

# Sales Revenue Forecast

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## Objective

The objective is to deliver a Sales Costs query with Forecast prices in the next periods.

This query is used with Qlik in transparency Dashboards.

Sales data are coming from BW objects Dynasys or Picaso (No more Order Book since May 2024).

## Roles & Access

### Roles and 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_M84	Forward Looking ICM - Sales	Role Menu

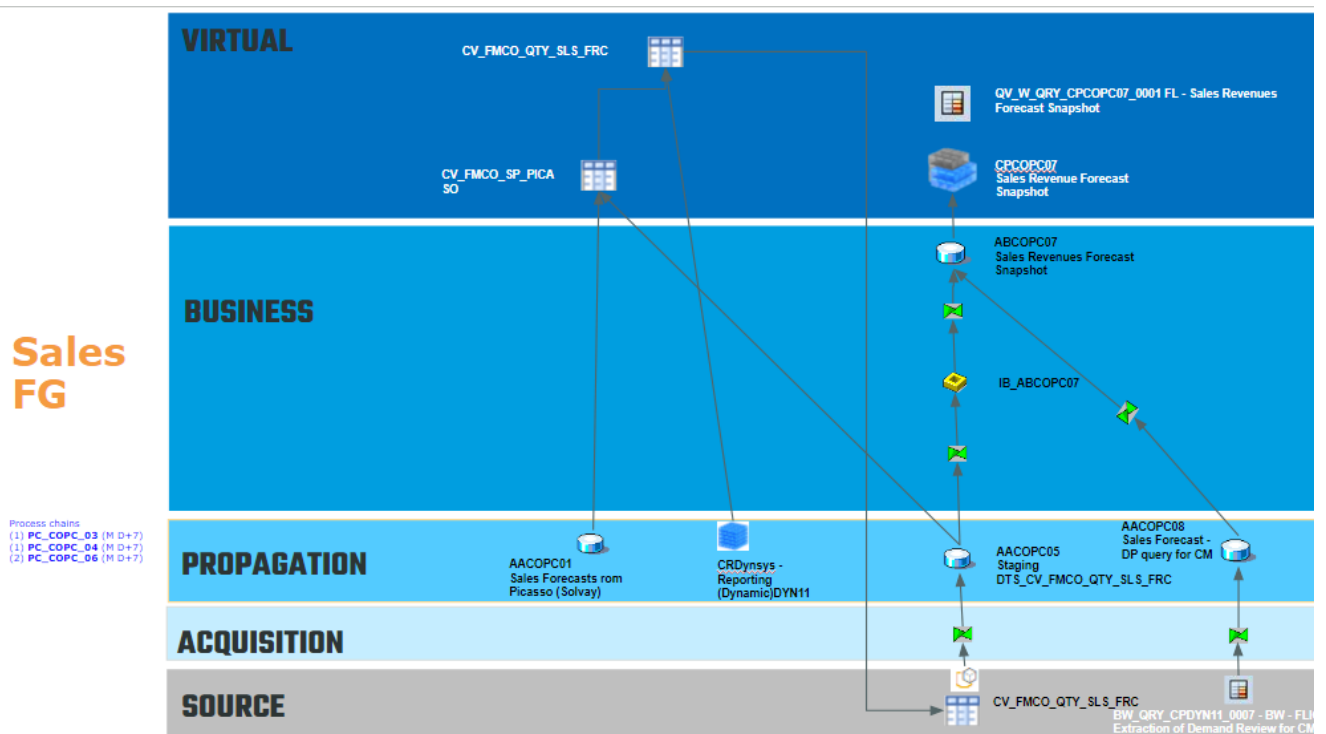
ZBI_RCS_CO_A04	Forward Looking ICM - Sales	Authorization objects

## Authorization variables

List of authorization variables mandatory for the application.

Authorization variables	Object
V_CPFCTR1_2_0006	CPFCTR1_2
V_C_PLANT_0012	C_PLANT
V_C_AUTHMA_0001	C_PLANT__C_AUTHMA

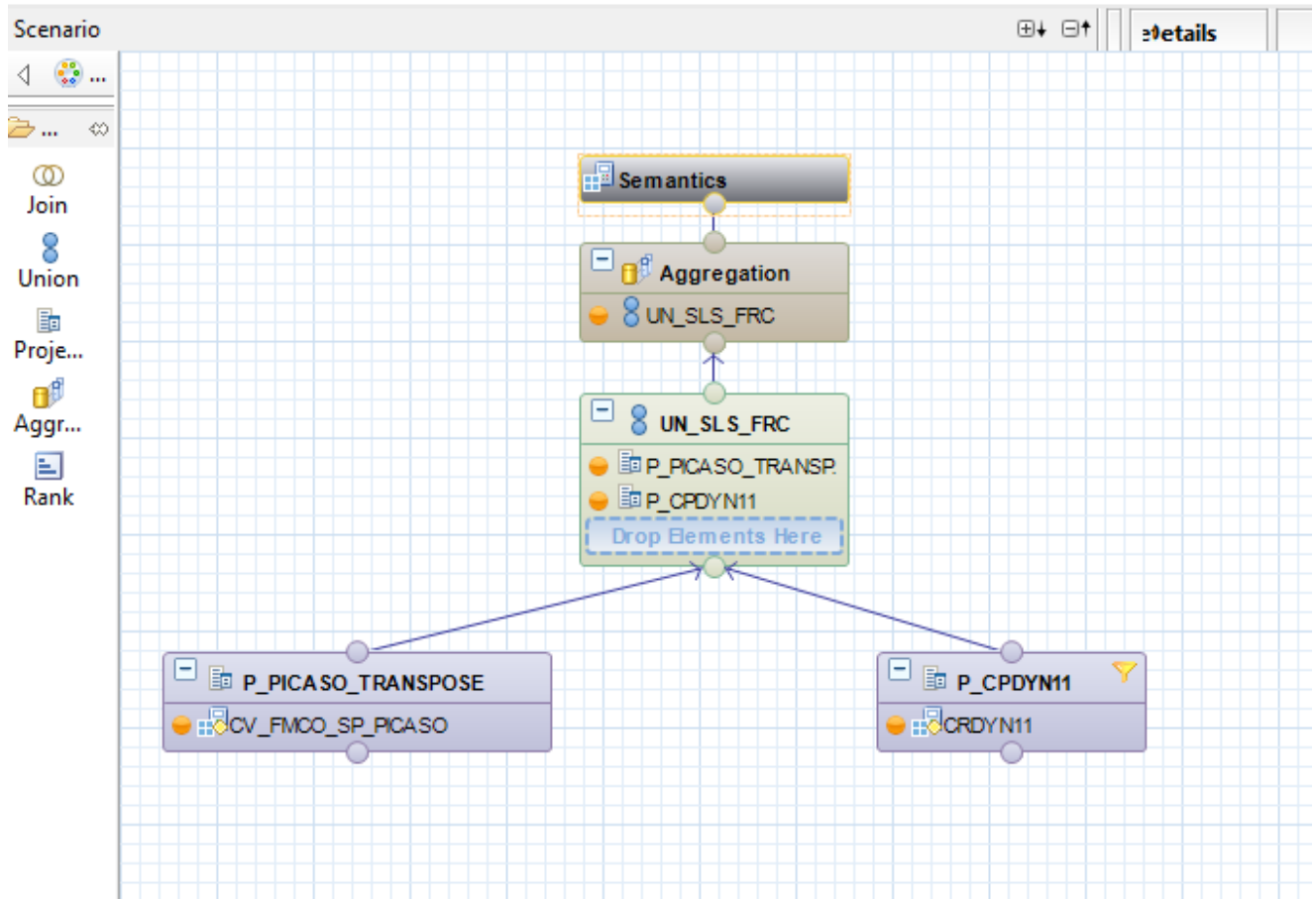
## Dataflow overview



## Source Layer

As showed in the data flow above the data source is a Main Calculation View CV\_FMCO\_QTY\_SLS\_FRC.

