

BW RTR - Segmented P&L in PAPM

- 1 [Roles & Access](#)
- 2 [Dataflow overview](#)
- 3 [General presentation](#)
 - 3.1 [Objective of the application](#)
 - 3.2 [History](#)
 - 3.3 [Technical rules on Workbench](#)
 - 3.3.1 [Rules & Explanations](#)
 - 3.3.2 [Nature of Data](#)
 - 3.3.3 [Manufacturing Plant](#)
 - 3.3.4 [Transaction Type Enhancement](#)
 - 3.3.5 [Snapshot Mechanism](#)
 - 3.3.5.1 [ZSEGPL Main transaction](#)
 - 3.3.6
 - 3.3.6.1 [ZSEGPL_AUT: Maintenance table for Authorization scope](#)
 - 3.3.7
 - 3.3.7.1 [ZSEGPL_FIL: Import flat file for Restatement table](#)
 - 3.3.7.2 [ZSEGPL_SNP: Manual Snapshot](#)
 - 3.3.8
 - 3.3.8.1 [ZSEGPL_TPD: Manual Maintenance of Restatement table](#)
 - 3.4 [Reporting](#)
 - 3.4.1 [Main queries](#)
 - 3.5 [Dependencies with other applications](#)
- 4 [Data loadings](#)
 - 4.1 [Info providers and objects loaded](#)
 - 4.2 [Loading frequency](#)
 - 4.3 [Average performance](#)
- 5 [Data Quality Control](#)
- 6 [Operational Documentation](#)
 - 6.1 [Procedures](#)
 - 6.2 [Scheduling](#)
 - 6.3 [Monitoring](#)
 - 6.4 [Error Handling](#)
 - 6.5 [Known Bugs](#)
 - 6.6 [Roadmap](#)

Roles & Access

Roles & Access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation
ZR_RCS_CA_M123	P&L - Segmented P&L Menu Role	Authorization for Tcodes ZSEGPL, ZSEGPL_AUT, ZSEGPL_FIL, ZSEGPL_SNP, ZSEGPL_TPD Authorization for table maintenance (SM30) for ZCOPA_SNPSHT_AUT, ZCOPA_TP_DERIV, ZCOPA_TP_DERIV_V Authorization for Display, Delete and Maintain of SnapShot DSO ABCOPA08, ABCOPA09

Authorization Objects

List of autorisation objects mandatory for the application.

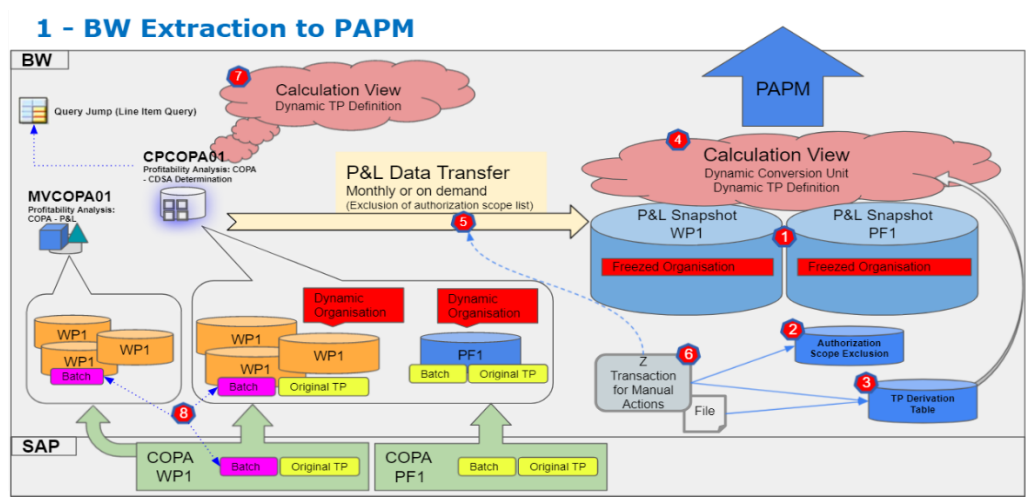
Authorization object	Explanation
C_COMPPRS__C_AUTHMA	ZR_*_CA_P00

Dataflow overview

[User Requirements](#)

[Segmented P&L Prestudy](#)

Dataflow overview :

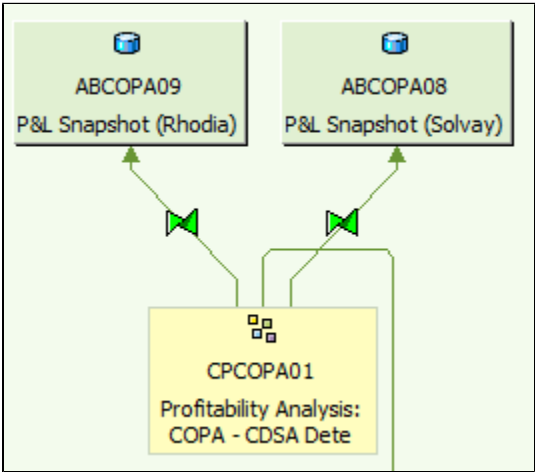


Technical Detailed Specification - 11490 - PR00097 Segmented P&L - Data extraction to PAMP

