

# BW OTC - SMOG

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## General presentation

### Objective of the application

Process responsible for providing the slow movement, obsolete and blocked batches.

### Usage information

Around 200 worldwide users and running the reports ~400 times per month.

## 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_M03	IM Stocks	Menu role

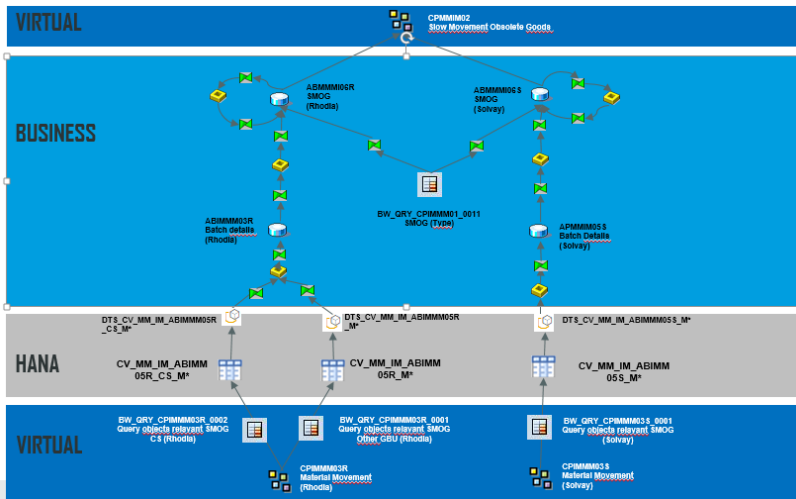
## Authorization objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
C_COMPCDE__C_AUTHMA	Company authorization scope
C_PLANT__C_AUTHMA	Plant authorization scope
CPFCTR1_2	Business unit

## Dataflow presentation

### Overview



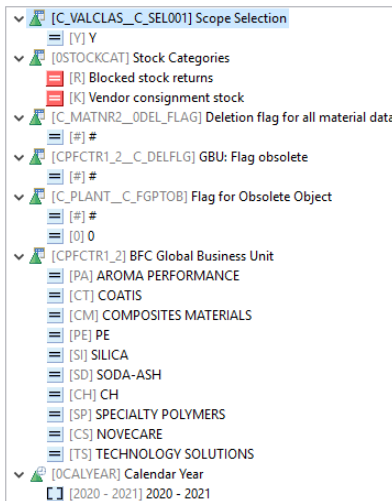
All aDSO above the acquisition layer (basically a provider with the same fields from datasource) uses an infosource in the link to become easier the implementation of different type of code: AMDP (recommend for look up at db level) and ABAP (better in treatments at row level).

The process uses as source queries on top of the inventory composite providers CPIMMM01, CPMMIM03R and CPMMIM03S.

## Functional and Technical rules on Workbench + Reporting

### MM-IM: SMOG (HANA Ext. View) (BW\_QRY\_CPIMMM03\*\_0001)

BW query with filter to get only the 10 GBUs used in the SAC dashboard, material and plants not obsoletes and with the valuation class corresponding to relevant according to the business units.



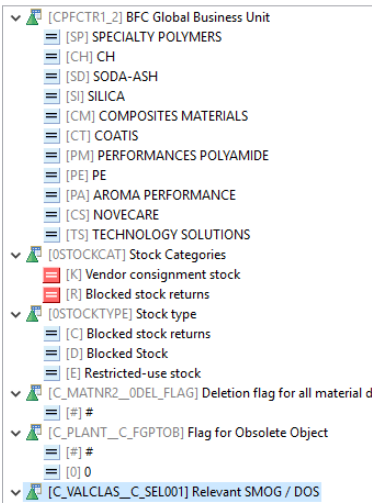
- 0CALYEAR was defined with only 2 years per time in a fix value because query as external view doesn't allow HANA or ABAP variables.
- The provider CPMMIM03R provides two queries because of the volume of data processed by the total stock in Rhodia model; BW\_QRY\_CPIMMM03R\_0002 (only CS) and BW\_QRY\_CPIMMM03R\_0001 (other GBUs).

### Calc. view for position of last month (CV\_MM\_IM\_ABMMIM05\*\_M1)

Calculation view based on the query bw\_qry\_cpimmm03\*\_0001, filtering the previous month and the situations where the batch expire date or manufacture date from batch is not initial. The data come back to BW by the datasource CV\_MM\_IM\_ABMMIM05\*\_M1 (WBP\_HANAIV).

### MM-IM: SMOG Evolution (Only Sotck Type) (BW\_QRY\_CPIMMM01\_0011)

BW query with filter to get only the stock type 'C', 'D' or 'E', the 10 GBU's used by the SAC dashboard, material and plants not obsolete and with the valuation class corresponding to relevant according to the business units.



There are two DTP when retrieving data to the provider ABMMIM06\*, M-3 M-1 and M-6 M-4.

