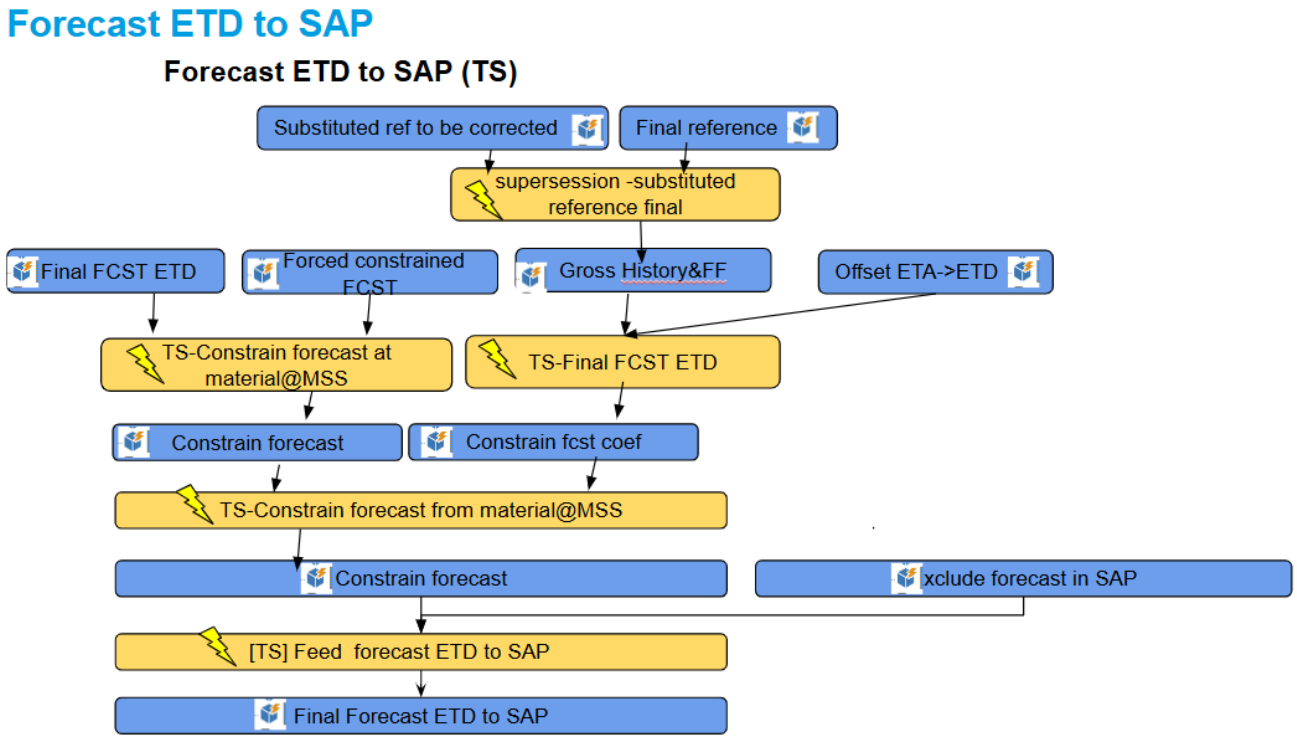
5.2 - DynaSys => SAP interface

- a. Data fields and Calculations in Dynasys
- b. Forecast export to SAP
- c. Import in SAP
- d. Manual output the forecast from Dynasys to SAP
- e. Verify the forecast in SAP
- f. Forecast Individually checking

a. Data fields and Calculations in Dynasys

The Final forecast is elaborated though several successive calculations

Example of TS :

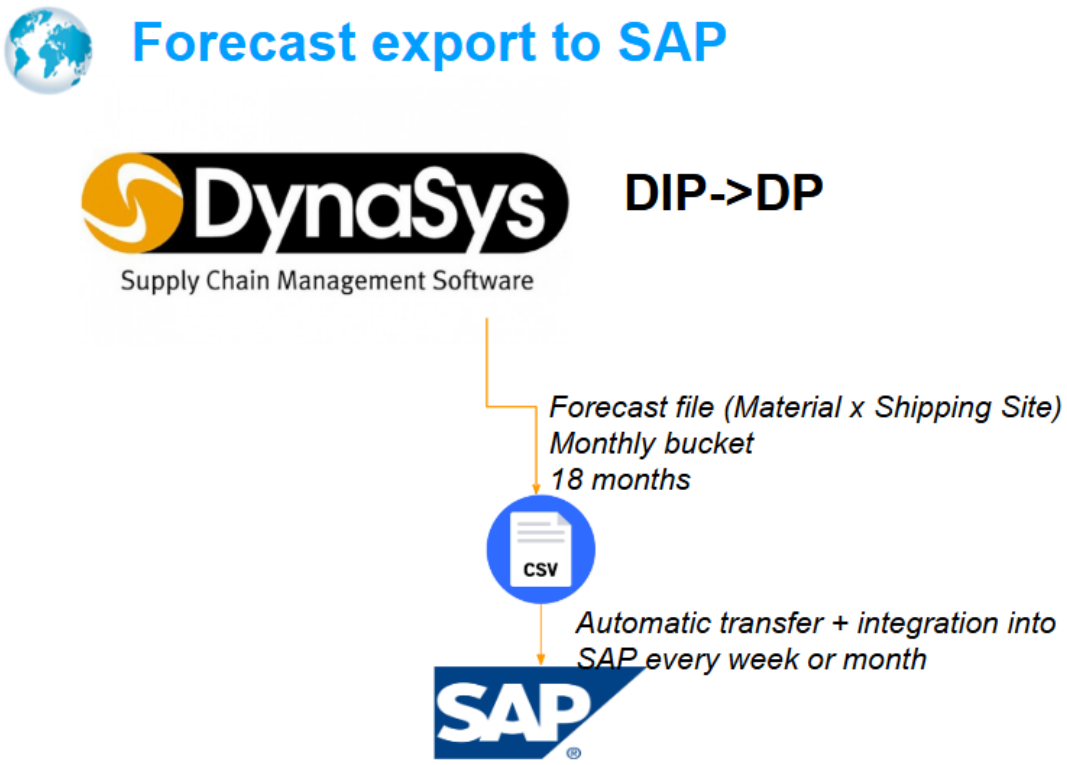


b. Forecast export to SAP

Files for SAP are generated at different frequencies and time slots, depending on the GBU.

