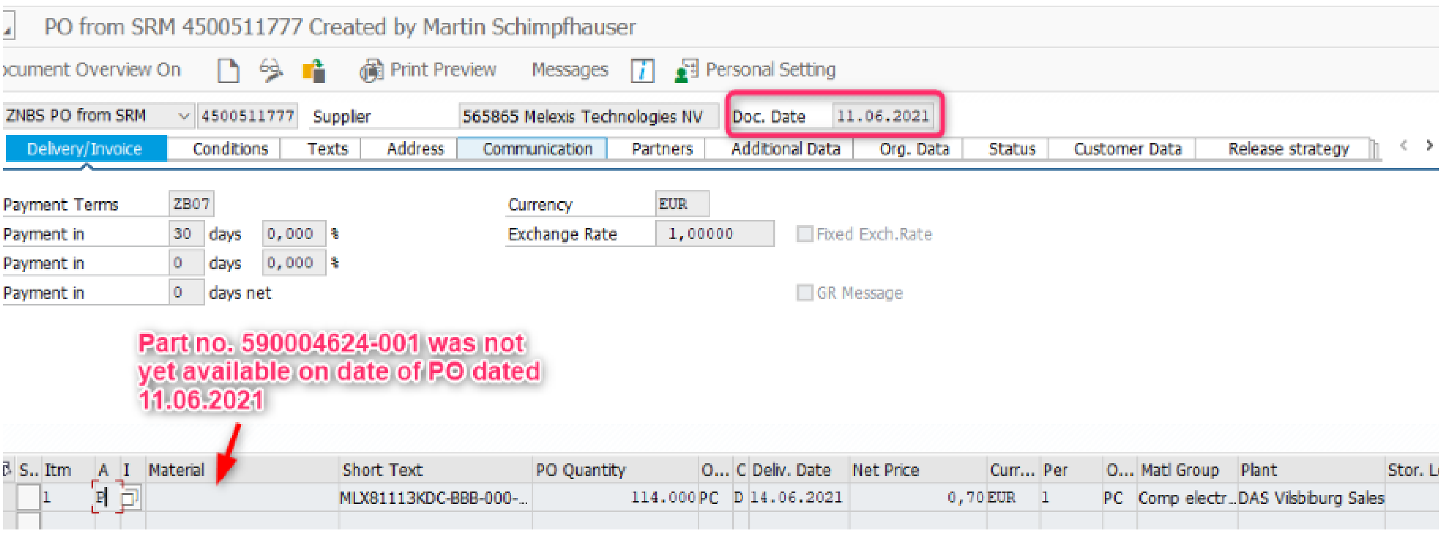
Open Qty. < Cum qty. (red marked frames)

Now the MRP controller proactively increases the scheduling lines of the respective ZLUE.

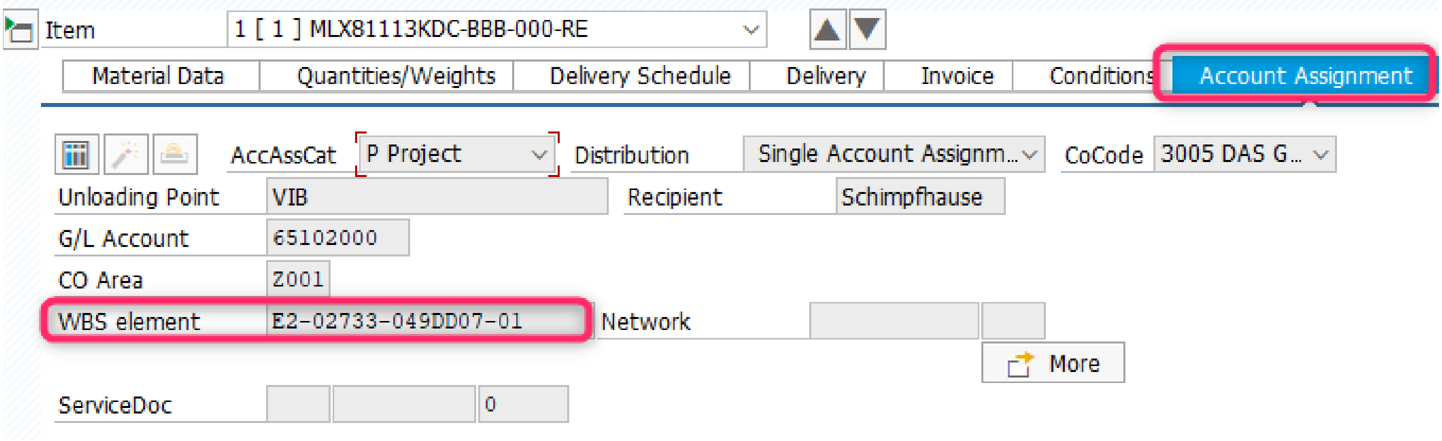
Remarks: To improve this evaluation you can copy separately the 3 columns with Control+Y (mark) and Control+C (copy) into Excel and make there a quick calculation:

