

SPP Make or Buy

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General presentation

Objective of the application

Provide "Make or Buy" information in the SpP Raw Material process to deliver a Manufacturing adjusted cost.

This information is provided by Finance or Controlling and based on several calculations on their side, and therefore not available in SAP.

The indicator "Usage factor" must be manually populated by the Business at Material Group / Finished Product / Raw Material / Plant level for the 4 rolling quarters to come.

Tool Leader + IT leader of the application:

Usage information

History

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_M78	Forward Looking ICM - Raw Material	Role Menu
ZBI_RCS_CO_A06	Forward Looking ICM - Raw Material	Authorization objects

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Authorization objects

List of autorisation objects mandatory for the application.

Authorization object	Explanation
V_CPFCTR1_2_0006	CPFCTR1_2
V_C_PLANT_0012	C_PLANT
V_C_AUTHMA_0001	C_PLANT__C_AUTHMA

Dataflow overview

Reporting documentation drive folder:

<https://drive.google.com/drive/folders/0B0qn89R0RGdqYkZZOFZyYXIXVke>

Example of dataflow overview :

[Template Application name DataFlow](#)

Functional and Technical rules on Workbench + Reporting

Rules & Explanations

BW Logic

The Critical Raw Material Master Data **C_FLRMAT** is used to identify the "Make or Buy" Products.

The source of this information is located in PF1 system for SpP, where the table **ZFI_ICM_CRITIC** is populated by Business through transaction **ZCRIT**.

The field "Critical flag" (C_FLRMATF) is used to identify "Make or Buy" Products as follows:

"I" : Critical Internal

"E" : Critical External

The BW data flow logic is based on an intermediate buffer ADSO, allowing the save of the previously input value from Business, and the update from the latest data coming from DTS_CV_FMCO_MORB_SPP

FL - Raw Mat Make or Buy - MG	ABCOPC20
ADSO ABCOPC21 -> ADSO ABCOPC20	09CW66BV5R7SX50H1
FL - Raw Mat Make or Buy - MG - Buffer	ABCOPC21
ADSO ABCOPC20 -> ADSO ABCOPC21	06YE0EI2RGCSYHB9I
TRSF: RSDS DTS_CV_FMCO_MORB_SPP WBD_HANAIV -> ADSO ABCOPC21	019472VLF8M5UUUV6N
Data Transfer Processes	ABCOPC21