MFT is in charge of catching files from Dynasys server.

Instance	GBU	Frequency	Job	Approximative Running time (CET)	Data exported	How
DIP1	TS	Every 1st and 6th of the month	Dscp DIP1 Daily BW export (at the end of the dynamic)	8am CET	Final forecast ETD	through MFT
DIP1	TS	Every Sunday	Dscp DIP1 Weekly	midday	Final forecast ETD	through MFT
DP2	Composite	Manual flag in DSCP (mid month) + Every weekday Every Saturday Every Sunday	 Dscp DP2 Daily Dynamic Dscp DP2 Daily Static Dscp DP2 Sunday	 6.30am 4.30am 4.30am	Final forecast	through MFT
DIP3	Novecare	Every Saturday	Dscp DIP3 Saturday	8am	Forecast after netting	through MFT
	O&G	Every Saturday	Dscp DIP3 Saturday	8am	Final forecast ETD	through MFT
	Novecare	Every Sunday	Dscp DiP3 Sunday	1pm	Planned orders, target stock	through MFT



c. Import in SAP

Transaction code **ZWPP_PIR_UPLOAD**(program: **ZWPMR0001C**) is using to upload the forecast from Dynasys to SAP, there are jobs scheduled in SAP by weekly or monthly to do this uploading automatically in WP2.
After MRP run, SAP will generate planned independent requirements for planning or Long term Planning.

Procedure to be used for WP2 :

DynaSys DP - Export Independent Requirement

Each GBU have a specific job, scheduled in SAP. Below the jobs available in WP2:

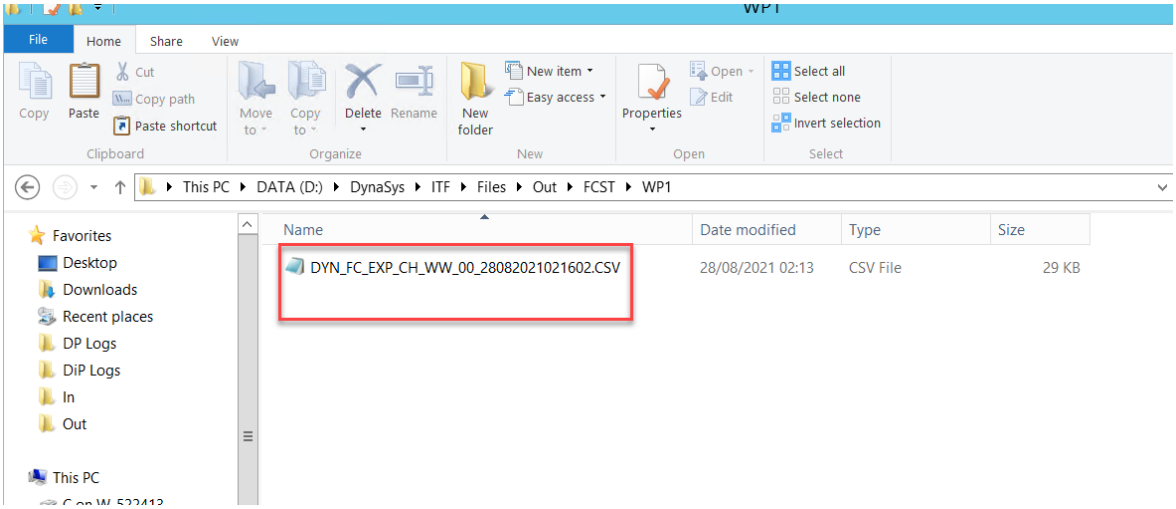
System	GBU	Frequency	Job	Running time (CET)
WP2	Composite	monthly-every 18th	PP_RCS_FC_UPLD_CM_WW (variantes CM_WW_00 + CM_WW_04)	0:10
WP2	TS	monthly-every 1st and 6th	PP_RCS_FC_UPLD_TSMONTHLY_WW_1ST (variante TS_WW_00) PP_RCS_FC_UPLD_TSMONTHLY_WW_6TH (variante TS_WW_00) Caution job PP_RCS_FC_UPLD_TSNVMNTH_WW (variante variant TS_NV_00) is still planned every 6 of the month, uploading a file not updated since 06.09.2023 at 8am =>DYN_FC_EXP_TS_NV_00.CSV => must be an error when NV + EW were replaced by WW	9:00 PM CET
WP2	TS	every Sunday	RCS_PP_FC_UPLD_TSWK_WW (variante TS_WW_00)	4:00 PM CET
WP2	Novecare	every Saturday	RCS_PP_FC_UPLD_NVWK_WW (variante CS_WW_00)	6:00 PM CET
WP2	OG	every Saturday	RCS_PP_FC_UPLD_OGWK_WW (variante OG_WW_00)	6:00 PM CET

d. Manual output the forecast from Dynasys to SAP

1> Login the backend server as an administrator, and manual trigger the Macro (ensure there is no background running), take Special chem as an example:

Macro_TECH_ExportSAP_

After the Macro done, go to the folder \DynaSys\ITF\Files\Out\FCST\WP2 on the backend server to check if the CSV file was generated correctly.