Shopping Card Parts: Normally not applicable

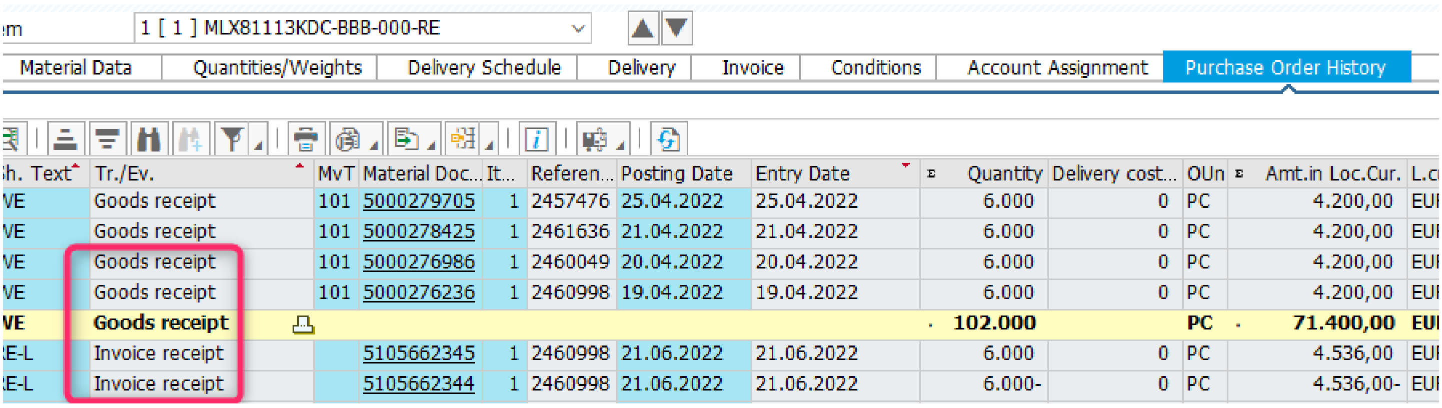
Sometimes when material number is not yet available during pre-series phase a so called shopping card PO might being created either in C-system or P-system. Such PO's always against a project WBS, e.g. 4500511777



In the Account Assignment you can retrieve the WBS:



Since Goods Receiving will be made against PO number a material number is not necessary. In addition, no stock being created in the system since it is a Project-PO with WBS:



h. Text	Tr./Ev.	MvT	Material Doc...	It...	Referen...	Posting Date	Entry Date	Quantity	Delivery cost...	OUn	Amt.in Loc.Cur.	L.c
VE	Goods receipt	101	5000279705	1	2457476	25.04.2022	25.04.2022	6.000	0	PC	4.200,00	EU
VE	Goods receipt	101	5000278425	1	2461636	21.04.2022	21.04.2022	6.000	0	PC	4.200,00	EU
VE	Goods receipt	101	5000276986	1	2460049	20.04.2022	20.04.2022	6.000	0	PC	4.200,00	EU
VE	Goods receipt	101	5000276236	1	2460998	19.04.2022	19.04.2022	6.000	0	PC	4.200,00	EU
VE	**Goods receipt**							**102.000**		**PC**	**71.400,00**	**EU**
E-L	Invoice receipt		5105662345	1	2460998	21.06.2022	21.06.2022	6.000	0	PC	4.536,00	EU
E-L	Invoice receipt		5105662344	1	2460998	21.06.2022	21.06.2022	6.000-	0	PC	4.536,00-	EU

So after Goods Receipt, the parts/ package being delivered physically to the responsible person for its purpose.

