# 01-DynaSys Reporting /!\ Obsolete /!\

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**The new wiki link for this data flow is here:**

**01-DynaSys Reporting**

**Please update the new doc there and no longer here.**

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  - Decommissioning of BW query. Done for Demand Review S1.2023


# General presentation

## Objective

## of the application

"DynaSys Reporting" application deals with :

1. extract forecasts & few master information from DynaSys system (DP/DiP-PP modules) using an Hana SDI access on the DynaSys datahub
2. provide Core queries to GBU users to follow their activity
3. provide technical queries to fill external tool like QlikSense, Dataïku, Tableau (via Google Cloud Platform or GCP)

(migration QV>Tableau in progress)

Main contacts are :

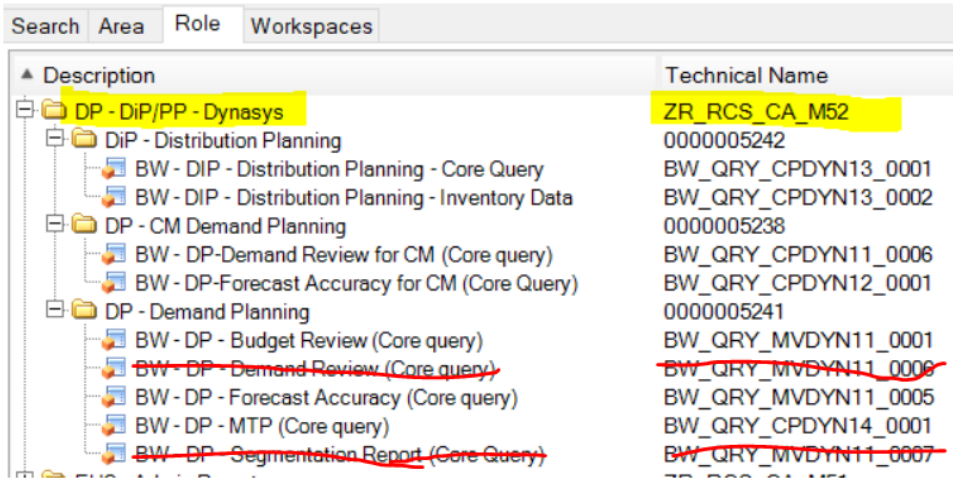
| | | | |
|---|---|---|---|
| Planning & Scheduling | Tech Pool Lead | Alexandre Eliane | |
| DynaSys Interface | Application Owner | Etienne Ribet | DynaSys.Interface.Team@solvay.com |
| DynaSys Interface | Interface / Reporting BW | Vendula Sianska | |
| Demand Planning | Service Owner | Charlotte Bruchet | |
| Distribution & Production Planning | Service Owner | Ahmadou Niang | |
| Planning & Scheduling | Run Coordinator | Arnaud Regnault De La Mothe | |

## Usage information

## History

# Roles & Access

## Roles and access

| Role Id | Role Title | Explanation |
|---|---|---|
| ZR_RCS_CA_M52 | DP - DiP/PP - Dynasys | to access the list of core queries<br>  <br><br>NB : Demand Review + Segmentation Report are being decommissioned |
| ZBI_RCS_DP_A02 | Demand Planning - Dynasys | Role utilisateur Dynasys<br><br>Authorization object **ZBI_DPS**<br><br>• gives access to Application Area **IA_DPS_DYNASYS**<br>• authorization limited on **GBU (CPFCTR1_2)** (in WBP since 14/03/2017) |
| ZBI_RCS_DP_A03 | Demand Planning - Dynasys Keyuser | Authorization object **ZBI_DPS_K**<br><br>• gives access to transaction ZMAINT_MATPLANT + ZMAINT_MATVENDOR<br>• gives access to Application Area **IA_DPS_DYNASYS**<br>• authorization limited on **GBU (CPFCTR1_2)** (in WBP since 14/03/2017) |

See also file maintained by Authorization team : BW Catalog of Roles / link: https://drive.google.com/open?id=10GEfKYqrT1eeTO_uHYAheL1GX7L5y_pvH0KQU64qh5I

## Authorization objects

Reporting is limited to authorized GBU (Global Business Unit)

| Authorization object | Explanation |
|---|---|
| GBU (CPFCTR1_2) | ZR_*_CA_P05 |

# Dataflow overview

**Important** : these google slides are the main document to consider for the reporting topic. It has to be updated for any change to facilitate maintenance