STEP 1 : BW dataflow for PAMP extraction:

ADSO ABCOPA08 - P&L Snapshot (Solvay)

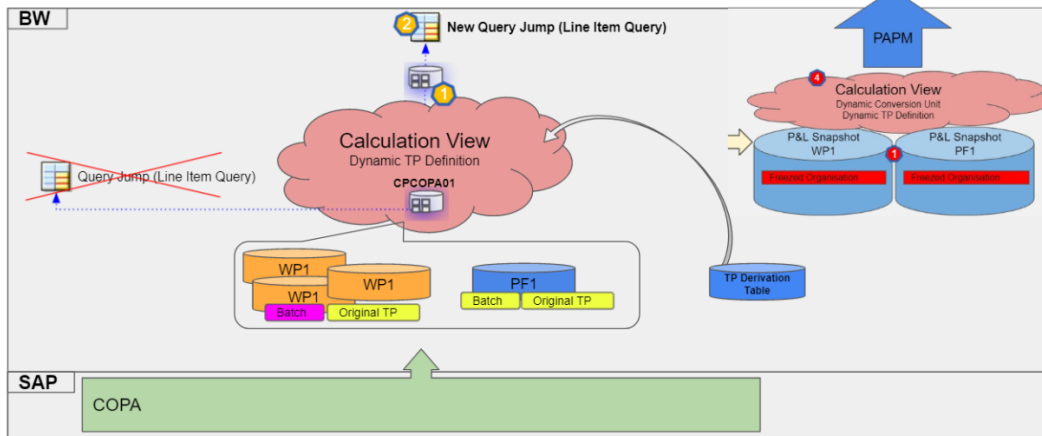
ADSO ABCOPA09 - P&L Snapshot (Rhodia)



STEP 4: Calculation view used to extract data to PAMP :

Solvay.IA_FMCO.IA_FMCO_CO.IA_FMCO_COPA/CV_FMCO_COPA_PL_SNAPSHOT_PAMP

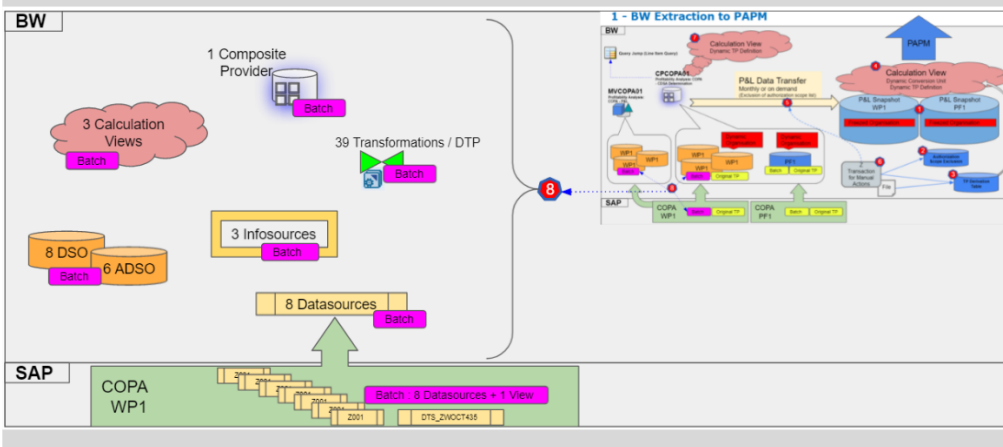
7 Focus on P&L TP enhancement



Transaction Type Enhancement in P&L BW data flow:

1. Calculation view using CPCOPA01 data : Solvay.IA_FMCO.IA_FMCO_CO.IA_FMCO_COPA/CV_FMCO_COPA_PL_TP_TRTYPE
2. Composite Provider using the CV data: **CPCOPA04**
3. Jump P&L Query **BW_QRY_CPCOPA04_0001** (available from Main P&L Query BW_QRY_MVCOPA01_0001)

Update of existing data flow with WP1 Batch info



Technical Detailed Specification - 11490 - Segmented P&L - Batch enhancement

General presentation

Objective of the application

Name : Segmented P&L in P&P

Project ID : 11490

Description : BW a solution based on existing P&L reporting layers, that can be used to fuel Segmented P&L application to be built in P&P

PaPM = Profitability and Performance Management is a native SAP HANA solution that maintains and executes complex calculations, rules and simulations. With no set data model, it is highly flexible and enables you to create high-speed profitability and cost analysis with minimal IT involvement. In Solvay, we have 2 main parts, which are CBS and P&L segmentation. This wiki will focus on P&L segmentation. PaPM is an application that is installed on top of a BW server. It is taken care of by the PaPM team (Carl Zeng). BW data in ADSO that will serve as a datasource of the future SEGMENTED P&L application built on P&P tool.