The CSV under folder WP2 will get transferred to SAP and meanwhile this file will be copied to folder BKUP after 5 minutes, If there is any problem for the MFT Jobs please contact the MFT team

2> check the CSV file in SAP

Use AL11 and go to Directory: /exploit/PP/data/DYN/FCST, you can see the file size and what time it got generated.

Directory: /exploit/PP/data/DYN/FCST

Usab...	Viewed	Changed	Length	Owner	Lastchange	Lastchange	File Name
			4096	exploit	06/16/2021	03:09:34	.
			256	exploit	06/30/2021	18:25:51	..
X	X		29187	sftpmft	08/28/2021	02:13:05	DYN_FC_EXP_CH_WW_00.CSV
X			57195	sftpmft	09/18/2021	05:27:27	DYN_FC_EXP_CM_WW_00.CSV
X			292366	sftpmft	09/18/2021	05:28:26	DYN_FC_EXP_CM_WW_04.CSV
X			263129	sftpmft	09/18/2021	05:29:25	DYN_FC_EXP_CM_WW_06.CSV
X			243468	sftpmft	09/25/2021	14:54:38	DYN_FC_EXP_CS_WW_00.CSV
X			36868	sftpmft	06/16/2021	03:09:11	DYN_FC_EXP_PY_WW_00.CSV
X			36868	sftpmft	06/16/2021	03:09:12	DYN_FC_EXP_PY_WW_02.CSV
X			892	sftpmft	09/06/2021	02:27:00	DYN_FC_EXP_TS_EW_00.CSV
X			7034	sftpmft	09/06/2021	02:26:59	DYN_FC_EXP_TS_NV_00.CSV
X			71541	sftpmft	09/25/2021	20:11:03	DYN_FC_EXP_TS_WW_00.CSV
X			6946	sftpmft	09/19/2021	13:42:02	DYN_PO_EXP_CS_NV_00.CSV
X			216	sftpmft	09/19/2021	13:42:02	DYN_ST_EXP_CS_NV_00.CSV
X			2888528	sftpmft	08/20/2021	18:30:33	EXP_SAP_PROGRAM.CSV

Be noted, the MFT will only work for the production environments, if we need to some tests in the background run from server, in WQ2 we can upload by program ZWFAU01000.

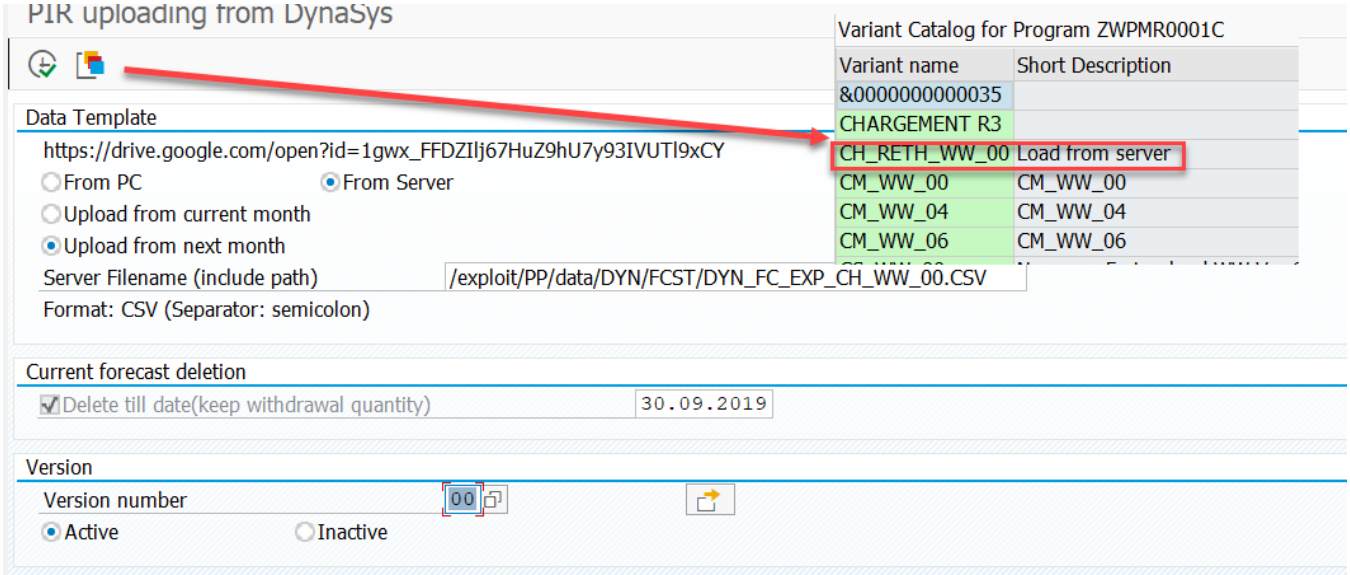
double click the file to see if it can be opened.