## Solvay.IA\_FMCO.IA\_FMCO\_COPC::CV\_FMCO\_QTY\_SLS\_FRC WBD@WBD (GRAN7967)



PICASO data is coming from view CV\_FMCO\_SP\_PICASO detailed below (Projection P\_PICASO\_TRANSPOSE).

DYNASYS data is directly extracted from Infoprovider CRDYN11 (Projection P\_CRDYN11).

Forecast quantity is the **Constrained Forecast**

It is populated with source field **K\_DYN\_034** (Final Forecast ETD) for GBUs Aroma (PA), Novocare (CS), and Technology Solutions (TS)

It is populated with source field **K\_CONFOR** (Constrained Forecast) for all other GBUs

Another quantity field is the **Unconstrained Forecast** :

It is populated with source field **K\_DYN\_061** (Demand Review Quantity (ETD) for GBU Novocare (CS) - (Field K\_DYBUD (Budget) before December 17th 2024)

It is populated with source field **K\_DYN\_044** (Sales Team Forecast ETD) for all other GBUs

**Net Price** from DYNASYS is :

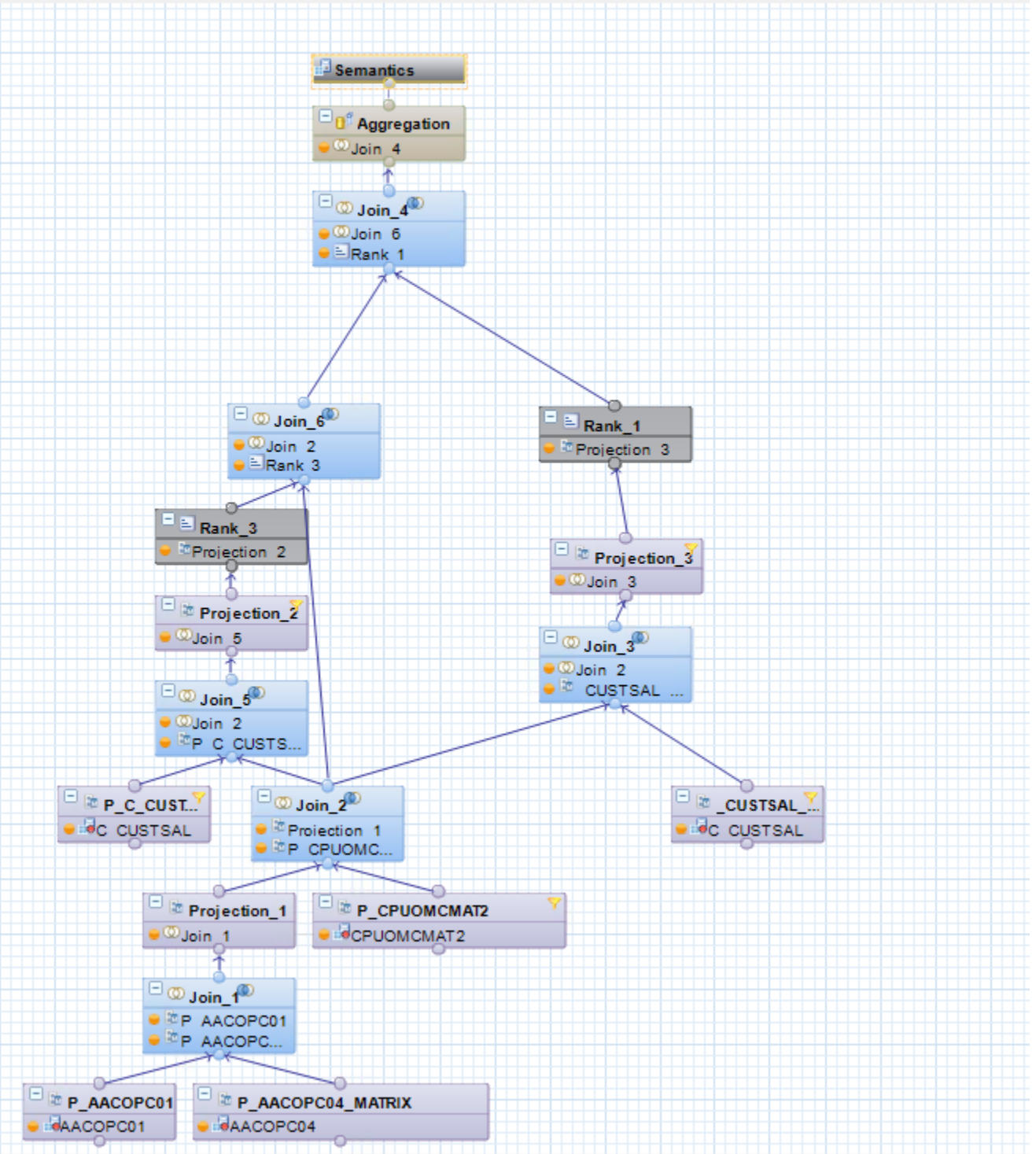
The **Sales Price [K\_SALPEKG]** in **Local currency [0LOC\_CURRCY]** to convert in EUR, for GBUs Aroma (PA), and Technology Solutions (TS)

~~The **Budget Price EUR/KG** ("Budget Net Sales" [K\_BUDEUR] / "Budget qty in KG" [K\_DYBUD]) in EUR, for GBU Novocare (CS) (Deleted since December 2024)~~

Below are the Calculation Views that make up the Main Calculation View CV\_FMCO\_QTY\_SLS\_FRC:

# ⚠ Solvay.IA\_FMCO.IA\_FMCO\_COPC::CV\_FMCO\_SP\_PICASO

## Scenario



## Dependencies with other applications

There is dependency on the following data flows.

Forecast sources :

DYNASYS - Reporting (Dynamic) : **CRDYN11**

Sales Forecasts from Picaso (Solvay) : **AACOPC01** and **AACOPC04**

DYN - Demand Planning AERO (Composite Materials) : **CPDYN11**

Price Conditions :

Price Records Extraction Table (Solvay) : **AACOPC02**

Price Records Extraction Table (Rhodia) : **AACOPC03**

Sales Unit Price Forecast : **APCOPC03**

Source table from SAP is **ZSD\_ICM\_PRICING** and is refreshed once a day in each system PF1 and WP1.

PE1:

The program scheduled for refresh is **Z1V\_PRICE\_COND\_RECORDS\_LIST** with variant **SPP\_PCCU**, which is submitting the extraction program **Z1V\_PRICE\_COND\_SELECT\_SCREEN** with variant **PCCU\_SPP** (current year of validity).