Tool Leader + IT leader of the application:

Maple Hu	Project Manager - IT
Nathan Saunders	Project Manager - Business
Carl Zeng	IT FSL - Controlling & Assets Expert
Becky Jiang	IT FSL - Controlling & Assets Expert
Gavin Guo	IT FSL - Controlling & Assets Expert
Catarina Tomé	Business User
Tiago Costa	Key User
Andreia Ribeiro	Key User
Annamaria Gati	Key User
Rui Raposo	Key User
Ricardo Ribeiro	End User
Kasemvilas, Anon	BW Expert
Stellar Feng	IT FSL - Controlling & Assets Expert
Lara Alves	SBS MAC Costing Expert
Jeremy Beau	BW Expert
Benoit Croibier	BW Expert
Ludovic Depoix	BW Expert

Usage information

History

Created in 2022

Technical rules on Workbench

Rules & Explanations

The main subject the implementation of a “database” (BW ADSO) that will serve as a datasource of the future SEGMENTED P&L application built on P&L tool

The source of data will be the current BW P&L application.

For audit reason, the new Segmented P&L need to have Organisation structure freezed at the end of each month . Following the previous P&L CBS project we Will do “SnapShots” of P&L data in dedicated ADSO.

By storing organisational structures in Snapshot ADSO we will be able to provide the situation of SOLVAY at each end of month.

Those ADSO will not have to be emptied and recharged unless we will lose this historical vision.

Transaction Type (TP): This key information for Segmented P&L process in P&L is coming from BW COPA, but must be restated in a new TP in BW.

The restatement is based on a new specific (ZCOPA_TP_DERIV) derivation table, including the Manufacturing Plant in its key.

Consequently, this Manufacturing Plant has also to be defined in BW with the same Business rules already set up in the Model S BW solution (see below).

Nature of Data

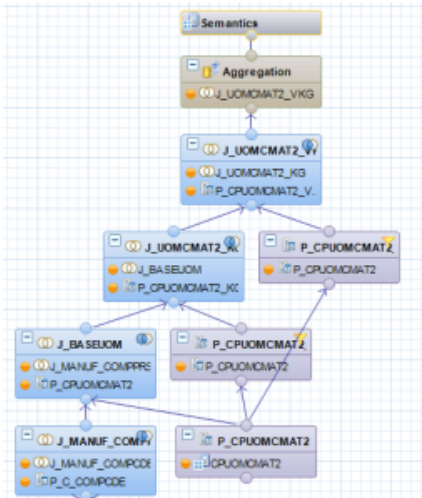
The source of data is P&L data at LEGAL view , standard costs (no IM costs) in Company Code Currency
Considering this need we can feed the new Database directly from P&L item items DSO

Only PF1 and WP1 is used by P&L Segmented P&L in first version (NON ERP , CICC and BFC are not take into account)

This application provides Sales quantities in KG and VKG based on Material master data conversion unit (as it is done in P&L Queries). The conversion is done at the moment of P&L loading.

This conversion is processed dynamically in both calculation views (CV_FMCO_COPA_PL_SNAPSHOT_P&L & CV_FMCO_COPA_PL_TP_TRTYPE)

using CPUOMCMAT2 DSO UOM Material conversion rates : (first conversion to material UOM, then to KG and VKG)



This application provides amount at P&L element (value field) +OCDE Activity (for PF1) and also store the BFC account at the moment of snapshot. We don't need to provide any KPI of P&L .

This application extracts all data of P&L (above and below REBIDTA)

Manufacturing Plant

In the Model S, the Manufacturing plant is defined either from the Batch attributes, either from the Material/Plant attributes (see the Production plant issued from corresponding Special Procurement Key) for WP1 or Profit center for PF1.

All those info have to send from BW to P&L where the Manufacturing Plant will be defined the same way it is already in the BW Model S solution.

Remark : manufacturing Plant could be a plant of another ERP. So we have to introduce the Source System of Manufacturing plant.

Up to now only PF1 data in BW are available at Batch level; on WP1 side, even if the Batch info is available in CO PA entries, it is not updated in BW.

Current P&L model in BW has been enhanced with the Batch for WP1 source.

NB: in order to ensure consistency of the whole P&L solution, the batch has also been added in the Integrated Margin objects (DSOs).

This Manufacturing plant determination is processed in the Calculation views (steps 4 and 7 of BW dataflow for P&L overview) with the following rules :

Manufacturing plant determination in Calculation views :

CV_FMCO_COPA_PL_SNAPSHOT_P&L

CV_FMCO_COPA_PL_TP_TRTYPE

If Yes in Batch MD

C_BATCH2__C_PRODPLA

For source system:

If Flag Cross System C_BATCH2__C_FLGCROS = X

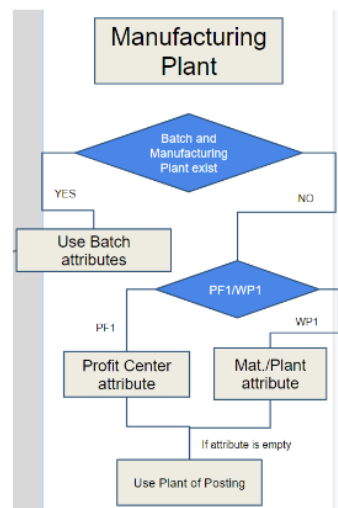
Then source system of manuf plant =

Cross Source System C_BATCH2__C_CROSSSYS

If not, take 0LOGSYS in snapshot dso (line item)

solvay:

OPROFIT_CTR__OPLANT



If NO -> srce system of manuf plant = 0LOGSYS of snapshot dso (line item)

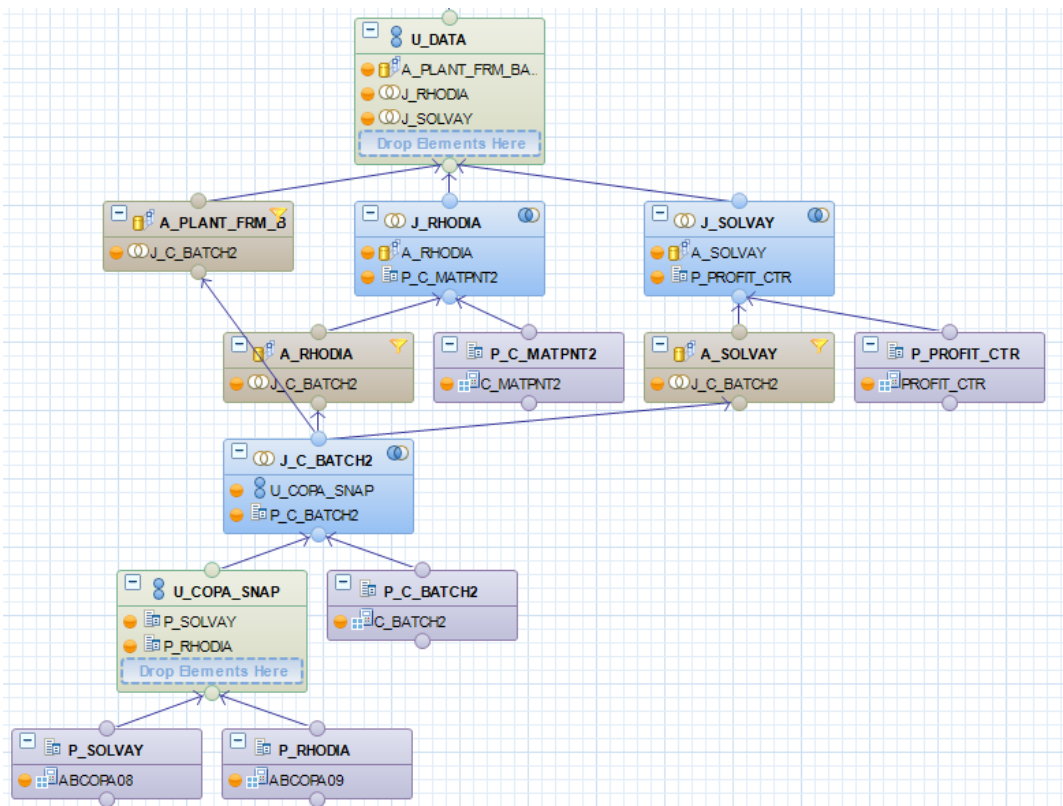
Rhodia:

C_MATPNT2__C_PRPLANT

special procurement key

This dynamic determination is implemented at the beginning of the 2 following calculation views :

CV_FMCO_COPA_PL_SNAPSHOT_P&L & CV_FMCO_COPA_PL_TP_TRTYPE



Transaction Type Enhancement

Both origin Transaction Type (TP) (see ZZWWE16 from WP1 / ZZWWTPPT from PF1) and restated TP are available in Snapshot ADSOs, but also in core P&L query Jump (no need to provide the restated TP in other P&L queries based on cubes)

By construction Enhanced TP from P&L ADSO could be different from P&L query Jump (GBU and Material division are dynamic)

The restated TP determination has to be automatic: whenever the derivation table is updated, restated TPs are in all entries (including past ones) in Snapshot ADSOs and in P&L query Jump.

ZCOPA_TP_DERIV derivation table is maintained in BW with a key allowing a join from ADSO Snapshot to get TP restated.

Example of data in restatement table ZCOPA_TP_DERIV:

Table: ZCOPA_TP_DERIV

EP	C_COMPPRS	CPFCTR1_2	C_PCOMPRS	DIVISION	LANDSCAPE	C_MATNR2	C_SOLIDID	COUNTRY	CALMONTH	C_PRODPLA	C_PLANT	C_TPTRTYP	C_TPTRTYP_RESTATED
0245	PE	0005	I3	SOLVAY					202108	TOSH	TOSH	DIST	DIST/MANUF
0245	PE	0005	I3	SOLVAY		000000000000035028	0000700071	BE	202109	TOSH	TOSH	DIST	DIST/MANUF
0245	SD	0005		SOLVAY				FR	202110	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0005		SOLVAY			0000700078		202109	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0005		SOLVAY		000000000000031851			202109	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0005	AA	SOLVAY		000000000000031851	0000700080	BE	202111	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY		000000000000030156	000058107	PT	202111	TOSA	7E6S	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY		000000000000030156	0000700074	BE	202110	TOSA	7E6S	DIST	DIST/MANUF
0245	SD	0005	AI	SOLVAY		0000000000000304301	0000700071	BE	202107	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	AO	SOLVAY		000000000000031867	0000700072	BE	202109	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	AO	SOLVAY		000000000000031874	0000700078	BE	202109	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	AY	SOLVAY		000000000000052773	0000700071	BE	202109	6068	6068	DIST	DIST/MANUF
0245	SD	0005	AY	SOLVAY		000000000000052773	0000700072	BE	202109	6068	6068	DIST	DIST/MANUF
0245	SD	0005	AY	SOLVAY		0000000000000198717	0000700077	BE	202109	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	AY	SOLVAY		0000000000000198717	0000700078	BE	202109	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	DC	SOLVAY		0000000000000200819	0000700074	BE	202107	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	S2	SOLVAY		000000000000032979	0000700078	BE	202109	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0270	AA	SOLVAY		0000000000000163590	0000400002	IT	202109	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0360	AI	SOLVAY		0000000000000304332	0000300011	JP	202107	6068	6068	DIST	DIST/MANUF
0245	SD	0366	AC	SOLVAY		000000000000030156	0004501535	TH	202109	TOSA	TOSA	MANUF	CUP_MANUF
0245	SD	0366	AC	SOLVAY		0000000000000160853	0004502057	TH	202109	TOSA	TOSA	MANUF	C+MANUF
0245	SD	4056	DC	SOLVAY		0000000000000304249	0001023420	DE	202109	TOSB	TOSB	MANUF	C+MANUF
0245	SD	4290	AO	SOLVAY		0000000000000202975	0002106495	US	202107	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	5686	AC	SOLVAY		000000000000030156	0003512297	AR	202109	TOSA	7E6S	DIST	DIST/MANUF
0245	SD	6078	AI	SOLVAY		0000000000000317049	0004023191	CN	202109	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	6080	DC	SOLVAY		0000000000000200819	0000171149	FR	202112	TOSB	TOSB	UNCLASS	Manuf for 3rd
0245	SD	6401	AO	SOLVAY		0000000000000304394	0002131526	US	202112	TOSB	TOSB	DIST	DIST/MANUF
5835	#	5876	D8	SOLVAY			0000321886	CN	202101	BLTA	BLTA	3RD	DIST/TOLL
5835	#	5876	D8	SOLVAY		0000000000000207577	0000321886	CN	202101	BLTA	BLTA	3RD	DIST 3RD/OM
5835	CB	#	#	SOLVAY	#		#	#	202101	#	#	#	CBS
5835	CM	#	#	SOLVAY	#		#	#	202101	#	#	#	GBU-SCES
5835	CS	#	#	SOLVAY	#		#	#	202101	#	#	#	DIST 3RD/OM
5835	NB	#	#	SOLVAY	#		#	#	202101	#	#	#	DIST 3RD/OM
5835	PE	#	#	SOLVAY	#		#	#	202101	#	#	#	DIST 3RD/OM
5835	SP	#		SOLVAY				DE	202101	AUA	8C6M	#	DIST 3RD/OM
5835	SP	#		SOLVAY			0000205043		202101	AUA	8C6M	#	DIST 3RD/OM
5835	SP	#		SOLVAY			0001030767	DE	202101	AUA	8C6M	#	DIST 3RD/OM
5835	SP	#		SOLVAY		000000000000064522	0000331129	SK	202101	CZ37	8C6M	#	DIST 3RD/OM

This table can be maintained in SM30 using transaction ZSEGPL (see below).

The view ZCOPA_TP_DERIV_V is based on the restatement table and displays descriptions for several fields.

The content of this parameter table is retrieved in the calculation views : CV_FMCO_COPA_PL_SNAPSHOT_PAPM & CV_FMCO_COPA_PL_TP_TRTYPE

Access to the table is done multiple times in the CV with different keys in order to allow several combination for TP restatement:

	1	2	3	4	5	6	7
MATERIAL Division	X	X		X	X		
Material	X	X		X			
Sold to party	X		X				
Sold Country	X	X	X			X	



Priority

For fields Division, Material, Sold to and Country :

- a specific value will match with the corresponding value in COPA data
- '#' will match with Unassigned values in COPA data
- a blank field will match with all values

For other fields:

- a specific value will match with the corresponding value in COPA data
- '#' and a blank field will match with Unassigned values in COPA data

Example of the first combination, with all fields filled in:

C_COMP...	CPFCTR1_2	C_PCOMPRS	DIVISION	LANDSCAPE	C_MATNR2	C_SOLDID	COUNTRY	CALMONTH	C_PRODPLA	C_PLANT	C_TPTRTYP	C_TPTRTYP_RESTATED
0245	SD	0366	AC	SOLVAY	000000000000030156	0004501535	TH	202109	TOSA	TOSA	MANUF	CUP_MANUF

Example of the third combination, with a defined value for Sold to Party and Country, and all values accepted for Material and Division:

C_COMP...	CPFCTR1_2	C_PCOMPRS	DIVISION	LANDSCAPE	C_MATNR2	C_SOLDID	COUNTRY	CALMONTH	C_PRODPLA	C_PLANT	C_TPTRTYP	C_TPTRTYP_RESTATED
5835	SP	#		SOLVAY		0001030767	DE	202101	AUA	8C6M	#	DIST 3RD/OM
5835	SP	5876		SOLVAY		0000321886	CN	202101	KAL	8C6M	#	C+MANUF

If an entry in the restatement table does not match any of the 7 predefined patterns, then it will be ignored and will not be applied.