But what to do if the parts needs to be shipped to another plant. In the following a possible procedure will be explained which should only being applied as an **exception!!**

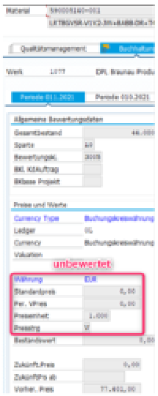
First you need to evaluate "Accounting 1" view of the respective plant where stock should be created:

'rocedure:

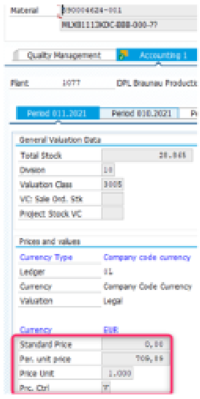
Target: PS4 / EWM stock creation

Material-Master-Data exists (finished MDG)
Example 590005140-001

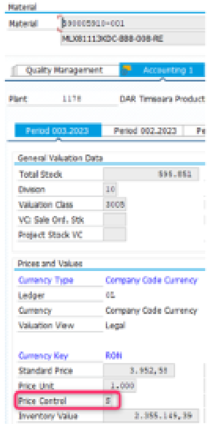
A) Material in Accounting 1 **not** valued and price **control V** (MM03-Accounting 1)



B) Material in Accounting 1 **valued** and **price control V** (MM03-Accounting 1)



C) Material has **price control** (MM03-Accounting 1)



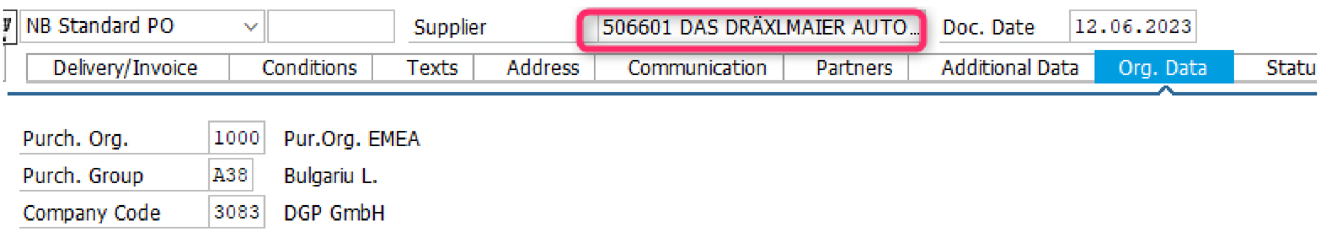
A) Price Control V and value is 0. In other words, so far not Goods Receiving occurred so a free-of-charge PO can be utilized to create stock. Controlling does **NOT** need to be involved (no MR21)

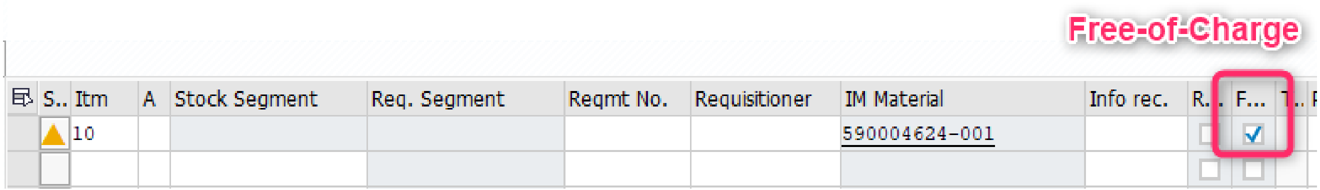
B) Price Control V and value is not 0. Here Controlling (MR21) needs to be involved after the GR being executed since the V-price will be dropped when doing GR against free-of-charge PO.