**Display the price condition records and scales**

Condition type: PCCU

Layout: [Empty field]

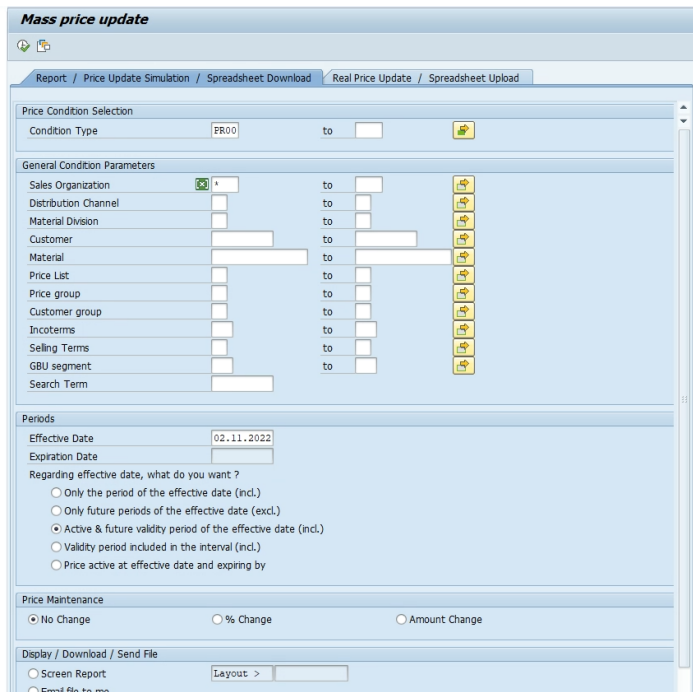
Extract to table

Variant Name: PCCU\_SPP

Flush Table

WP1:

The program scheduled for refresh is **ZWOCT03400** with variant **ICM\_PRICE**.



Alternative Units of measure for quantity conversion :

GENERATED DATASTORE OBJECT (UNITS OF MEASURE): **UOMCMAT2**

**Important** : The generated DSO units of measure **UOMCMAT2** must be properly populated in the BW system, otherwise the Sales data loading will last hours, trying to access the Database for each CPC unit to convert.

This DSO is deleted and fully loaded daily, with Process Chain PC\_UOMC\_MAT\_2.

## Acquisition Layer

Data Loading:

Price Conditions are populated from PICASO and DYNASYS Datasources.

### Infoprovider AACOPC02: Price Records Extraction Table (Solvay)

Datasource DTS\_ZBW\_ICM\_PRICING built on table ZSD\_ICM\_PRICING from PF1 source system.

### Infoprovider AACOPC03: Price Records Extraction Table (Rhodia)

Datasource DTS\_ZBW\_ICM\_PRICING built on table ZSD\_ICM\_PRICING from WP1 source system.

### Infoprovider AACOPC01: Sales Forecasts from Picaso (Solvay)

Datasource DTS\_ZBW\_PICASO\_PIR built on table Z1C\_PICASO\_PIR from PF1 source system.

Price Records Extraction Table (Rhodia)	AACOPC03	Manage
TRSF: DTS_ZBW_ICM_PRICING (WP1_ODP) -> AACOPC03	0J25YCKPKVRRXRY170HPOZI62ZTQJGB	Change
Price Records Extraction Table	DTS_ZBW_ICM_PRICING	Change DataSources WP1_OD
Data Transfer Processes	AACOPC03	Create Data Trans
Data Flow Upwards	_DATAFLOW_UPWARDS	
Price Records Extraction Table (Solvay)	AACOPC02	Manage
RSDS DTS_ZBW_ICM_PRICING PF1ODPC020 -> ADSO AACOPC02	076SXJNCM1ETDYQTENULC6M9MR7P7MH	Change
Price Records Extraction Table	DTS_ZBW_ICM_PRICING	Change DataSources PF1ODPC
Data Transfer Processes	AACOPC02	Create Data Trans
Data Flow Upwards	_DATAFLOW_UPWARDS	
Sales Forecasts from Picaso (Solvay)	AACOPC01	Manage
RSDS DTS_ZBW_PICASO_PIR PF1ODPC020 -> ADSO AACOPC01	0FD6FCD51OZU8077II9DLFI9HUW8XKT	Change
Sales Forecasts from Picaso	DTS_ZBW_PICASO_PIR	Change DataSources PF1ODPC
Data Transfer Processes	AACOPC01	Create Data Trans

Sales Forecast are populated from PICASO, DYNASYS and ORDERBOOK .

**Infoprovider AACOPC05: Staging DTS\_CV\_FMCO\_QTY\_SLS\_FRC**

Datasource DTS\_CV\_FMCO\_QTY\_SLS\_FRC built on Calculation View CV\_FMCO\_QTY\_SLS\_FRC from HANA.

Staging DTS_CV_FMCO_QTY_SLS_FRC	AACOPC05	Manage	
RSDS DTS_CV_FMCO_QTY_SLS_FRC WBP_HANAIV	0MW0KUE9LN2CI4K5...	Change	
CV_FMCO_QTY_SLS_FRC	DTS_CV_FMCO_QTY_...	Change	DataSources WBP_HANAIV
Data Transfer Processes	AACOPC05	Create Data Tran...	

Sales Forecast for Composite Materials\_GBU are populated from query "BW - FLICM Extraction of Demand Review for CM" (BW\_QRY\_CPDYN11\_0007 (copy of BW\_QRY\_CPDYN11\_0006)) .

**Infoprovider AACOPC08: Sales Forecast - DP query for CM**

Query BW\_QRY\_CPDYN11\_0007

Sales Forecast - DP query for CM	AACOPC08	Manage	InfoProvide
TRSF: BW_QRY_CPDYN11_0007 -> AACOPC08	0A9FGEN0DPZSEGTXWJ547EEVYKDB4PZ	Change	
BW - FLICM Extraction of Demand Review for CM	BW_QRY_CPDYN11_0007	Change	
Data Transfer Processes	AACOPC08	Create Data Trans	

This source query is plugged directly to DYNASYS objects.

The extraction is done with a conversion in USD (CAR4, Calendar Month of each line as conversion date)

Fix from March 2025 : Conversion in USD replaces the conversion in EUR which was using inconsistent Fx rates from Dynasys.

## Loading frequency

Daily

## Propagation Layer

Data Loading:

Price Conditions sources are merged in Propagation layer.

**Infoprovider APCOPC03: Sales Unit Price Forecast**

Source currencies are converted to EUR.

Sales Unit Price Forecast	APCOPC03	Manage	
TRSF: AACOPC02 (Solvay) -> APCOPC03	0DF90LRMMEL2HXNUL73NLDHD2WM2H3W1	Change	
Price Records Extraction Table (Solvay)	AACOPC02	Manage	InfoProviders
TRSF: AACOPC03 (Rhodia) -> APCOPC03	06DF0R7I7DS50H9JVG55EFZMATPYB3E	Change	
Price Records Extraction Table (Rhodia)	AACOPC03	Manage	InfoProviders
Data Transfer Processes	APCOPC03	Create Data Trans	

## Currency Conversion

Prices are converted from original currency to EUR by calling successively the 2 Function Modules below :

- BAPI\_CURRENCY\_CONV\_TO\_INTERNAL : To switch source value in internal format for specific currencies (KRW, IDR...)
  - Specific currencies are identified with less than 2 decimals in table TCURX
- CONVERT\_TO\_LOCAL\_CURRENCY : To convert above result in EUR
  - Currency translation date used is the current date of loading

The date used for currency conversion is based on Global Filter Master Data parameter MONTH\_DATE :

Table: /BIC/PC\_GLBFLT

/BIC/C_STREAM	/BIC/C_RULE	/BIC/C_GLBFLT	OBJVERS	CHANGED	/BIC/C_DESC	/BIC/C_SIGN	/BIC/C_OPTION	/BIC/C_LOW	/BIC/C_HIGH	/BIC/C_ACTIVE
FMCO_COPC	MONTH_DATE	000	A		FL-ICM Shift month for Currency Conversion date	I	EQ	-1		Y

The LOW value is used to shift the actual date of loading to the number of months specified.