Example:

C_COMP...	CPFCTR1_2	C_PCOMPRS	DIVISION	LANDSCAPE	C_MATNR2	C_SOLDID	COUNTRY	CALMONTH	C_PRODPLA	C_PLANT	C_TPTRTYP	C_TPTRTYP_RESTATED
0245	SD	0005		SOLVAY		0000700078		202109	TOSA	TOSA	DIST	DIST/MANUF

The combination with fields Division, Material and Country with blank values and Sold to Party filled with value is not supported. This entry will be ignored.

N.B.: The read priority of the restatement table is done in this combination order : pattern 1, then pattern 2 , then pattern 3,... then pattern 7.

If a COPA data can match several lines in the restatement table: then only the prior combination will apply (if it matches both pattern 2 and 6, then only pattern 2 will apply for TR Type restatement).

N.B.2: If no TP transaction type can be determined, it will be assigned the same value as the Transaction Type from the P&L COPA source data.

Please find [HERE](#) the test document for this calculation view detailing several case examples.

Snapshot Mechanism

Snapshots are done automatically each month on M-1 (for all the perimeter except a list of Authorization Scopes) and also can be done manually through the specific transaction ZSEGPL

In the Manual transaction user can select :

- a list of Companies or plants
- a range of Months
- a list of authorization Scope to exclude
- a list of Sold To

When user do a manual snapshot the program overwrites the perimeter of selection in Snapshot aDSO

The list of authorization Scope (attribute of Company code) take into account in the snapshot could change by users

A BW query based on Snapshot aDSO has been developed by PAPM team (Carl Zeng).

We have to feed the new snapshot aDSO since 2021 but the data must be stored for 10 years

BW specific transaction ZSEGPL for manual Snapshot gives also access to :

Input screen for Authorization scope exclusion

Input screen for TP derivation values

File path for TP Derivation table loading

See Detailed infos & Model sheets

ZSEGPL Main transaction

Segmented P&L - Main

Choose operation

1) Authorization Scope

☒ Authorization Scope

2) TP Derivative

☐ TP Derivative (Manual update)

☐ TP Derivative (Flat File)

3) Manual Snapshot

☐ Manual Snapshot

Uses program ZBW_SEGPL_MAIN: Main program of transaction ZSEGPL

ZSEGPL_AUT: Maintenance table for Authorization scope

Display View "COPA Snapshot - Authorization scope exclusion table": Ov

COPA Snapshot - Authorization...

Landscape	Authorizati...
RCS	OTHER
RCS	SOLVAY
SOLVAY	PETROCHEM

Allows to manually maintain data in table ZCOPA_SNPSHT_AUT.

This table contains the list of **Authorization scope to be excluded from snapshots**.

ZSEGPL_FIL: Import flat file for Restatement table

Segmented P&L - Import Flat File

Choose the file to load

File to load

Program ZBW_SEGPL_FILE : Called in transaction ZSEGPL to upload flat file for Restatment table

Here is an example of the expected file format: [BW Derivation Table Example 1.xlsx](#)

PRS Company code	GBU	PRS Partner Company	Material Division	Source Landscape (RCS/SOLVAY)	Material	Sold To Party	Sold To Party Country	Calendar Year/Month	Manufacturing Plant	Plant	Current TP Transaction Type	TP Restated
0245	SD	0005	AA	SOLVAY	31851	700080	BE	11.2021	TOSA	TOSA	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY	30156	58107	PT	11.2021	TOSA	7E6S	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY	30156	700074	BE	10.2021	TOSA	7E6S	DIST	DIST/MANUF
0245	SD	0005	AI	SOLVAY	304301	700071	BE	07.2021	TOSB	TOSB	DIST	DIST/MANUF

Key user in charge of flat file loading : **Tiago Costa**

Some Business rules are being checked before flat file data integration:

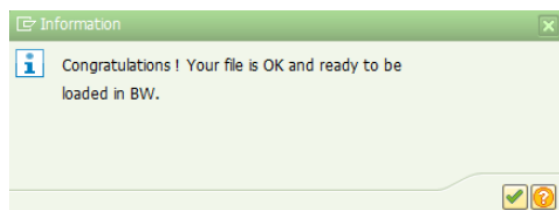
Business Rules for import of Flat File (red = requires Master Data lookup)	
Code in C_REJECT	Description of error
SEGPL_BR01	Duplicated entry
SEGPL_BR02	Company PRS incorrect or missing
SEGPL_BR03	Partner Company PRS incorrect or missing
SEGPL_BR04	GBU incorrect or missing
SEGPL_BR05	Material Division does not exist
SEGPL_BR06	Landscape incorrect or missing (Should be RCS or SOLVAY)
SEGPL_BR07	Material does not exist
SEGPL_BR08	Sold-to Party does not exist
SEGPL_BR09	Sold-to Party Country does not exist
SEGPL_BR10	Incorrect Calendar Month formatting (YYYYMM expected)
SEGPL_BR11	Origin Plant incorrect or missing
SEGPL_BR12	Plant incorrect or missing