SAP Directories

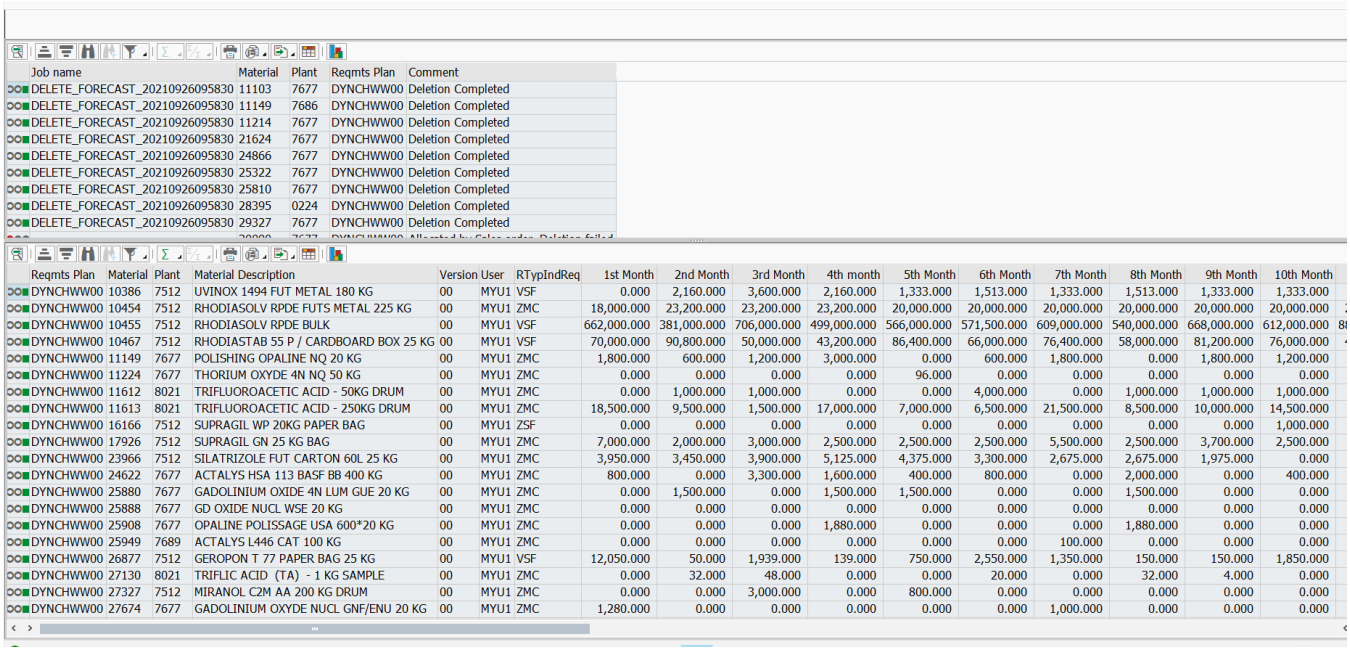
Directory: /exploit/PP/data/DYN/FCST
Name: DYN_FC_EXP_CH_WW_00.CSV

```
Reqmt_Plan_Number;Material;Material description;Plant;Requirement type;09.2021;10.2021;11.2021;12.2021;01.2022;02.2022;03.2022;04.202
DYNCHWW00;100543;;7677;;0;0;0;320;0;0;0;0;0;320;0;0;0;0;0;0
DYNCHWW00;100608;;7686;;16000;22000;10000;16000;24000;24000;24000;14000;14000;14000;14000;16000;16000;16000;16000;16000;15000;15000
DYNCHWW00;104986;;7677;;500;0;0;500;0;0;0;0;0;0;0;0;0;0;0;0
DYNCHWW00;105164;;7677;;1920;1280;640;640;448;448;1408;448;448;1408;448;448;1408;448;410;1370;693;693
DYNCHWW00;105927;;0224;;5700;860;5650;170;7710;2330;7710;2330;7770;2330;2360;2440;2360;2380;2360;2380;2360;2380
DYNCHWW00;106239;;7677;;10880;5120;3840;7130;3689;3049;4329;3049;5699;3689;3689;3049;3689;5699;3689;3689;3689;3049
DYNCHWW00;106240;;7677;;0;0;1280;0;107;107;107;107;107;107;107;107;107;107;107;107;107;107
DYNCHWW00;106260;;0224;;560;1100;0;1080;20;1620;1100;0;1080;0;1080;0;1100;1080;20;1100;20;1080
DYNCHWW00;106855;;0224;;5850;6400;6850;6850;4000;1000;1350;6300;5400;6300;5400;5400;4500;5400;5400;5400;4500;3600
DYNCHWW00;106855;;7677;;17400;8100;11700;20800;16300;9000;9900;14950;6750;15350;5350;15350;5350;15350;5350;15350;5350;15350
DYNCHWW00;106855;;7686;;8100;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750;6750
DYNCHWW00;106855;;8083;;109350;139800;111900;95700;144050;133700;133950;116300;144950;105650;120550;121450;137200;139000;137200;12100
DYNCHWW00;106856;;0224;;240;480;0;240;480;360;240;480;240;480;480;540;480;480;480;480;480;360
DYNCHWW00;106856;;7687;;60;0;0;9600;9600;0;9600;0;9600;0;9600;0;9600;0;0;9600;0;0
DYNCHWW00;106856;;8083;;360;0;1740;240;360;0;360;1620;360;240;360;1380;360;240;360;1380;360;0
DYNCHWW00;106890;;7686;;0;0;13680;14400;0;14400;0;14400;0;0;14400;14400;0;0;0;14400;0;0
DYNCHWW00;106890;;7689;;240;300;180;180;180;180;180;180;180;180;180;180;180;180;180;180;180;180
DYNCHWW00;106890;;8083;;0;0;480;0;0;0;0;480;0;0;0;480;0;0;0;0;0;0
DYNCHWW00;106891;;0224;;3400;0;0;0;0;0;800;0;1000;0;0;0;400;1000;0;0;1000;0
DYNCHWW00;106895;;8083;;0;0;454;0;0;0;0;0;0;0;0;0;0;0;0;0;0;0
DYNCHWW00;106896;;7689;;160;180;180;120;120;180;120;120;120;120;120;120;120;120;120;120;120;120
DYNCHWW00;106897;;7686;;1362;1362;1362;1362;908;1362;1362;1362;1362;1362;1362;1362;1362;1362;1362;1362;1362;1362
DYNCHWW00;106897;;8083;;7264;1362;4086;7216;6356;3178;3632;4994;4540;6356;5902;5902;5902;5902;5902;5902;5902;5902
DYNCHWW00;106898;;7687;;0;10000;10000;10000;0;0;10000;0;10000;0;10000;0;10000;10000;10000;0;0;10000
DYNCHWW00;107414;;0224;;1560;2100;0;600;1800;1800;1800;2160;1560;2040;1800;2100;2520;2100;2100;2520;1800;1800
DYNCHWW00;107414;;8083;;0;0;0;120;120;0;0;0;0;0;120;0;0;0;0;0;0
DYNCHWW00;107791;;7687;;0;0;240;0;0;0;120;0;0;0;0;0;120;0;0;0;0;0
DYNCHWW00;107791;;8083;;2520;240;5400;0;2760;0;0;2880;2240;0;0;2880;2000;0;0;4880;0;0
DYNCHWW00;107851;;8083;;1800;0;0;4950;2250;3150;0;3150;450;900;2250;0;0;2250;0;0;2250;0
DYNCHWW00;107853;;8083;;1500;1500;1000;1000;500;500;1000;1000;500;1000;500;1000;1000;1000;1000;1000;1000
```