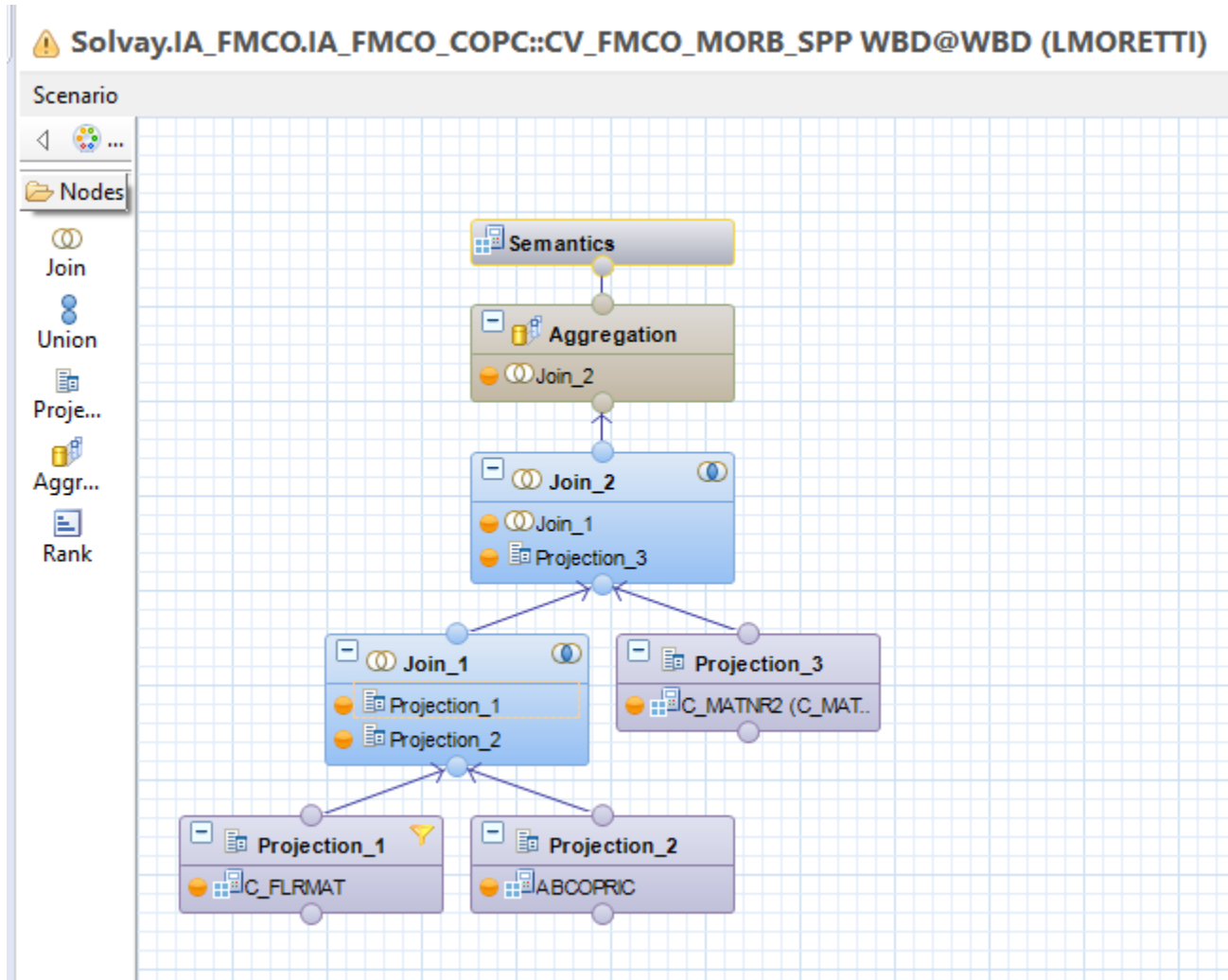
The chronology is the following

1. Load full content of Planning ADSO to Buffer ADSO
2. Load DTS_CV_FMCO_MORB_SPP to Buffer ADSO
3. Delete full content of Planning ADSO
4. Load full content of Buffer ADSO to Planning ADSO
5. Update "Usage factor" in Planning ADSO from workbook

The Planning ADSO is then source of the Manufacturing data flow, where the quantity from the BOM will be replaced by the usage factor from the workbook and multiplied by the price in the Raw Material Forecast calculation.

Therefore, the Raw Material Forecast price must have been confirmed before the "Make or Buy" process.

The datasource is based on calculation view CV_FMCO_MORB_SPP

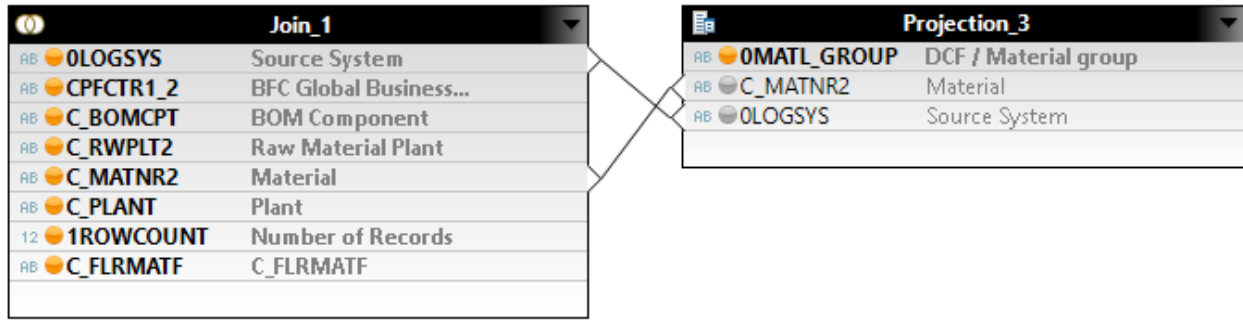


First step - join between C_FLRMAT (filter flag 'I' or 'E') with ABCOPRIC (BOM DSO for SPP) based on the Raw Material (BOM component) to get finished product (C_MATNR2)

Projection_1	
AB	0LOGSYS Source System
AB	CPFCTR1_2 BFC Global Business ...
AB	C_FLRMAT
AB	C_PLANT Plant
AB	C_FLRMATF C_FLRMATF