## List of DynaSys views used for extraction

| DynaSys View | MasterData /Transactional | Content | Comments |
|---|---|---|---|
| EXP_DC_BU_BW | MasterData | | Not used in Reporting but Interface part |

| | | | |
|---|---|---|---|
| EXP_BW_PLANT_CONS_BW | MasterData | Plant for Consignation list managed in DynaSys | Not used in Reporting but Interface part |
| EXP_BW_SKU_BW | Transactional from ? | data for E2E VC Dashboard (QlikSense ?) | All GBU |
| EXP_FORE_DR_BW | Transactional from DP | data for the Budget Review query | All GBU except CM |
| EXP_FORE_BW | Transactional from DP | data for Forecast Accuracy (including Gross History) | All GBU except CM |
| EXP_AERO_DR_BW | Transactional from DP | data for Demand Review (including Gross History) | CM (Aero) |
| EXP_AERO_FA_BW | Transactional from DP | data for Forecast Accuracy (including Gross History) | CM (Aero) |
| EXP_MTP_BW | Transactional from DP | data for MTP report | All GBU except CM |
| EXP_DIP_BW_SKU_BW | Transactional from DiP-PP | data for DiP reporting (Datafields without receiving site) | All GBU |
| EXP_DIP_BW_SKU_SITE_BW | Transactional from DiP-PP | data for DiP reporting (Datafields with receiving site) | All GBU |
| SYS_TIMESTAMP | System | | |
| EXP_DP_SHIPTO_BW | MasterData | | |
| EXP_DFU_DR_BW | MasterData | Material/Ship-to/DC | |
| EXP_SHIPTO_DC_SR_MANUAL_BW | MasterData | | |
| EXP_MATSHIPTO_BW | MasterData | | |
| EXP_SF_CRM_BW | MasterData | | |
| EXP_SAP_PROG_BW | MasterData | Program/Market Assignement | CM (Aero) |
| EXP_MAIN_SPEC_BW | MasterData | Main Spec Assignment | CM (Aero) |
| EXP_AERO_SKY_BW | MasterData | Skyline by Program/Month | CM (Aero) |
| EXP_SHIPTO_INFO_BW | MasterData | Ship-to info (RCS~~+BAAN~~) | CM (Aero) |
| EXP_DIP_BW_MD_SKU_BW | MasterData | DIP/PP specific master data (Shipping/Reciving Site attributes) | All GBU |
| EXP_MATERIAL_SAP_BW | MasterData | | All GBU |
| EXP_SOP_BW | MasterData | | All GBU |
| EXP_MATERIAL_BW | MasterData | | Not used in Reporting but Interface part |
| EXP_DFU_OTHER_BW | MasterData | Material/Ship-to/DC/Spec | CM (Aero) |
| ~~EXP_MATERIAL_BAAN_BW~~ | MasterData | ~~BAAN Material info~~<br><br>PE1 Material info | CM (Aero)<br><br>2020/12/11 Removed, not used anymore<br><br>2021/06/24 Used again for AERO Wave 3, one shot to load PE1 material info |

# Functional and Technical rules

## Rules & Explanations

### IECRA determination (implemented since 13/11/2017)

RCS notion, IECRA is only determined for RCS records.

1. Retrieve the division (0DIVISION) from material (C_MATNR2)
2. Get IECRA (0G_CWWE01) from masterdata C_CDSA which is distribution channel (0DISTR_CHAN) compounds with division (0DIVISION).

Determination done at Business Level (EndRoutine)

### BU (C_DYN_010) / GBU (CPFCTR1_2) determination

Both BU and GBU are determined at Business Level (EndRoutine) by reading mastersdata C_DYN_005 / Material with System Extension.

The link Material / BU is given by DynaSys interface part : DSO DBDYN02.