3> Launch transaction ZWPP_PIR_UPLOAD, select the correct variant:



4> Execute the program, there will be a loading log after complete the loading, and two log files also will send to the users if they have maintained the email address in ZDP_EMAIL_PIR(this function now only in WP2).

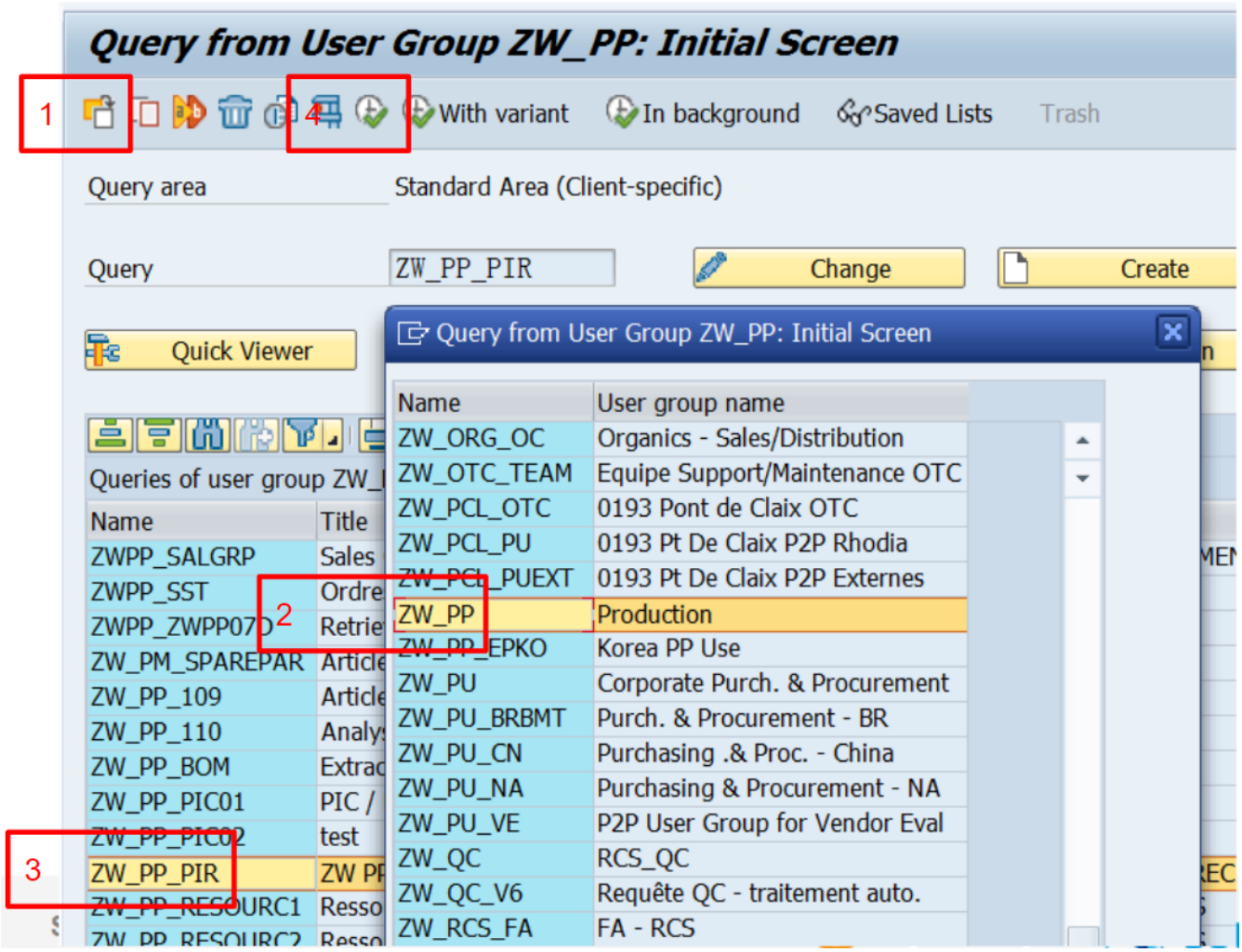


Job name	Material	Plant	Reqmts Plan	Comment
DELETE_FORECAST_20210926095830	11103	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	11149	7686	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	11214	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	21624	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	24866	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	25322	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	25810	7677	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	28395	0224	DYNCHWW00	Deletion Completed
DELETE_FORECAST_20210926095830	29327	7677	DYNCHWW00	Deletion Completed