Here the current date June 12th 2023 will become May 12th 2023 as the conversion date to use.

## Loading frequency

Daily

## Business Layer

Data Loading:

### Infoprotider ABCOPC07:

Object Name	Object ID	Action	Info Provider
Sales Revenues Forecast Snapshot	ABCOPC07	Manage	
ADSO AACOPC08 -> ADSO ABCOPC07	0JA42C6SU3JV803GAK6TSHHUWHM64GOQ	Change	
Sales Forecast - DP query for CM	AACOPC08	Manage	InfoProviders
TRSF: BW_QRY_CPDYN11_0007 -> AACOPC08	0A9FGEN0DPZSEGTXWJ547EEVYLKDB4PZ	Change	
BW - FLICM Extraction of Demand Review for CM	BW_QRY_CPDYN11_0007	Change	
Data Transfer Processes	AACOPC08	Create Data Trans	
TRSF: IB_ABCOPC07 -> ABCOPC07	07K2TUG03H5WJ189W705G3KAN5S6F51G	Change	
DTS_CV_FMCO_QTY_SLS_FRC -> ABCOPC07	IB_ABCOPC07	Change	InfoSources
TRSF: AACOPC05 -> IB_ABCOPC07	05JERJCJ5SOLRLT8M15YPL7OA62RSA07	Change	
Staging DTS_CV_FMCO_QTY_SLS_FRC	AACOPC05	Manage	InfoProviders
RSDS DTS_CV_FMCO_QTY_SLS_FRC WBP_HANAIV -> ADSO AACOPC05	0MW0KUE9LN2CI4K5VEWCA9AIAKXBCCV	Change	
CV_FMCO_QTY_SLS_FRC	DTS_CV_FMCO_QTY_SLS_FRC	Change	DataSources, WBP_HANA
Data Transfer Processes	AACOPC05	Create Data Trans	
Data Transfer Processes	ABCOPC07	Create Data Trans	

Logic to retrieve the Sales Forecast Price:

## Specific Routines

The logic detailed above takes place in the respective Transformations below :

- TRSF: AACOPC05 -> IB\_ABCOPC07

**Update from May 2024 :** The AMDP routine below has been deleted because the Invoice price is not used anymore from BW in the Transparency Dashboard.

*AMDP End Routine :* To look for the last invoice according to CPC

*Warning :* If the structure of the Infosource IB\_ABCOPC07 is enhanced, the AMDP code must be adapted accordingly in the OUTTAB2 Select.

- TRSF: IB\_ABCOPC07 -> ABCOPC07  
ABAP Start and End Routines : To look for Price Conditions according to CPC

## Currency Conversion

Prices are converted from original currency to EUR by calling successively the 2 Function Modules below :

- BAPI\_CURRENCY\_CONV\_TO\_INTERNAL : To switch source value in internal format for specific currencies (KRW, IDR...)
  - Specific currencies are identified with less than 2 decimals in table TCURX
- CONVERT\_TO\_LOCAL\_CURRENCY : To convert above result in EUR
  - Currency translation date used is the current date of loading

The date used for currency conversion is based on Global Filter Master Data parameter MONTH\_DATE :

Table: /BIC/PC\_GLBFLT

/BIC/C_STREAM	/BIC/C_RULE	/BIC/C_GLBFLT	OBJVERS	CHANGED	/BIC/C_DESC	/BIC/C_SIGN	/BIC/C_OPTION	/BIC/C_LOW	/BIC/C_HIGH	/BIC/C_ACTIVE
FMCO_COPC	MONTH_DATE	000	A		FL-ICM Shift month for Currency Conversion date	I	EQ	-1		Y

The LOW value is used to shift the actual date of loading to the number of months specified.

Here the current date June 12th 2023 will become May 12th 2023 as the conversion date to use.

## Loading frequency

Daily

## Virtual Layer

### Composite Providers

CPCOPC07

▼ Sales Revenues Forecast Snapshot	CPCOPC07	☰	Change	
▼ Sales Revenues Forecast Snapshot	ABCOPC07	☰	Manage	InfoProviders
> TRSF: IB_ABCOPC07 -> ABCOPC07	07K2TUG03H5WJ189...	☰	Change	
> Data Transfer Processes	ABCOPC07		Create Data Tran...	

## Reporting (BW Query for Qlik)

Description	Sales Revenues Forecast Snapshot
Technical Name	QV_BW_QRY_CPCOPC07_0001
Application	COPC
Info-provider	CPCOPC07
Usage type	Qlik Source
Expected users	

Global properties

**General**

Technical Name: QV\_BW\_QRY\_CPCOPC07\_0001

Description: FL-Sales Revenues Forecast Snapshot

InfoProvider: CPCOPC07

Key Date: <default> Edit...

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**Output Settings**

Adjust Formatting after Refreshing

Suppress Repeated Key Values

Show Scaling for Measures

Sign Format: Before, for example -1

Zero Format: With Currency/Unit

Custom Zero Format:

**Remote Access**

By Easy Query

By OLE DB for OLAP

By OData

External SAP HANA View

**Variables Order**

**Extended**

---

**Result Location**

Rows:  Above  Below  
 Columns:  Left  Right

**Zero Suppression**

Applies to:  Rows  Columns

Condition: Only result value must be zero

---

**Universal Display Hierarchy**

Active on rows  
 Expand to Level: 0

Active on columns  
 Expand to Level: 0

**Planning**

## Variables

### Definitions

Variable Name	Info-object	Selection Type	Required	Description /Explanation
V_C_AUTHMA_0001	C_AUTHMA	Authorization	No	Authorization Scope
V_C_PLANT_0012	C_PLANT	Authorization with Input	No	Plant
V_CPFCTR1_2_0006	CPFCTR1_2	Authorization with Input	No	GBU
V_0CALMONTH_0059	0CALMONTH	Interval	No	Forecast Month
V_0CALMONTH_0062	C_RUNPER	Interval	No	Run Period

### Variable Sequence

**Variables Order**

**Variables**

- [V\_0CALMONTH\_0062] Running Period
- [V\_0CALMONTH\_0059] Forecast Month
- [V\_C\_PLANT\_0012] Plant (Authorization with input select option)
- [V\_CPFCTR1\_2\_0006] GBU (Select Optional, Optional, Auth)

## Filters

Filter: Fixed Values

- ▼ [C\_RUNPER] Run Period (Calendar Year Month)
  - ▼ [V\_0CALMONTH\_0062] Running Period
- ▼ [0CALMONTH] Forecast Month
  - ▼ [V\_0CALMONTH\_0059] Forecast Month
- ▼ [C\_PLANT\_C\_AUTHMA] Authorization Scope
  - ▼ [V\_C\_AUTHMA\_0001] Authorization Scope (Authorization, No input)
- ▼ [0LOGSYS] Source System
- ▼ [C\_PLANT] Plant
  - ▼ [V\_C\_PLANT\_0012] Plant (Authorization with input select option)
- ▼ [CPFCTR1\_2] BFC Global Business Unit
  - ▼ [V\_CPFCTR1\_2\_0006] GBU (Select Optional, Optional, Auth)