The link BU/GBU is given by C_SUBACT2 / Sub-Activity 2

BU = ERP Group of activities (C_PFCTR2)

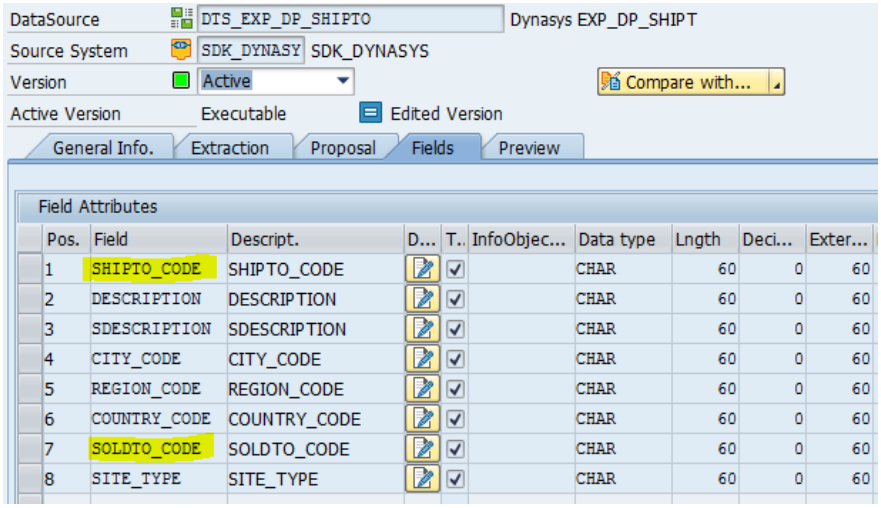
GBU = BFC Global Business Unit (CPFCTR1_2)

Rule for RCS records was changed the 13/11/2017 (**item #58**). BU/GBU is now determined reading IECRA (0G_CWWE01)

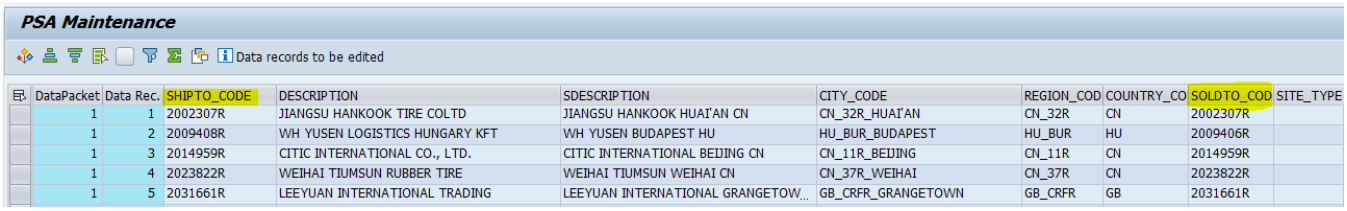
## Sold-to (C_SOLDID) determination

The Sold-to is determined at Business Level (EndRoutine) by reading mastersdata C_DYN_014 / Ship-to with System Extension.

The link Ship-to / Sold-to is given by DynaSys (table EXP_DP_SHIPTO) and stored daily in masterdata C_DYN_014.



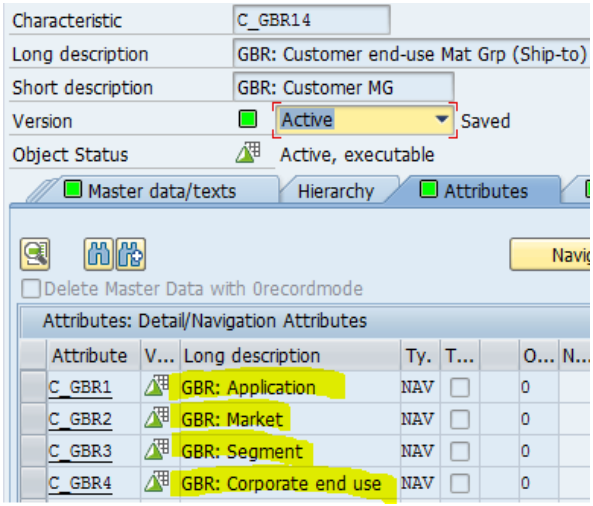

| Pos. | Field | Descript. | D... | T.. | InfoObjec... | Data type | Lngth | Deci... | Exter... |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SHIPTO_CODE | SHIPTO_CODE | | ☑ | | CHAR | 60 | 0 | 60 |
| 2 | DESCRIPTION | DESCRIPTION | | ☑ | | CHAR | 60 | 0 | 60 |
| 3 | SDESCRIPTION | SDESCRIPTION | | ☑ | | CHAR | 60 | 0 | 60 |
| 4 | CITY_CODE | CITY_CODE | | ☑ | | CHAR | 60 | 0 | 60 |
| 5 | REGION_CODE | REGION_CODE | | ☑ | | CHAR | 60 | 0 | 60 |
| 6 | COUNTRY_CODE | COUNTRY_CODE | | ☑ | | CHAR | 60 | 0 | 60 |
| 7 | SOLDTO_CODE | SOLDTO_CODE | | ☑ | | CHAR | 60 | 0 | 60 |
| 8 | SITE_TYPE | SITE_TYPE | | ☑ | | CHAR | 60 | 0 | 60 |