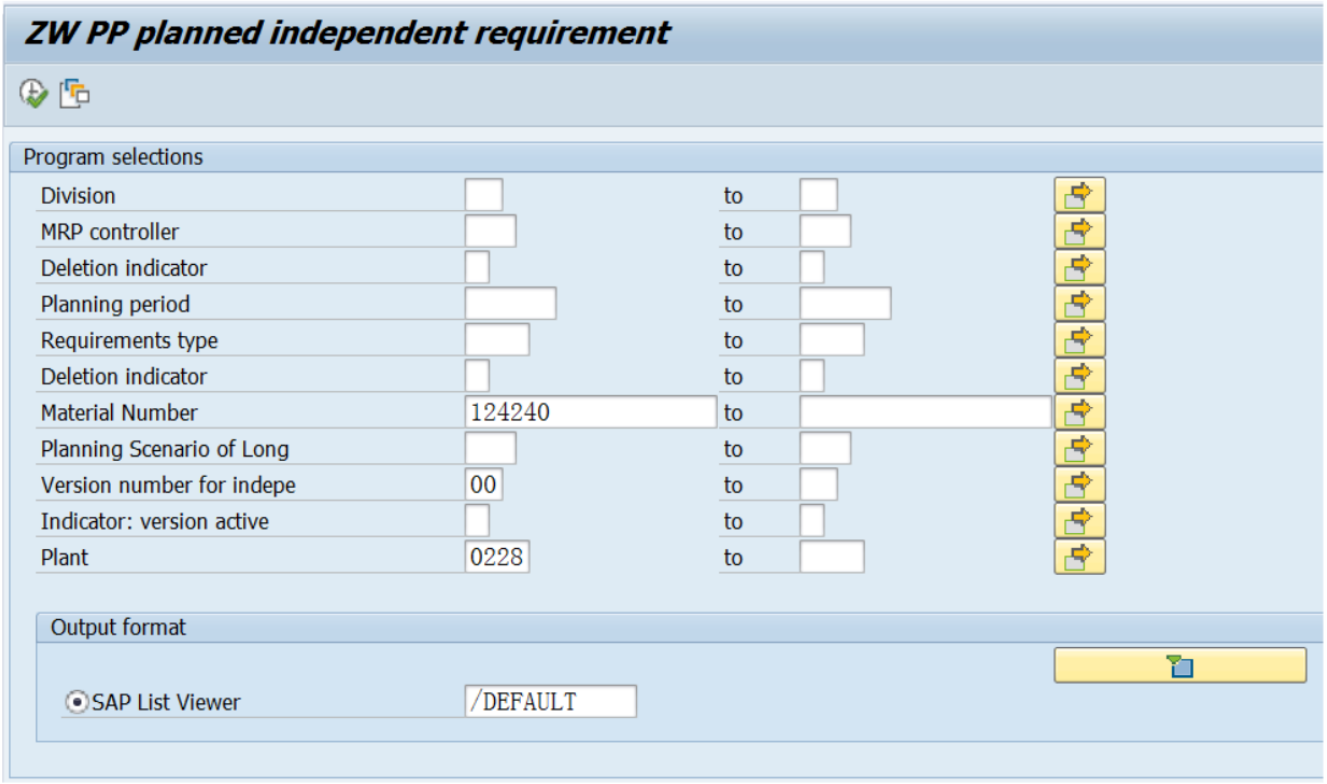
Reqmts Plan	Material	Plant	Material Description	Version	User	RTypIndReq	1st Month	2nd Month	3rd Month	4th month	5th Month	6th Month	7th Month	8th Month	9th Month	10th Month
DYNCHWW00	10386	7512	UVINOX 1494 FUT METAL 180 KG	00	MYU1	VSF	0.000	2,160.000	3,600.000	2,160.000	1,333.000	1,513.000	1,333.000	1,513.000	1,333.000	1,333.000
DYNCHWW00	10454	7512	RHODIASOLV RPDE FUTS METAL 225 KG	00	MYU1	ZMC	18,000.000	23,200.000	23,200.000	23,200.000	20,000.000	20,000.000	20,000.000	20,000.000	20,000.000	20,000.000
DYNCHWW00	10455	7512	RHODIASOLV RPDE BULK	00	MYU1	VSF	662,000.000	381,000.000	706,000.000	499,000.000	566,000.000	571,500.000	609,000.000	540,000.000	668,000.000	612,000.000
DYNCHWW00	10467	7512	RHODIASTAB 55 P / CARDBOARD BOX 25 KG	00	MYU1	VSF	70,000.000	90,800.000	50,000.000	43,200.000	86,400.000	66,000.000	76,400.000	58,000.000	81,200.000	76,000.000
DYNCHWW00	11149	7677	POLISHING OPALINE NQ 20 KG	00	MYU1	ZMC	1,800.000	600.000	1,200.000	3,000.000	0.000	600.000	1,800.000	0.000	1,800.000	1,200.000
DYNCHWW00	11224	7677	THORIUM OXYDE 4N NQ 50 KG	00	MYU1	ZMC	0.000	0.000	0.000	0.000	96.000	0.000	0.000	0.000	0.000	0.000
DYNCHWW00	11612	8021	TRIFLUOROACETIC ACID - 50KG DRUM	00	MYU1	ZMC	0.000	1,000.000	1,000.000	0.000	0.000	4,000.000	0.000	1,000.000	1,000.000	1,000.000
DYNCHWW00	11613	8021	TRIFLUOROACETIC ACID - 250KG DRUM	00	MYU1	ZMC	18,500.000	9,500.000	1,500.000	17,000.000	7,000.000	6,500.000	21,500.000	8,500.000	10,000.000	14,500.000
DYNCHWW00	16166	7512	SUPRAGIL WP 20KG PAPER BAG	00	MYU1	ZSF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,000.000
DYNCHWW00	17926	7512	SUPRAGIL GN 25 KG BAG	00	MYU1	ZMC	7,000.000	2,000.000	3,000.000	2,500.000	2,500.000	2,500.000	5,500.000	2,500.000	3,700.000	2,500.000
DYNCHWW00	23966	7512	SILATRIZOLE FUT CARTON 60L 25 KG	00	MYU1	ZMC	3,950.000	3,450.000	3,900.000	5,125.000	4,375.000	3,300.000	2,675.000	2,675.000	1,975.000	0.000
DYNCHWW00	24622	7677	ACTALYS HSA 113 BASF BB 400 KG	00	MYU1	ZMC	800.000	0.000	3,300.000	1,600.000	400.000	800.000	0.000	2,000.000	0.000	400.000
DYNCHWW00	25880	7677	GADOLINIUM OXIDE 4N LUM GUE 20 KG	00	MYU1	ZMC	0.000	1,500.000	0.000	1,500.000	1,500.000	0.000	0.000	1,500.000	0.000	0.000
DYNCHWW00	25888	7677	GD OXIDE NUCL WSE 20 KG	00	MYU1	ZMC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DYNCHWW00	25908	7677	OPALINE POLISSAGE USA 600*20 KG	00	MYU1	ZMC	0.000	0.000	0.000	1,880.000	0.000	0.000	0.000	1,880.000	0.000	0.000
DYNCHWW00	25949	7689	ACTALYS L446 CAT 100 KG	00	MYU1	ZMC	0.000	0.000	0.000	0.000	0.000	0.000	100.000	0.000	0.000	0.000
DYNCHWW00	26877	7512	GEROPON T 77 PAPER BAG 25 KG	00	MYU1	VSF	12,050.000	50.000	1,939.000	139.000	750.000	2,550.000	1,350.000	150.000	150.000	1,850.000
DYNCHWW00	27130	8021	TRIFLIC ACID (TA) - 1 KG SAMPLE	00	MYU1	ZMC	0.000	32.000	48.000	0.000	0.000	20.000	0.000	32.000	4.000	0.000
DYNCHWW00	27327	7512	MIRANOL C2M AA 200 KG DRUM	00	MYU1	ZMC	0.000	0.000	3,000.000	0.000	800.000	0.000	0.000	0.000	0.000	0.000
DYNCHWW00	27674	7677	GADOLINIUM OXYDE NUCL GNF/ENU 20 KG	00	MYU1	ZMC	1,280.000	0.000	0.000	0.000	0.000	0.000	1,000.000	0.000	0.000	0.000