In case of data quality rejection, all details are displayed in the transaction:

PRS	BF	PRS C	Di	Material	Sold-to party	Cou	Calendar Y	Manu	Plant	T	Rejection Code	Long description	
		TI		25772	2000472	ID					SEGPL_BR02	Company PRS incorrect or missing	
		TI		25772	2000472	ID					SEGPL_BR03	Partner Company PRS incorrect or missing	
		TI		25772	2000472	ID					SEGPL_BR04	GBU incorrect or missing	
		TI		25772	2000472	ID					SEGPL_BR06	Landscape incorrect or missing (RCS or SOLVAY expected)	
		TI		25772	2000472	ID					SEGPL_BR07	Material does not exist	
		TI		25772	2000472	ID					SEGPL_BR10	Incorrect Calendar Month formatting (YYYYMM expected)	
		TI		25772	2000472	ID					SEGPL_BR11	Origin Plant incorrect or missing	
		TI		25772	2000472	ID					SEGPL_BR12	Plant incorrect or missing	
		TI		25772	2000472	ID					SEGPL_BR13	Source Transaction Type incorrect or missing	
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	10.0720	7897	7897	F D	SEGPL_BR10	Incorrect Calendar Month formatting (YYYYMM expected)
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR01	Duplicated entry
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F Z	SEGPL_BR01	Duplicated entry
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F T	SEGPL_BR01	Duplicated entry
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F T	SEGPL_BR14	Target Transaction Type incorrect or missing
6062	CO	6062	TI	TESTKO	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR06	Landscape incorrect or missing (RCS or SOLVAY expected)
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	T D	SEGPL_BR13	Source Transaction Type incorrect or missing
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR12	Plant incorrect or missing
6062	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	TTKO	7897	F D	SEGPL_BR11	Origin Plant incorrect or missing
6062	CO	6062	TI	SOLVAY	25772	2000472	KO	07.2010	7897	7897	F D	SEGPL_BR09	Sold-to Party Country does not exist
6062	CO	6062	TI	SOLVAY	25772	TESTKO	ID	07.2010	7897	7897	F D	SEGPL_BR08	Sold-to Party does not exist
6062	CO	6062	TI	SOLVAY	TESTKO	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR07	Material does not exist
6062	CO	6062	XX	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR05	Material Division does not exist
6062	CO	TTKO	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR03	Partner Company PRS incorrect or missing
6062	KO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR04	GBU incorrect or missing
TTKO	CO	6062	TI	SOLVAY	25772	2000472	ID	07.2010	7897	7897	F D	SEGPL_BR02	Company PRS incorrect or missing
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR02	Company PRS incorrect or missing
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR07	Material does not exist
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR08	Sold-to Party does not exist
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR11	Origin Plant incorrect or missing
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR12	Plant incorrect or missing
TTKO	CO	6062	TI	SOLVAY	TESTKO	TESTKO	ID	07.2010	TTKO	TTKO	F T	SEGPL_BR14	Target Transaction Type incorrect or missing

In case of no data rejection, a success message pops up:

PRS...	B...	PRS...	Di...	Material	Sold-to party	Co...	Calenda...	Man...	Plant	TP	Transac	
0...	PE	0005	I3	SOLVAY			08.2021	TO...	TO...	DIST		DIST/MANUF
0245	PE	0005	I3	SOLVAY	35028	700071	BE	09.2021	TO...	TO...	DIST	DIST/MANUF
0245	SD	0005		SOLVAY			FR	10.2021	TO...	TO...	DIST	DIST/MANUF
0245	SD	0005		SOLVAY		700078		09.2021	TO...	TO...	DIST	DIST/MANUF
0245	SD	0005		SOLVAY	31851			09.2021	TO...	TO...	DIST	DIST/MANUF
0245	SD	0005	AA	SOLVAY	31851	700080	BE	11.2021	TO...	TO...	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY	30156	58107	PT	11.2021	TO...	7E6S	DIST	DIST/MANUF
0245	SD	0005	AC	SOLVAY	30156	700074	BE	10.2021	TO...	7E6S	DIST	DIST/MANUF
0245	SD	0005	AI	SOLVAY	304301	700071	BE	07.2021	TOSB	TOSB	DIST	DIST/MANUF
0245	SD	0005	AO	SOLVAY	31867	700072	BE	09.2021	TOSB	TOSB	DIST	DIST/MANUF



Tests examples are available [HERE](#).

ZSEGPL_SNP: Manual Snapshot

Segmented P&L - Manual Snapshot

Select Snapshot Perimeter

Calendar Month

to

Company Code

Plant

Sold-To Party

Note: Empty filters are ignored

Manual Snapshot

Update Filters

Take Snapshot

Exit

Uses program ZBW_SEGPL_SNP: Called in transaction ZSEGPL to trigger manual snapshot reload

The manual snapshot perimeter can be updated through this transaction.

Reload scope is stored in TVARV table with NAME field = Z_SEGPL_CALMONTH / Z_SEGPL_COMPCDE / Z_SEGPL_PLANT / Z_SEGPL_SOLDTO

These values are then used during manual snapshot : during the selective deletion of DSO ABCOPA08 & ABCOPA09 and in DTP executed filters.