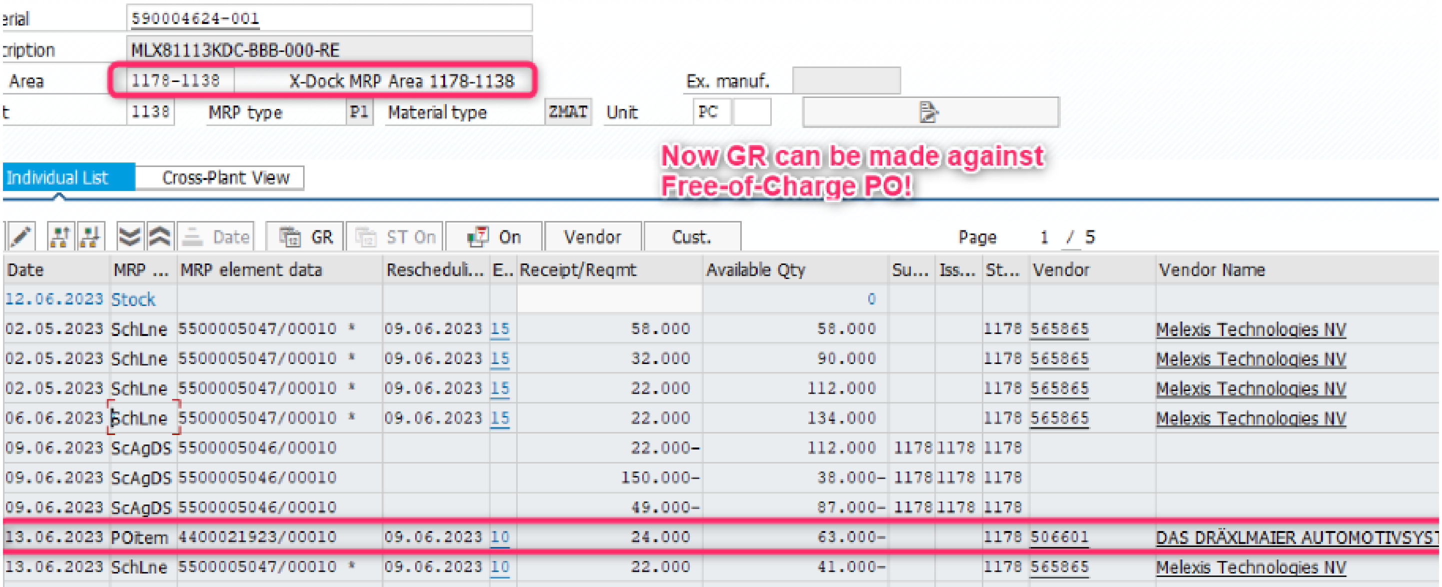
C) Price Control S with value or value is 0. Controlling does **NOT** to be involved (no MR21) when using a Free-of-Charge PO.

<u>ME21N Create Free-of-Charge PO e.g. 4400021923</u>

Create a Free-Of-Charge PO like 4400021923







Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	Su...	Iss...	St...	Vendor	Vendor Name
12.06.2023	Stock					0					
02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	58.000	58.000			1178	565865	Melexis Technologies NV
02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	32.000	90.000			1178	565865	Melexis Technologies NV
02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	22.000	112.000			1178	565865	Melexis Technologies NV
06.06.2023	SchLne	5500005047/00010 *	09.06.2023	15	22.000	134.000			1178	565865	Melexis Technologies NV
09.06.2023	ScAgDS	5500005046/00010			22.000-	112.000	1178	1178	1178		
09.06.2023	ScAgDS	5500005046/00010			150.000-	38.000-	1178	1178	1178		
09.06.2023	ScAgDS	5500005046/00010			49.000-	87.000-	1178	1178	1178		
13.06.2023	POitem	4400021923/00010	09.06.2023	10	24.000	63.000-			1178	506601	DAS DRÄXLMAIER AUTOMOTIVSYST
13.06.2023	SchLne	5500005047/00010 *	09.06.2023	10	22.000	41.000-			1178	565865	Melexis Technologies NV