e. Verify the forecast in SAP

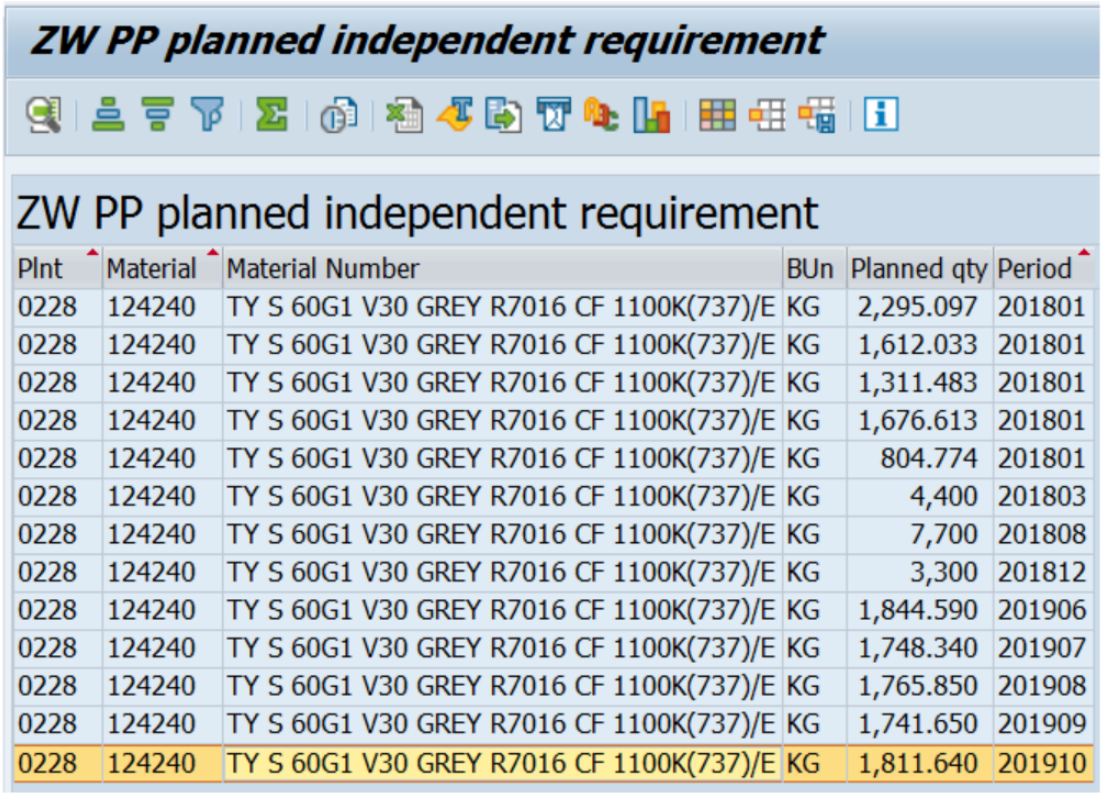
Check the import through **SQ00** 1/3



Check the import through **SQ00** 2/3



Check the import through **SQ00** 3/3



Plnt	Material	Material Number	BUn	Planned qty	Period
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	2,295.097	201801
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,612.033	201801
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,311.483	201801
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,676.613	201801
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	804.774	201801
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	4,400	201803
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	7,700	201808
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	3,300	201812
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,844.590	201906
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,748.340	201907
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,765.850	201908
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,741.650	201909
0228	124240	TY S 60G1 V30 GREY R7016 CF 1100K(737)/E	KG	1,811.640	201910