Projection_2	
AB	0LOGSYS Source System
AB	CPFCTR1_2 BFC Global Business...
AB	C_BOMCPT BOM Component
AB	C_RWPLT2 Raw Material Plant
AB	C_MATNR2 Material
AB	C_PLANT Plant
12	1ROWCOUNT Number of Records

Then a join with C_MATNR2 master data to get Material Group



In TRF DTS_CV_FMCO_MORB_SPP -> ABCOCP21, the 4 quarters to come are generated

Transformation: TRSF: RSDS DTS_CV_FMCO_MORB_SPP WBD_HANAIV... Runtime Status: Only ABAP runtime is supported

Source: Make or Buy - SPP (DTS_CV_FMCO_MORB_SPP)
 Target: FL - Raw Mat Make or Buy - MG - Buffer (ABCOCP21)
 Version: Active

Active Version: Executable Edited Version

Technical Group: Standard Group
 MONTH + 2
 MONTH + 3
 MONTH + 4
 New Rule Group

Pos	Key	Field	ICd	Descript.
1		FM94K8TSJ946EK1HUJK0TRLJ0		Number of Reco
2		O5Y9BMW2V1HHFOG7T9UE8CRP3		0LOGSYS
3		CPFCTR1_2		CPFCTR1_2
4		C_BOMCPT		C_BOMCPT CHAR 000018
5		C_RWPLT2		C_RWPLT2 CHAR 000004
6		C_MATNR2		C_MATNR2 CHAR 000018
7		C_PLANT		C_PLANT CHAR 000004
8		IQ055ZV48MIT3Z4VZPK2AM9HJ		DCF / Material group CHAR 000009
9		C_FLRMATF		C_FLRMATF CHAR 000001

Rule	Rule Name	Pos	Key	InfoObject	Field	Icon	Descript
	0LOGSYS	1		0LOGSYS	LOGSYS		Source S
	C_RWPLT2	2		C_RWPLT2	/BIC/C_RWPLT2		Raw Mat
	0MATL_GROUP	3		0MATL_GROUP	MATL_GROUP		DCF / Ma
	C_MATNR2	4		C_MATNR2	/BIC/C_MATNR2		Material
	C_PLANT	5		C_PLANT	/BIC/C_PLANT		Plant
	C_BOMCPT	6		C_BOMCPT	/BIC/C_BOMCPT		BOM Com
	DATE_QUARTER(SYST-DATUM)	7		0CALQUARTER	CALQUARTER		Calendar
	CPFCTR1_2	9		CPFCTR1_2	/BIC/CPFCTR1_2		BFC Glob
	C_FLRMATF	10		C_FLRMATF	/BIC/C_FLRMATF		FL Raw M
	SAVE_FLRMATF	11		SAVE_FLRMATF	SAVE_FLRMATF		FL Raw M
	K_USGFACT	12		K_USGFACT	/BIC/K_USGFACT		Usage Fa

Workbook layout

FL - Raw Material - Make or Buy - Material Group

Last Refreshed At: *****

Active Filter: Planning: Key Date 14.11.2023



Confirm your new value and save in Database
 Confirm Plan Data

Source System	Raw Material Plant		DCF / Material group		Finished Product		FP Plant	Raw Material		BFC Global Business Unit	FL Raw Mat	Usage Factor	Q4 2023	Q1 2024	Q2 2024	Q3 2024		
PFL020	6006	SSPH-IT /ARCESET	Z33-20514		Z33-20514													
					175636	SIF 46 'SM CYL3ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
					175639	SIF 46 'SM CYL20ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
					175640	SIF 46 'SM CYL50ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
					175641	SIF 46 'SM CYL525ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
					175642	SIF 46 'SM CYL1000ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
			Z33-27765		Z33-27765	179742	SIF 46 N3 'SM CYL20ME	CL SMF	SSP-HT /SPINETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000
			Z58-23958		Z58-23958	68573	PPSUR-7159 NT*****	MJS	SSP-US /MARIETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000
			Z58-28476		Z58-28476	48719	PPSUR-7159 NT 50	MJS	SSP-US /MARIETTA	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000
					63635	PPSUR-7159 NT50 525	53KD	SSP-US /POLYMER	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
							5XEA	SSP-US /EXEL SHAW	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	
							8C8M	SSP-HT /DSV SCL PL	106384	ZINC DUST 'BB1000	[BM]	SPECIALTY POLYMERS	I	0.000	0.000	0.000	0.000	

Reporting Layer

Aggregation Level

ALCOPC16 FL - Raw Mat Make or Buy - MG

▼  FL - Raw Mat Make or Buy - MG	ALCOPC16
▶  FL - Raw Mat Make or Buy - MG	CPCOPC14



The Aggregation Level is encapsulating the Composite Provider, with the exact same output structure.