| DataPacket | Data Rec. | SHIPTO_CODE | DESCRIPTION | SDESCRIPTION | CITY_CODE | REGION_COD | COUNTRY_CO | SOLDTO_COD | SITE_TYPE |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 2002307R | JIANGSU HANKOOK TIRE COLTD | JIANGSU HANKOOK HUAI'AN CN | CN_32R_HUAI'AN | CN_32R | CN | 2002307R | |
| 1 | 2 | 2009408R | WH YUSEN LOGISTICS HUNGARY KFT | WH YUSEN BUDAPEST HU | HU_BUR_BUDAPEST | HU_BUR | HU | 2009406R | |
| 1 | 3 | 2014959R | CITIC INTERNATIONAL CO., LTD. | CITIC INTERNATIONAL BEIJING CN | CN_11R_BEIJING | CN_11R | CN | 2014959R | |
| 1 | 4 | 2023822R | WEIHAI TIUMSUN RUBBER TIRE | WEIHAI TIUMSUN WEIHAI CN | CN_37R_WEIHAI | CN_37R | CN | 2023822R | |
| 1 | 5 | 2031661R | LEEYUAN INTERNATIONAL TRADING | LEEYUAN INTERNATIONAL GRANGETOW... | GB_CRFR_GRANGETOWN | GB_CRFR | GB | 2031661R | |

## Commercial Product (C_PROD) determination

The commercial product is needed to be able to use attributs of masterdata C_GBR14 / GBR: Customer end-use Mat Grp (Ship-to)



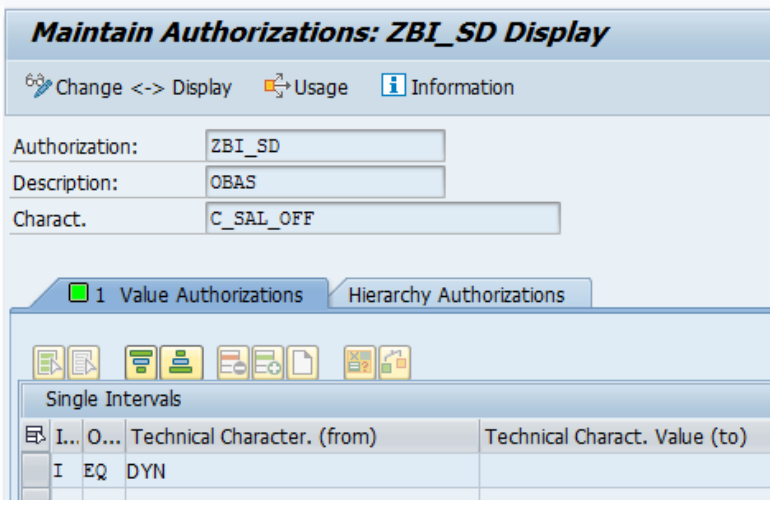

The commercial product is determined by reading masterdata C_MATNR2 / Material

## Sales Office (C_SAL_OFF) / Sales Document Type (C_DOCTYP2) / Company Code (C_COMPCDE) determination

Sales Office, Sales Document Type, Company code can not be determined for DynaSys, they are set by constant DYN because axis are needed in reporting Sales Follow-up.

Caution Sales Office is autorization relevant for Sales Reporting (Obas, Global Sales), it has been added in Application role, auhorization object ZBI_SD

Company Code also, it will be added ( item #39)