Snapshot is then triggered by run the Process chain TD - T - Manual Snapshot PC_COPA_PL_48.

ZSEGPL_TPD: Manual Maintenance of Restatement table

Display View "View for ZCOPA_TP_DERIV": Overview

View for ZCOPA_TP_DERIV															
PR...	Company description	G. GBU descri...	Pa...	D. Division de...	Land...	Material	Material description	Sold-to Pa...	Sold-to Party description	C...	Coutry de...	Calend...	Ori...	Origin Plant description	Plant Plant description
0245	SOLVAY QUIMICA (ES)	SD SODA-ASH	4290	AO METALURGI	SOLVAY	202975		2106495	SOLVAY CHEMICALS, INC.	US	USA	07.2021	TOSB		TOSB SLVQ-ES /TORRELAV
0245	SOLVAY QUIMICA (ES)	SD SODA-ASH	5686	AC		SOLVAY	30156	SD	3512297		AR	ARGENTINA	09.2021	TOSA	7E6S SLVQ-ES /BERGE SAN
0245	SOLVAY QUIMICA (ES)	SD SODA-ASH	6078	AI		SOLVAY	317049		4023191		CN	CHINA	09.2021	TOSB	TOSB SLVQ-ES /TORRELAV
5955	SOLVAY SPECIALIT IN	SP SPECIALTY	#	#		SOLVAY	#	#		#		03.2021	#		#
7794	CYTEC INDUSTRIES NL	OG	#	IF SOD HYPO	RCS	69763	SODIUM HYPOPHOSPHI...	59650		BE	BELGIUM	07.2021	8035	7810/Zhangjiagang	8806
7794	CYTEC INDUSTRIES NL	OG	6260	IF SOD HYPO	RCS	139629	PP HLB060PF *S C500Sh...	62186	SOLVAY SOLUTIONS UK...	GB	UNITED KIN...	10.2021	8035	7810/Zhangjiagang	8806
7794	CYTEC INDUSTRIES NL	OG	7416	IF SOD HYPO	RCS	151235	PPA AT-6115 HS BK324	1015	MASCHINENBETRIEB DER	ES	SPAIN	08.2021	8035	7810/Zhangjiagang	8806
7794	CYTEC INDUSTRIES NL	TS TECHNOLO...	#	E0	RCS	143561	PVC PER0420100AB LHN...	60304		DE	GERMANY	09.2021	8373		8806
7794	CYTEC INDUSTRIES NL	TS TECHNOLO...	#	E0	RCS	170217	PVC XER4521543 LHN *J...	1139	PERSIANAS DEL NOROE...	IL	ISRAEL	07.2021	8373		8373 7752 Niagara Falls
7794	CYTEC INDUSTRIES NL	TS TECHNOLO...	#	E2	RCS	143463	PVC ER820W012AH *CH...	57232	BLANK ESSENCE T/A HO...	ES	SPAIN	09.2021	ZZZ		8565 7794 / Veembedrijf N

Reporting

Main queries

New Jump P&L Query BW_QRY_CPCOPA04_0001 (available from Main P&L Query BW_QRY_MVCOPA01_0001)

This new query is a copy of the original Jump Query BW_QRY_CPCOPA01_0001 with the new restated TP Type.

Dependencies with other applications

Data loadings

Info providers and objects loaded

▼ P&L Snapshot (Rhodia)	ABCOPA09
▼ TRSF: CPCOPA01 -> ABCOPA09 (Rhodia)	0MOVDV5R0NIZ2TELYDWVHQK7MYMVDVFN
▶ Profitability Analysis: COPA - CDSA Determination	CPCOPA01
▶ Data Transfer Processes	ABCOPA09
▼ P&L Snapshot (Solvay)	ABCOPA08
▼ TRSF: CPCOPA01 -> ABCOPA08 (Solvay)	0PGEZJJZML6DEE5FQASTVB AIR7X4AJHK
▶ Profitability Analysis: COPA - CDSA Determination	CPCOPA01
▶ Data Transfer Processes	ABCOPA08

Loading frequency

Monthly process chain : **PC_COPA_PL_47** (TD - M - CPCOPA01 Snapshots) : Scheduled every month on the 4th working day at 10am

Variant	START_PC_COPA_PL_47	Starter for PC_COPA_PL_47
Last Changed By	FF_BWDEV3_T2	Changed On 17.06.2022 At 10:41:29

Start Time

Workday/time

Factory calendar BE

Workday 4

Time 10:00:00

Do not execute before 18.06.2022

Workday relative to

☒ Start of Month

☐ End of month

Period

Months 1

Manual snapshot Process chain : **PC_COPA_PL_48** (TD - T - Manual Snapshot) : triggered using ZSEGPL transaction

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	< 5 min
~ Average nb of rows loaded per load	ADSO ABCOPA08 : ~150K ADSO ABCOPA09: ~120K

Data Quality Control

Operational Documentation

Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime/data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

Error Handling

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

Known Bugs

Several issues have been encountered during the Project phase.

All have been either explained or corrected.

All informations are available in the [Issue List in BW Part Document](#)

Roadmap