## Material Movement - SMOG (ABMMIM06\*)

The provider concatenates the results respecting the sequence batches blocked, obsolete and slow moving, if the same batch is classified in more than one condition.

### AMDP

- Blocked - All batch with the stock type equal 'C', 'D' or 'E'
- Obsolete - If the last day of respective month of the load is greater than batch expiry date
- Slow moving - If the last day of respective month minus the batch manufacture date is bigger than 365 days
- Batch aging - According to the difference of days for the previous 2 classifications, it was created the aging 0 - 90 days, 90-120 days, 121 - 360 days, 361 - 720 days and greater than 720 days.

## Material Movement - SMOG (ABMMIM06\*) Recursive Load

Once the provider concatenates the results respecting the sequence batches blocked, obsolete and slow moving with the corresponding values converted into EUR and quantities in VKG, the objects are ordered with the differences about the in and out results, split into I (IN) when the values and quantities are assigned at the first time according to the key or they rose, we keep without flag when the values don't change among the months or the difference between IN and the results from the month before, beyond that we classify as O (outbound) when the results reduce or they are not available anymore with the corresponding key in the sequent month.

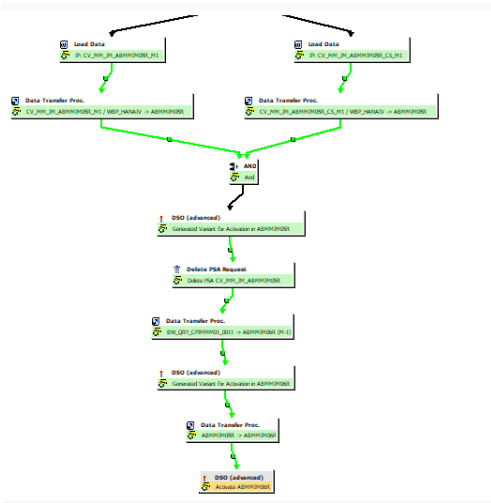
### AMDP

- The rules to assign IN and OUT is done at this level in the end routine comparing values for the same key with the month treated in the load with the month before and after.

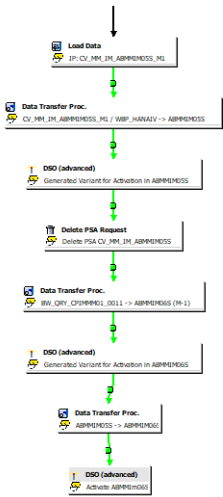
## Data loading

Monthly process chain loaded at the day 05 for getting the data from previous month.

PC\_MMIM\_19 - MM: IM - M - SMOG Rhodia



PC\_MMIM\_20 - MM: IM - M - SMOG Solvay



The INIT process has a specific view on top of the ztest query Rhodia (ztest\_cv\_qry\_cpmmim03r\_0003) and Solvay (ztest\_cv\_qry\_cpmmim03s\_0002). They are ztest as an alternative to set the months to be loaded in the process, reinforcing that is important to have the last 24 months in SMOG.

**Filter: ZTEST\_CV\_QRY\_CPMMIM03R\_0003 - MM-IM:**  
**SMOG CS (HANA Ext. View - RCS - Init) DO NOT DELETE**

Active Version [Icons]

Filter: Fixed Values	General
[C_VALCLAS__C_SEL001] Relevant SM	Technical Name: 08.2019 - 07.2021
[DCALMONTH] Calendar Year/Month	Description: August 2019 - July 2021
[08.2019 - 07.2021] August 2019 -	
[C_COMP_CDE__C_FGPTOB] Flag for (	
[C_COMP_CDE__C_FLGINT] PRS Com	
[0FISCVARNT] Fiscal year variant	
	Operator: Between
	<input type="checkbox"/> Exclude

Filter: Default Values
[C_FLAG] Material conversion
[C_BATCH2__C_EXPIRDT] Batch Expir
[C_VALTYPE] Valuation type
[C_VALCLAS] Valuation class
[C_SUBACT2] Sub-Activity 2
[TRASF_HOM1] Base Unit of Measure

General | Filter | Sheet Definition | Conditions | Exceptions | Dependencies | Runtime Properties

## Loading frequency

Once a month.

## Reporting

### Main queries

Technical Query Name	Query Name	Detail
BW_QRY_CPMIM02_0001	MM-IM: SMOG (Core)	Master query with all the main objects available in the composite
SAC_BW_QRY_CPMIM02_0003	MM-IM: SMOG Detailed (SAC)	Query used in the SAC model to detailed information from SMOG
SAC_BW_QRY_CPMIM02_0004	MM-IM: SMOG x Stock (SAC)	Query used in the SAC model to compare information from stock and SMOG aggregated at plant level.
SAC_BW_QRY_CPMIM02_0005	MM-IM: Under Observation (SAC)	Query used in the SAC model to control anticipation cases mixed with SMOG.

## Main functionalities

N/a

## Broadcast

N/a

## Maintenance

N/a

## Planned Evolution

N/a