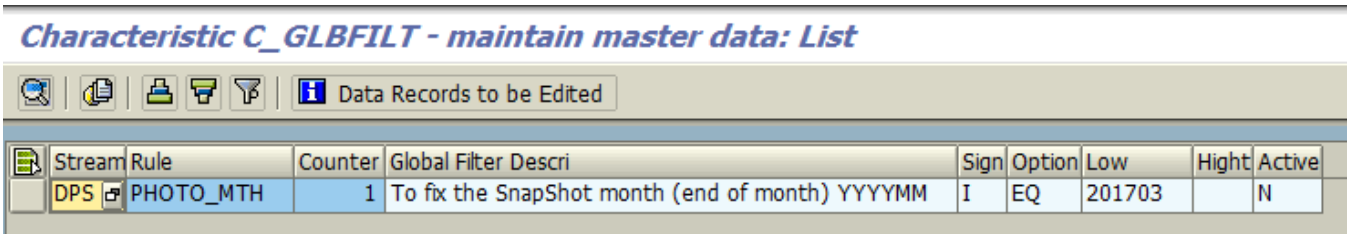

## FORECAST ACCURACY - End of Month View (C_FCSTMTH)

For daily dynamic flow, it corresponds to current month/year

For snapshot flow, it corresponds to previous month of the snapshot

| date of the SnapShot | End of Month View (C_FCSTMTH) |
|---|---|
| 6th of May 2018 | 04.2018 |
| 6th of May 2018 | 11.2018 |

In case of a manual reload the value can be changed by using Global Filter




## FORECAST ACCURACY - Concerned Period (C_FCGMTH)

For daily dynamic flow, it is set with 'M' (mean view of the month 0CALMONTH

For snapshot flow, it is calculated :

1) If period (0CALMONTH) = end of month view (C_FCSTMTH) => Concerned Period (C_FCGMTH) is set to 'M' means value of the month

2) If period (0CALMONTH) < end of month view (C_FCSTMTH) => Concerned Period (C_FCGMTH) is set to 'N/A' means Not Applicable, SnapShot done after period

3) If period (0CALMONTH) > end of month view (C_FCSTMTH) =>

a) compute NB Month = (period (0CALMONTH) - end of month view (C_FCSTMTH) ) - 1

b) if NB Month between -999 and -1 => concatenate 'M' with NB Month into Concerned Period (C_FCGMTH)

else Concerned Period (C_FCGMTH) is set to 'N/A'

Caution : Concern period M-1 does not exists.

Concern period M for Forecast is considered as M-1 in BW queries.

Examples:

| date of the SnapShot | End of Month View (C_FCSTMTH) | Calendar Year/Month (0CALMONTH) | Concerned Period (Flag) (C_FLGMTH) |
|---|---|---|---|
| 6th of August 2017 | 07.2017 | 07.2017 | M |
| 6th of August 2017 | 07.2017 | 08.2017 | M-2 |
| 6th of August 2017 | 07.2017 | 02.2019 | M-20 |
| 6th of August 2017 | 07.2017 | 08.2016 | N/A |

## DiP-PP - Datafields type & key figures

For the DiP reporting we use only two key figures :

- K_DYN_022 : Amount in €
- K_DYN_021 : Quantity in KG

The quantity or the amount is assigned to a specific Kpi determined by the field DataField Type (C_DATATYP).

In BW we've created one restricted key figure per Datafield type.

The list of the different Datafields loaded from Dynasys and their respective RKF is available here.

To know if the Datafield type is a quantity (assignment of the value to K_DYN_021) or an amount (assignment of the value to K_DYN_021), we're using Global filters entries.

**Stream :** DPS
**Rule :** DIP_KF_VAL

In this rule, we've listed the Datafield type expressed in value (amount).

Table Content /BIC/PC_GLBFILT: 4 of 4

| /BIC/C_STREAM | /BIC/C_RULE | /BIC/C_GLBFILT | OBJVERS | CHANGED | /BIC/C_DESC | /BIC/C_SIGN | /BIC/C_OPTION | /BIC/C_LOW | /BIC/C_HIGH | /BIC/C_ACTIVE |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | DIP_KF_VAL | 001 | A | | Datafield type is an amount key figure | I | EQ | PROJECTED_INVENTORY | | Y |
| DPS | DIP_KF_VAL | 002 | A | | Datafield type is an amount key figure | I | EQ | UNIT_PURCH_EURO | | Y |
| DPS | DIP_KF_VAL | 003 | A | | Datafield type is an amount key figure | I | EQ | PRICE_ADVISOR_IMPACT | | Y |
| DPS | DIP_KF_VAL | 004 | A | | Datafield type is an amount key figure | I | EQ | STD_COST_SAP | | Y |

This Global filter variables are used in t**he transformation between AADPDY06 & APDPDY07** to make the assignment.