## Key figures

Columns

- ▼ Key Figures
  - ▼ [BW\_CKF\_CPCOPC07\_0001] Amount
  - ▼ [BW\_CKF\_CPCOPC07\_0002] Net price
  - ▼ [BW\_CKF\_CPCOPC07\_0003] Quantity
  - ▼ [K\_NETVAL] Unconstrained Amount
  - ▼ [K\_MGBTR] Unconstrained Quantity
  - ▼ [K\_TGTAME] Net Price in €/OUoM
  - ▼ [K\_TKG001] Net Price in OC/OUoM
  - ▼ [K\_TKG002] Net Price in OC/VKG
  - ▼ [K\_UPSIDEQ] Upside Quantity
  - ▼ [K\_UPSIDEA] Upside Forecast Amount (€)

### Formula: BW\_CKF\_CPCOPC07\_0001 - Amount in DC

Formula

Formula:

'K\_AMNTDC'

### Formula: BW\_CKF\_CPCOPC07\_0002 - Net price

Formula

Formula:

'ONET\_PRICE'

**General**

Technical Name: BW\_CKF\_CPCOPC07\_0002

Description:

InfoProvider: CPCOPC07

**Properties**

General  Aggregation  Conversion  Calculations

**Exception Aggregation**

Exception Aggregation:

**Reference Characteristics**

One reference characteristic can be specified

[C\_ITM\_SD] Sales document item
























### **Formula: BW\_CKF\_CPCOPC07\_0003 - Quantity**

#### **Formula**

Formula:
















Characteristics

## Rows

-  [0LOGSYS] Source System
-  [CPFCTR1\_2] BFC Global Business Unit
-  [C\_PLANT] Plant
-  [C\_MATNR2] Material
-  [C\_SHIPTID] Ship-to party (Core)
-  [CPFCTR2\_2] BFC Group of activities
-  [C\_MAGNITU] BFC Activity
- ▼  [C\_SALEMP] Sales Rep
  -  [C\_SALEMPD] Sales Rep Name
  -  [0TCTEMAIL] Sales Rep email
  -  [C\_MATNR2\_C\_FMPRD] Product Family Code
  -  [C\_SHIPKA] Ship-to KA
  -  [C\_ENTSEG2] Enterprise Segment
  -  [C\_GBUZONE\_C\_ZONEH1] Ship-to GBU zone 1
  -  [C\_GBUZONE\_C\_ZONEH2] Ship-to GBU zone 2
  -  [C\_DYN\_087] Customer Group
  -  [C\_KOTABN] Condition Table
  -  [C\_KSCHL] Condition Ttype
  -  [C\_STOFLAG] Ship/Sold-to Flag
  -  [0DATEFROM] Condition Start Date
  -  [0DATETO] Condition End Date
  -  [0CURRENCY] Original Currency
  -  [0BASE\_UOM] Original Unit of Measure

Free

- [C\_RUNPER] Run Period (Calendar Year Month)
- [C\_ITM\_SD] Sales document item
- [C\_DOCNUMB] Sales document
- [C\_SOURCE] Loading Source
- [0CALMONTH] Forecast Month
- [C\_SOLDID] Sold-to party
- [C\_DISTCHN] Distribution Channel
- [C\_SAL\_ORG] Sales Organization
- [0PROD\_HIER] Product hierarchy
- [C\_PROD] Commercial Product / Material Group
- [C\_INCOTRM] Incoterms part (Core) - Order Book
- [C\_FLGINT] Intercompany Flag
- [C\_DIVISN] Division
- [C\_SAL\_OFF] Sales Office
- [C\_Y3PARTN] Consignee
- [C\_SHIPCD2] Shipping conditions (core)
- [C\_PRICELT] Price list type
- [C\_FORMTH] Forecast Month - PICASO
- [C\_INCDYNR] Incoterm Dyn. Rhodia
- [C\_INCDYNS] Incoterm Dyn. Solvay
- [0COUNTRY] Country key (from plant)
- [C\_SHTCTRY] Ship to country
- [0MATL\_GROUP] DCF / Material group
- [4CPCOPC07-C\_SALEMP\_1] Sales Office (sold to - picaso)
- [4CPCOPC07-C\_DIVISN\_0] Division (ship to - picaso)
- [4CPCOPC07-C DIVISN 1] Division (sold to - picaso)
- [4CPCOPC07-C\_SAL\_ORG\_0] Sales Organization (ship to - picaso)
- [4CPCOPC07-C\_SAL\_ORG\_1] Sales Organization (sold to - picaso)
- [4CPCOPC07-INCOTERMS\_0] Incoterms part (ship to - picaso)
- [4CPCOPC07-INCOTERMS\_1] Incoterms part (sold to - picaso)
- [4CPCOPC07-C\_SALEMP\_0] Sales Office (ship to - picaso)
- [4CPCOPC07-C\_PRICELT\_0] Price list (ship to - picaso)
- [4CPCOPC07-C\_PRICELT\_1] Price list (sold to - picaso)
- [C\_VALCOMP] Value Component
- [C\_MANPLNT] Manufacturing Plant
- [C\_FLAG] Condition with Scales
- [C\_KNUMV] Condition Number
- [0DOC\_CURRCY] Currency
- [0UNIT] Unit of measure

-  [0UNIT] Unit of measure
-  [C\_FORCUST] Forecast Customer
-  [C\_SPECIDM] Main Specification ID
-  [C\_PROGID] Aero-Program
-  [C\_MARKET] Aero-Market
-  [C\_SALREG] Sales Region
-  [C\_RESNAM] Resin Name
-  [C\_GBR14] GBR End-Use (Ship-to)
-  [C\_GBR14\_C\_GBR1] GBR End-Use (Application)
-  [C\_GBR14\_C\_GBR2] GBR End-Use (Market)
-  [C\_GBR14\_C\_GBR3] GBR End-Use (Segment)
-  [C\_GBR14\_C\_GBR4] GBR: GBU End-Use
-  [C\_GBR18\_C\_GBR19] GBR GBU Material Group
-  [C\_GBR18\_C\_GBR20] GBR GBU Material Sub-group
-  [C\_LSFID] Quote ID

## Cells

N/A

## Conditions

N/A

## Exceptions

N/A

# Reporting (BW Queries for Analysis)

For Sales analysis purposes in BW, the Workbook **BW\_WBK\_FL\_SAP\_COND** is created with a tab for each query below :

### **BW\_QRY\_APCOPC03\_0001** SAP Price Conditions in EUR

Built on ADSO **APCOPC03** in the Propagation layer.

This query gives the full structure of Price Conditions extracted from both SAP systems PF1 and WP1.

Condition amounts are converted in EUR, but condition units are the original ones.

Sources of this ADSO are ADSO **AACOPC02** and ADSO **AACOPC03**.

### **BW\_QRY\_AACOPC02\_0001** SAP Price Conditions Solvay

Built on ADSO **AACOPC02** in the Acquisition layer.

This query gives the condition amount in the original currency, extracted from SAP system PF1.

The source is a SAP specific table **ZSD\_ICM\_PRICING** on the PF1 system.

### **BW\_QRY\_AACOPC03\_0001** SAP Price Conditions Rhodia

Built on ADSO **AACOPC03** in the Acquisition layer.

This query gives the condition amount in the original currency, extracted from SAP system WP1.

The source is a SAP specific table **ZSD\_ICM\_PRICING** on the WP1 system.

The Workbook must be manually refreshed, with an accurate selection in each query part, to reduce the volume of data displayed.

Selection variables can not be merged between the 3 queries, since the objects are not the same in the corresponding ADSO, due to a different BW layer (Infoobjects vs Fields).