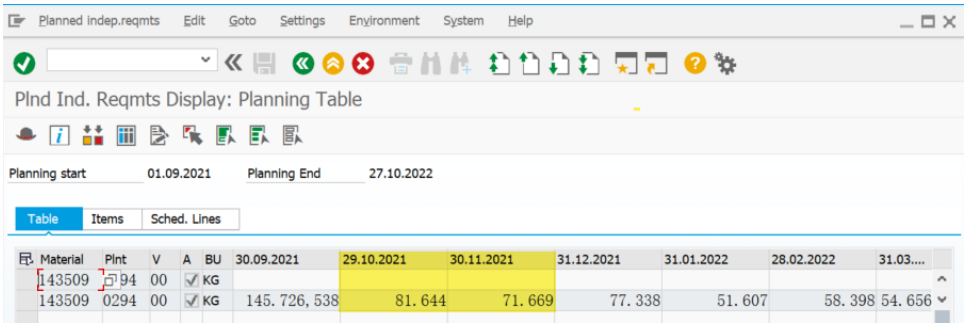
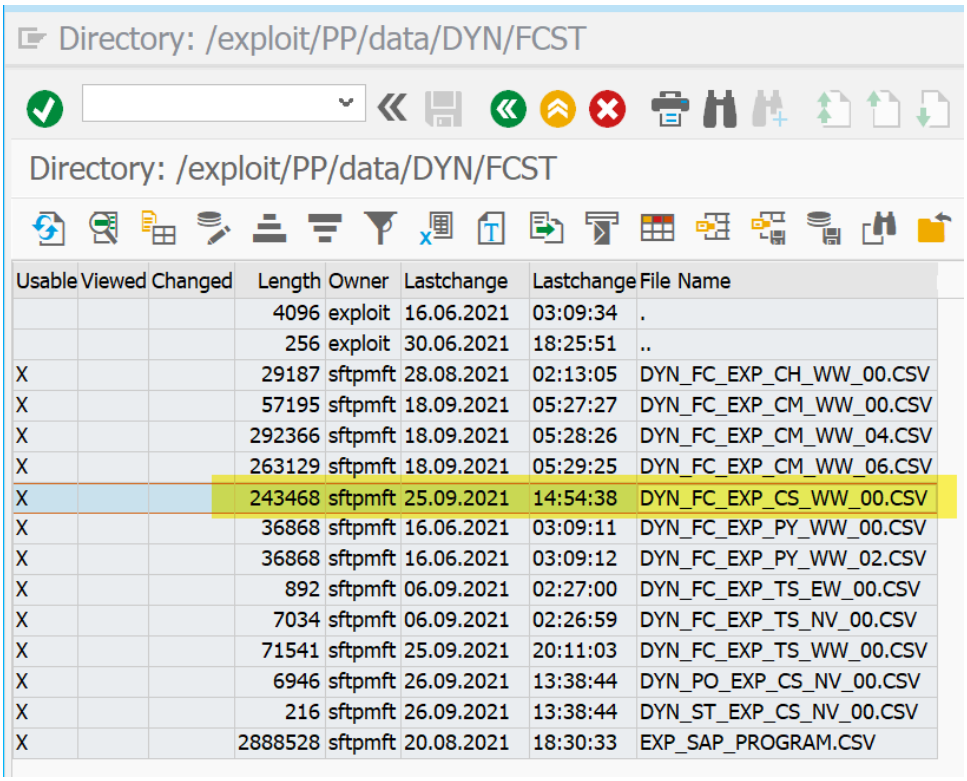
f. Forecast Individually checking

(Indépendant requirement is the result of the netting in dynasys)

Dynasys S&OP Planning and Interface.

Please don't use MD04 to check the forecast, the data shows in MD04 is deducted by the sales order allocation.

You can use **MD63** to check the full loaded forecast from Dynasys.

#	Description	Screenshot
1	Forecast from plant **0294** material **143509** (WP2) Oct = 43To Nov = 58 To	
2	same with the import file Use SAP transaction code **AL11** go to Directory: **/exploit/PP/data /DYN/FCST**, you can see the file size and what time it got generated.	blocked URL *Directory: /exploit/PP/data/DYN/FCST  Usable Viewed Changed Length Owner Lastchange Lastchange File Name 4096 exploit 16.06.2021 03:09:34 . 256 exploit 30.06.2021 18:25:51 .. X 29187 sftpmft 28.08.2021 02:13:05 DYN_FC_EXP_CH_WW_00.CSV X 57195 sftpmft 18.09.2021 05:27:27 DYN_FC_EXP_CM_WW_00.CSV X 292366 sftpmft 18.09.2021 05:28:26 DYN_FC_EXP_CM_WW_04.CSV X 263129 sftpmft 18.09.2021 05:29:25 DYN_FC_EXP_CM_WW_06.CSV X 243468 sftpmft 25.09.2021 14:54:38 DYN_FC_EXP_CS_WW_00.CSV X 36868 sftpmft 16.06.2021 03:09:11 DYN_FC_EXP_PY_WW_00.CSV X 36868 sftpmft 16.06.2021 03:09:12 DYN_FC_EXP_PY_WW_02.CSV X 892 sftpmft 06.09.2021 02:27:00 DYN_FC_EXP_TS_EW_00.CSV X 7034 sftpmft 06.09.2021 02:26:59 DYN_FC_EXP_TS_NV_00.CSV X 71541 sftpmft 25.09.2021 20:11:03 DYN_FC_EXP_TS_WW_00.CSV X 6946 sftpmft 26.09.2021 13:38:44 DYN_PO_EXP_CS_NV_00.CSV X 216 sftpmft 26.09.2021 13:38:44 DYN_ST_EXP_CS_NV_00.CSV X 2888528 sftpmft 20.08.2021 18:30:33 EXP_SAP_PROGRAM.CSV
3	In Dynasys shipments requirements: 61 to in Oct 48 to in NOv	blocked URL
	To check the Qty from DIP to DP was aligned. FCST export from DIP:	blocked URL
	FCST export from DP:	blocked URL