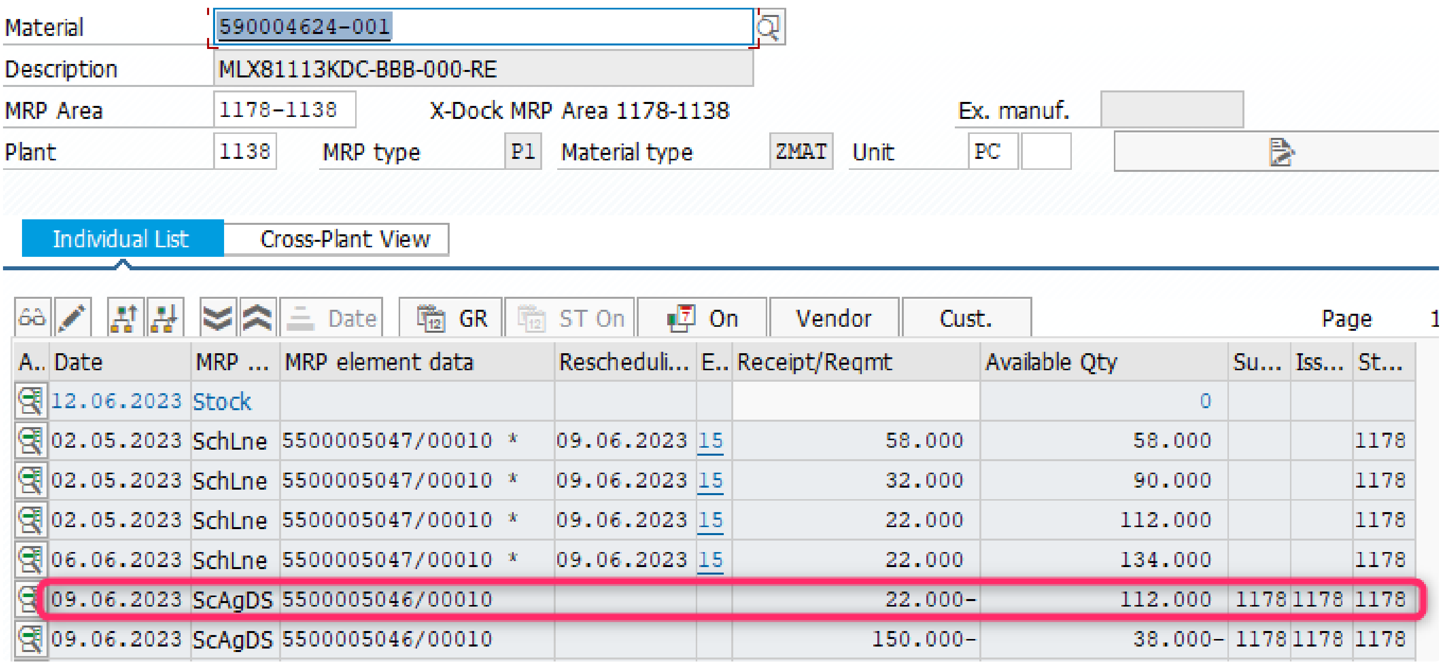
Now Goods Receiving can create stock.

<u>MR21 Price Change for variant B</u>

Since the V price will be dropped when do GR against Free-of-Charge, pls. approach controlling to perform MR21 which needs to be documented for KPMG reasons.

<u>Outbound delivery to plant</u>

When the receiving plant should pay for the parts then the normal Interco MMSA can be used, e.g. 5500005046



A..	Date	MRP ...	MRP element data	Rescheduli...	E..	Receipt/Reqmt	Available Qty	Su...	Iss...	St...
	12.06.2023	Stock					0			
	02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	58.000	58.000			1178
	02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	32.000	90.000			1178
	02.05.2023	SchLne	5500005047/00010 *	09.06.2023	15	22.000	112.000			1178
	06.06.2023	SchLne	5500005047/00010 *	09.06.2023	15	22.000	134.000			1178
	09.06.2023	ScAgDS	5500005046/00010			22.000-	112.000	1178	1178	1178
	09.06.2023	ScAgDS	5500005046/00010			150.000-	38.000-	1178	1178	1178

If not another Free-of-Charge PO from the receiving plant needs to be created as well. In out case use as supplier 555445 DGP.

Note: In our example the Accounting 1 in plant 1178 TEM shows Price Control S, so variant C and Controlling is not involved.

Contact

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SO

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LINKS

Knowledge Transfer Home Page