## Prompt selections

The workbook is not refreshed by default on opening, in order to prompt the 3 Datasources independently if needed.

It is a very time consuming process to display the SAP Price Conditions of a global Run (around 300.000 records for active conditions only).

Running period and active ranges are filled by default, but you must use additional selections to restrict the scope, and get a result in a reasonable time.

In the global prompt (all Datasources), you will see 3 blocks (one for each Datasource) with the relevant selections for each.

Selection variables can not be merged for these Datasources, since objects in query are not the same (Fields vs Infoobjects).

Therefore, you should repeat same selections for each Datasource in each relevant block.

Running Period = Monthly Snapshot of the SAP Price Conditions.

Month from = Always use to the Running Period, to exclude conditions not active yet.

Month to = Always use to the Running Period, to exclude conditions not active anymore.

The screenshot shows the SAP Prompt Selections interface. At the top, there is a 'Prompts' section with a 'Use Variant' dropdown and a search bar. Below this, the 'Prompt Summary' is visible, showing a search for variables. The main area is titled 'Specify Value for Prompts' and displays a list of variables for the query '[BW\_QRY\_APCOPC03\_0001] SAP Price Conditions'. The variables and their values are as follows:

Variable	Value
[V_OCALMONTH_0062] Running Period	01.2023
[V_CALMONTH_0001] Month from	<= 202301
[V_CALMONTH_0002] Month to	>= 202301
[V_LOGSYS_0003] Source System	
[V_CONDREC_0001] Condition Record Nbr	
[V_C_PLANT_0012] Plant (Authorization with input se...	
[V_C_MATNR2_0001] Material (Select option, Optional)	
[V_CUSTID_0001] Customer (Selection Option, Optio...	
[V_SHIPID_0001] Ship to party (Selection option, Opti...	
[V_SOLDTO_0001] Sold-to party (Selection option, O...	
[V_KSCHL_0001] Condition Type (Selection option, O...	
[V_KOTABN_0001] Condition Table (Selection option, ...	
[VDISTR_CHAN] Distr.Channel (Optional, selection op...	

Date from = Always use to the first day of the Running Period, to exclude conditions not active yet.

Date to = Always use to the first day of the Running Period, to exclude conditions not active anymore.

Distr.Channel (Optional, selection option):		<b>[BW_QRY_AACOPC02_0001] SAP Price Conditions (Solvay)</b>	
<b>SAP Price Conditions (Solvay)</b>		[V_LOGSYS_0003] Source System	=
Source System:		[V_KNUMH_0001] Condition Record Nbr	=
Condition Record Nbr:		[V_0DATE_0056] Date From	<= 01.01.2023
✓ Date From: <=01.01.2023			=
✓ Date To: >=01.01.2023		[V_0DATE_0057] Date To	>= 01.01.2023
<b>SAP Price Conditions (Rhodia)</b>			=
Source System:			

Condition Record Nbr Always exclude number 0001506065 which is a condition in % leading to a unit check failure.

Date from = Always use to the first day of the Running Period, to exclude conditions not active yet.

Date to = Always use to the first day of the Running Period, to exclude conditions not active anymore.

Condition Record Nbr:		<b>[BW_QRY_AACOPC03_0001] SAP Price Conditions (Rhodia)</b>	
✓ Date From: <=01.01.2023		[V_LOGSYS_0003] Source System	=
✓ Date To: >=01.01.2023		[V_KNUMH_0002] Condition Record Nbr	!= 0001506065
<b>SAP Price Conditions (Rhodia)</b>			=
Source System:		[V_0DATE_0056] Date From	<= 01.01.2023
Condition Record Nbr: 10001506065			=
✓ Date From: <=01.01.2023		[V_0DATE_0057] Date To	>= 01.01.2023
✓ Date To: >=01.01.2023			=

## Workbook details

<b>Description</b>	<i>Sales Price Conditions in EUR</i>
<b>Technical Name</b>	<b>BW_QRY_APCOPC03_0001</b>
<b>Application</b>	<i>COPC</i>
<b>Info-provider</b>	<i>APCOPC03</i>
<b>Usage type</b>	<i>BW Analysis</i>
<b>Expected users</b>	<i>IT users</i>

## Global properties

**General: BW\_QRY\_APCOPC03\_0001 - SAP Price Conditions**

<b>General</b>	
Technical Name:	BW_QRY_APCOPC03_0001
Description:	SAP Price Conditions
InfoProvider:	APCOPC03
Key Date:	< default >
<b>Output Settings</b>	
<input checked="" type="checkbox"/> Adjust Formatting after Refreshing <input type="checkbox"/> Suppress Repeated Key Values <input type="checkbox"/> Show Scaling for Measures Sign Format: <input type="text" value="Before, for example -1"/> Zero Format: <input type="text" value="With Currency/Unit"/> Custom Zero Format: <input type="text"/>	
<b>Remote Access</b>	
<input type="checkbox"/> By Easy Query <input checked="" type="checkbox"/> By OLE DB for OLAP <input type="checkbox"/> By OData <input type="checkbox"/> External SAP HANA View	
<a href="#">Variables Order</a> <a href="#">Extended</a>	
<b>Result Location</b>	
Rows: <input type="radio"/> Above <input checked="" type="radio"/> Below Columns: <input type="radio"/> Left <input checked="" type="radio"/> Right	
<b>Zero Suppression</b>	
Applies to: <input type="checkbox"/> Rows <input type="checkbox"/> Columns Condition: <input type="text" value="Only result value must be zero"/>	
<b>Universal Display Hierarchy</b>	
<input type="checkbox"/> Active on rows Expand to Level: <input type="text" value="0"/> <input type="checkbox"/> Active on columns Expand to Level: <input type="text" value="0"/>	
<a href="#">Planning</a>	

## Variables

### Definitions

Variables	
	[V_0CALMONTH_0062] Running Period
	[V_CALMONTH_0001] Month from
	[V_CALMONTH_0002] Month to
	[V_LOGSYS_0003] Source System
	[V_CONDREC_0001] Condition Record Nbr
	[V_C_PLANT_0012] Plant (Authorization with input select option)
	[V_C_MATNR2_0001] Material (Select option, Optional)
	[V_CUSTID_0001] Customer (Selection Option, Optional)
	[V_SHIPID_0001] Ship to party (Selection option, Optional)
	[V_SOLDTO_0001] Sold-to party (Selection option, Optional)
	[V_KSCHL_0001] Condition Type (Selection option, Optional)
	[V_KOTABN_0001] Condition Table (Selection option, Optional)
	[VDISTR_CHAN] Distr.Channel (Optional, selection option)