All characteristics and key figures of the ADSO are selected to guarantee the Planning functionalities in the query/workbook.

Virtual Layer

Composite Providers

CPCOPC14 FL - Raw Mat Make or Buy - MG

▼  FL - Raw Mat Make or Buy - MG	CPCOPC14
▶  FL - Raw Mat Make or Buy - MG	ABCOPC20

The Composite Provider is encapsulating the Planning ADSO, with the exact same output structure.

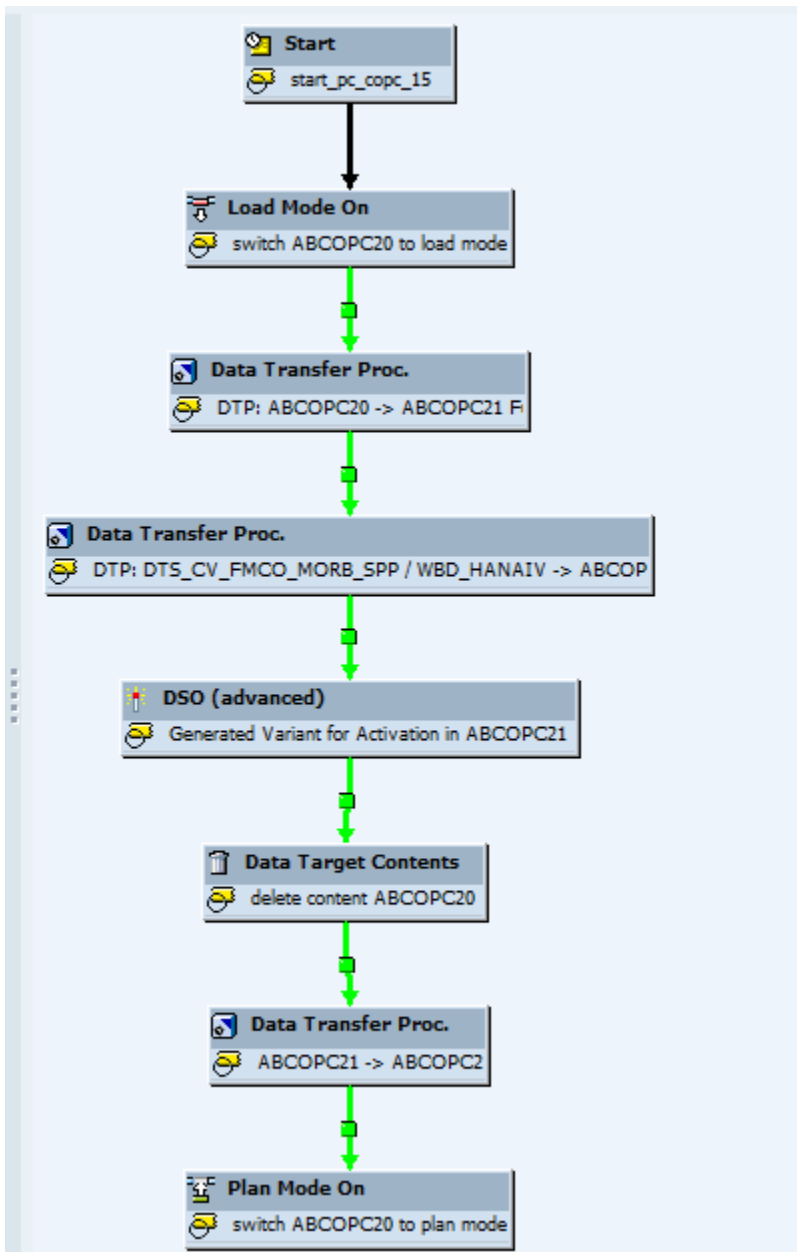
The navigational attribute C_PLANT__C_AUTHMA is added to handle authorizations on Scope in the query.

Dependencies with other applications

Data loadings

Info providers and objects loaded

PC_COPC_15 - COPC: TD - D - RMat Make or Buy (Mat Group)



Loading frequency

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

Reporting

Queries End User Documentation

Main queries

Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

Planned Evolution