## Filters

Filter: Fixed Values

- ▼ [0LOGSYS] Source System
  - ▼ [V\_LOGSYS\_0003] Source System
- ▼ [C\_RUNPER] Run Period (Calendar Year Month)
  - ▼ [V\_0CALMONTH\_0062] Running Period
- ▼ [C\_CONDREC] Condition record number
  - ▼ [V\_CONDREC\_0001] Condition Record Nbr
- ▼ [C\_MATNR2] Material
  - ▼ [V\_C\_MATNR2\_0001] Material (Select option, Optional)
- ▼ [C\_PLANT] Plant
  - ▼ [V\_C\_PLANT\_0012] Plant (Authorization with input select option)
- ▼ [C\_CUSTID] Customer number
  - ▼ [V\_CUSTID\_0001] Customer (Selection Option, Optional)
- ▼ [C\_SHIPID] Ship-to party
  - ▼ [V\_SHIPID\_0001] Ship to party (Selection option, Optional)
- ▼ [C\_SOLDTO] Sold-to party
  - ▼ [V\_SOLDTO\_0001] Sold-to party (Selection option, Optional)
- ▼ [C\_KSCHL] Condition Ttype
  - ▼ [V\_KSCHL\_0001] Condition Type (Selection option, Optional)
- ▼ [C\_KOTABN] Condition Table
  - ▼ [V\_KOTABN\_0001] Condition Table (Selection option, Optional)
- ▼ [C\_DISTCHN] Distribution Channel
  - ▼ [VDISTR\_CHAN] Distr.Channel (Optional, selection option)
- ▼ [4APCOPC03-F\_CALMONTH\_FROM] Month Valid from
  - ▼ [V\_CALMONTH\_0001] Month from
- ▼ [4APCOPC03-F\_CALMONTH\_TO] Month Valid to
  - ▼ [V\_CALMONTH\_0002] Month to

Key figures

- Columns
- ▼ Key Figures
    - ▼ [K\_KBETR] Cond. Amount
    - ▼ [K\_KPEIN] Pricing condition unit (qty)

Characteristics

Rows

	[0LOGSYS] Source System
	[C_CONDREC] Condition record number
	[C_KOPOS] Sequential number of the condition
	[C_KLFN1] Scale line number
	[C_KSCHL] Condition Ttype
	[C_KOTABN] Condition Table
	[C_ACCESSN] Access number
	[C_FLAG] Condition with Scales
	[C_MATNR2] Material
	[C_CUSTID] Customer number
	[C_SHIPID] Ship-to party
	[C_SOLDTO] Sold-to party
	[4APCOPC03-F_CALMONTH_FROM] Month Valid from
	[4APCOPC03-F_CALMONTH_TO] Month Valid to
	[0DATEFROM] Valid from
	[0DATETO] Valid to
	[C_PLANT] Plant
	[C_SAL_ORG] Sales Organization
	[C_DISTCHN] Distribution Channel
	[C_DIVISN] Division
	[C_SAL_OFF] Sales Office
	[C_PRICELT] Price list type
	[C_INCO1] Incoterms part 1 (PO)
	[C_SHIPCD2] Shipping conditions (core)
	[C_PRODHI] Product Hierarchy
	[C_SMARTPJ] Price Justification
	[C_LSFID] Opportunity line SFID
	[0COND_CURR] Rate unit (currency or percentage rate)
	[C_KMEIN2] Pricing condition unit

<b>Description</b>	<i>Sales Price Conditions Solvay</i>
<b>Technical Name</b>	<b>BW_QRY_AACOPC02_0001</b>
<b>Application</b>	<i>COPC</i>
<b>Info-provider</b>	<i>AACOPC02</i>
<b>Usage type</b>	<i>BW Analysis</i>
<b>Expected users</b>	<i>IT users</i>

Global properties

### General: BW\_QRY\_AACOPC02\_0001 - SAP Price Conditions (Solvay)

<b>General</b>	
Technical Name:	BW_QRY_AACOPC02_0001
Description:	SAP Price Conditions (Solvay)
InfoProvider:	AACOPC02
Key Date:	<default>
<b>Output Settings</b>	
<input checked="" type="checkbox"/>	Adjust Formatting after Refreshing
<input type="checkbox"/>	Suppress Repeated Key Values
<input type="checkbox"/>	Show Scaling for Measures
Sign Format:	Before, for example -1
Zero Format:	With Currency/Unit
Custom Zero Format:	
<b>Remote Access</b>	
<input type="checkbox"/>	By Easy Query
<input checked="" type="checkbox"/>	By OLE DB for OLAP
<input type="checkbox"/>	By OData
<input type="checkbox"/>	External SAP HANA View
<b>Result Location</b>	
Rows:	<input type="radio"/> Above <input checked="" type="radio"/> Below
Columns:	<input type="radio"/> Left <input checked="" type="radio"/> Right
<b>Zero Suppression</b>	
Applies to:	<input type="checkbox"/> Rows <input type="checkbox"/> Columns
Condition:	Only result value must be zero
<b>Universal Display Hierarchy</b>	
<input type="checkbox"/>	Active on rows
Expand to Level:	0
<input type="checkbox"/>	Active on columns
Expand to Level:	0
<b>Variables Order</b>	
<b>Extended</b>	
<b>Planning</b>	

## Variables

### Definitions

Variables
[V_LOGSYS_0003] Source System
[V_KNUMH_0001] Condition Record Nbr
[V_0DATE_0056] Date From
[V_0DATE_0057] Date To

## Filters

Filter: Fixed Values
▼  [0LOGSYS] Source System
[V_LOGSYS_0003] Source System
▼  [4AACOPC02-KNUMH] Condition record no.
[V_KNUMH_0001] Condition Record Nbr
▼  [4AACOPC02-DATAB] Valid From
[V_0DATE_0056] Date From
▼  [4AACOPC02-DATBI] Valid To
[V_0DATE_0057] Date To

## Key figures

**Columns**

- Key Figures
  - [4AACOPC02-KBETR] Cond. Amount

## Characteristics

**Rows**

- [0LOGSYS] Source System
- [4AACOPC02-KNUMH] Condition record no.
- [4AACOPC02-KOPOS] Sequent.no. of cond.
- [4AACOPC02-KLFN1] Scale Line number
- [4AACOPC02-LSFID] Opportunity line SFID
- [4AACOPC02-KONWA] Condition currency
- [4AACOPC02-KMEIN] Unit of measure

<b>Description</b>	<i>Sales Price Conditions Rhodia</i>
<b>Technical Name</b>	<b>BW_QRY_AACOPC03_0001</b>
<b>Application</b>	<i>COPC</i>
<b>Info-provider</b>	<i>AACOPC03</i>
<b>Usage type</b>	<i>BW Analysis</i>
<b>Expected users</b>	<i>IT users</i>

## Global properties

**General: BW\_QRY\_AACOPC03\_0001 - SAP Price Conditions (Rhodia)**

**General**

Technical Name: BW\_QRY\_AACOPC03\_0001

Description: SAP Price Conditions (Rhodia)

InfoProvider: AACOPC03

Key Date: <default>

**Output Settings**

- Adjust Formatting after Refreshing
- Suppress Repeated Key Values
- Show Scaling for Measures

Sign Format: Before, for example -1

Zero Format: With Currency/Unit

Custom Zero Format:

**Result Location**

Rows:  Above  Below  
 Columns:  Left  Right

**Zero Suppression**

Applies to:  Rows  
 Columns

Condition: Only result value must be zero

**Remote Access**

- By Easy Query
- By OLE DB for OLAP
- By OData
- External SAP HANA View

**Universal Display Hierarchy**

Active on rows

Expand to Level: 0

Active on columns

Expand to Level: 0

▶ Variables Order

▶ Extended

▶ Planning

## Variables

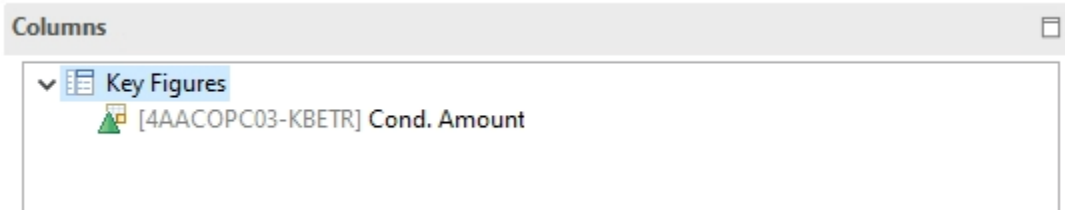
### Definitions

Variables
[V_LOGSYS_0003] Source System
[V_KNUMH_0002] Condition Record Nbr
[V_0DATE_0056] Date From
[V_0DATE_0057] Date To

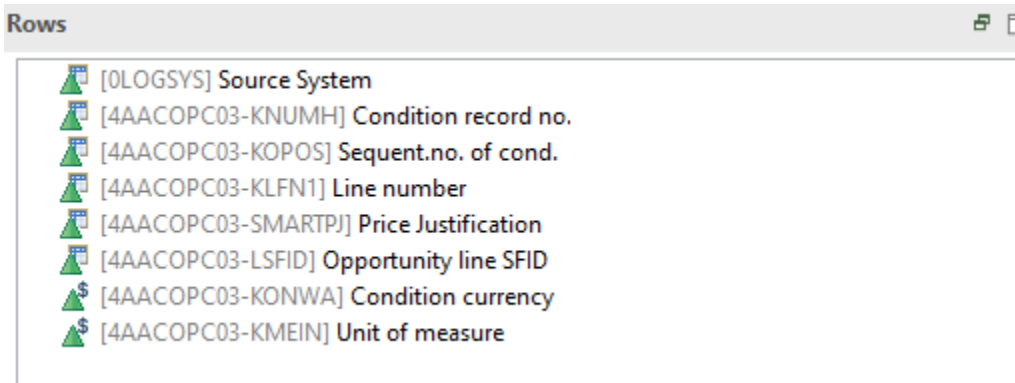
## Filters

Filter: Fixed Values
<ul style="list-style-type: none"> <li> <input checked="" type="checkbox"/> [0LOGSYS] Source System                             <ul style="list-style-type: none"> <li> [V_LOGSYS_0003] Source System</li> </ul> </li> <li> <input checked="" type="checkbox"/> [4AACOPC03-KNUMH] Condition record no.                             <ul style="list-style-type: none"> <li> [V_KNUMH_0002] Condition Record Nbr</li> </ul> </li> <li> <input checked="" type="checkbox"/> [4AACOPC03-DATAB] Valid From                             <ul style="list-style-type: none"> <li> [V_0DATE_0056] Date From</li> </ul> </li> <li> <input checked="" type="checkbox"/> [4AACOPC03-DATBI] Valid To                             <ul style="list-style-type: none"> <li> [V_0DATE_0057] Date To</li> </ul> </li> </ul>

## Key figures



## Characteristics



## Process Chains

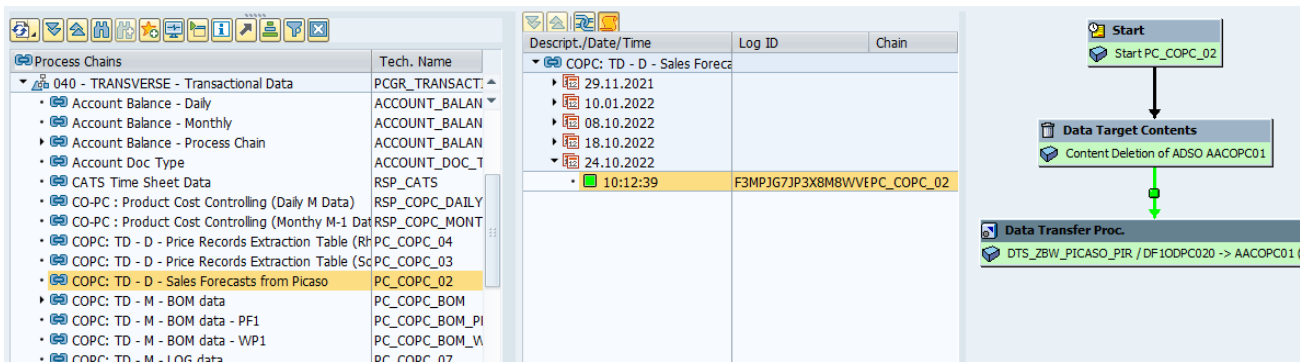
Process Chains below are scheduled in BW daily.

Transparency extraction from BW is scheduled daily every morning.

Manual Loading procedure for a monthly Run:

Execution of 4 PCs directly from RSPC transaction (Starters are scheduled in Immediate mode).

- Execution of **PC\_COPC\_02** (COPC: TD - D - Sales Forecasts from Picaso)  
=> 2 minutes



- Execution of **PC\_COPC\_03** (COPC: TD - D - Price Records Extraction Table (Solvay))  
=> 2 minutes

The screenshot shows the SAP Process Chains interface. On the left, a tree view under '040 - TRANSVERSE - Transactional Data' lists various process chains. 'COPC: TD - D - Price Records Extraction Table (Rhodia)' is selected, with 'PC\_COPC\_03' highlighted. The middle pane shows a list of dates from 2021 to 2022, with a log entry for '09:00:01' and Log ID '2FAKXYU6AQZWN4XPC\_COPC\_03'. The right pane shows a flow diagram starting with 'Start PC\_COPC\_03', leading to 'Data Target Contents' (Content Deletion ADSO AACOPC02), and finally to 'Data Transfer Proc.' (DTS\_ZBW\_ICM\_PRICING / DF1ODPC020 -> AACOPC02 (F)).

- Execution of **PC\_COPC\_04** (COPC: TD - D - Price Records Extraction Table (Rhodia))  
=> 5 minutes

The screenshot shows the SAP Process Chains interface for PC\_COPC\_04. The left pane shows 'COPC: TD - D - Price Records Extraction Table (Rhodia)' selected, with 'PC\_COPC\_04' highlighted. The middle pane shows a list of dates, with a log entry for '09:00:01' and Log ID '6VB7P12MMHJQZ05HPC\_COPC\_04'. The right pane shows a flow diagram starting with 'Start PC\_COPC\_04', leading to 'Data Target Contents' (Content Deletion ADSO AACOPC03), and finally to 'Data Transfer Proc.' (DTP: DTS\_ZBW\_ICM\_PRICING (WP1\_ODP) -> AACOPC03 - F).

- Execution of **PC\_COPC\_06** (COPC: TD - M - Sales Unit Price / Quantity Forecast)  
=> 30 minutes

The screenshot shows the SAP Process Chains interface for PC\_COPC\_06. The left pane shows 'COPC: TD - M - Sales Unit Price / Quantity Forecast' selected, with 'PC\_COPC\_06' highlighted. The middle pane shows a list of dates, with a log entry for '09:30:47' and Log ID '88628YDUJ1AMJ8IL2FPC\_COPC\_06'. The right pane shows a complex flow diagram starting with 'Start PC\_COPC\_06', leading to two 'Data Transfer Proc.' steps (DTP - AACOPC02 -> APCOPC03 - Delta), followed by a 'DSO (advanced)' step (Generated Variant for Activation in APCOPC03), another 'Data Transfer Proc.' step (DTS\_CV\_FMCO\_QTY\_SLS\_FRC / WBP\_HANAIV -> AACOPC05), a final 'Data Transfer Proc.' step (DTP: AACOPC05 -> ABCOPC07 Delta), and ending with two parallel steps: 'Data Target Contents' (Delete AACOPC05) and 'DSO (advanced)' (Generated Variant for Activation in ABCOPC07).