Some datafield types are also defined in hours on Dynasys. There is no changes on the value but only on the unit. All datafields defined with the "H" unit are listed in the global filter rule : **DIP_KF_HR**

Data Browser: Table /BIC/PC_GLBFILT Select Entries 3

Table: /BIC/PC_GLBFILT

| Stream | Rule | Counter | V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | DIP_KF_HR | 001 | A | | Datafield type expressed in H | I | EQ | AVAILABLE_CAPA | | Y |
| DPS | DIP_KF_HR | 002 | A | | Datafield type expressed in H | I | EQ | PROD_PLANNED_HR | | Y |
| DPS | DIP_KF_HR | 003 | A | | Datafield type expressed in H | I | EQ | PROD_CAPA_HR | | Y |

**In this case the unit assigned to the key Figure will be "H" (hour) .** This assignment is done in the end routine of the transformation between AADPDY06 & APDPDY07.

## DiP-PP - Shipping Site (Plant) & Receiving Site (Site)

**Transactional data :**

For the DiP reporting, some datafields are defined with only a Shipping site and some with also a Receiving site.

Datafields source :

- view **EXP_DIP_BW_SKU_BW** for datafields type without receiving type
- view **EXP_DIP_BW_SKU_SITE**_BW for datafields type with a receiving type

Following the cases, Shipping site and Receiving site can be :

1. A site (plant)
2. A ShipTo (customer)

The assignment is done in the propagation Layer :

- AADPDY06 -> APDPDY07 :
  - **Shipping site** : SHIPPINGSITE_COD => **C_DYN_068**
- AADPDY07 -> APDPDY08 :
  - **Shipping site** : SHIPPINGSITE_COD => **C_DYN_068**
  - **Receiving site** : RECEIVINGSITE_CO => **C_DYN_025**

**Master data :**

Somes attributes associated to Shipping and Receiving site are send by Dynasys tool with the datasource **DTS_CV_EXP_DIP_BW_MD_SKU_BW** based on the Dynasys view **EXP_DIP_BW_MD_SKU_BW.**

The content of the view is stored in the master data **C_DYN_074 (Shipping site).**

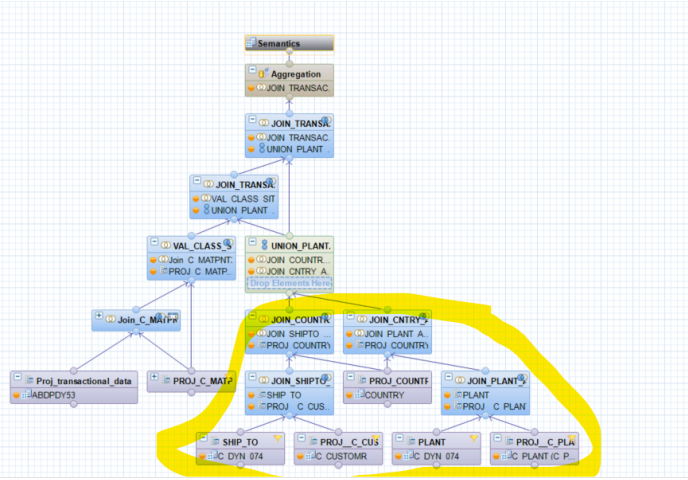
There is also another master data **C_DYN_084 (Receiving site) which is in reference of C_DYN_074**

To determine if a Shipping (receiving) Site is a plant or a ship-to, we'll use the attribute "TYPE_OF_SITE" C_DYN_078.

IF TYPE_OF_SITE = SHIPTO => Shipping or receiving site is a ShipTo code

ELSE => Shipping site or receiving site is a Plant code

This test is used in the calculation view CV_DY_DIP_REPORTING to catch attributes from C_PLANT or C_SHIPTO master data following the record :




It is also used to know where the description have to be loaded.

IF it's a shipTo, the description is loaded from C_CUSTID.

If it's a plant, the description is loaded from C_PLANT.

The check is done in the transformation between the different master data :

- C_PLANT => C_DYN_074 (Shipping Site description if it's a plant)
- C_SHIPTO => C_DYN_074 (Shipping Site description if it's a shipTo)
- C_PLANT => C_DYN_084 (Receiving Site description if it's a plant)
- C_SHIPTO => C_DYN_084 (Receiving Site description if it's a shipTO)

BW objects assignments are described in details here.

There is another specific master data **C_DYN_071** (material /plant) that is loaded from the ADSO **APDPDY06** (view EXP_DIP_BW_SKU_BW).

A filter at the DTP level load only these datafields in the master data :

- PRICE_ADVISOR => C_DYN_080
- PRICE_ADVISOR_IMPACT => C_DYN_081
- SHSRLT => C_DYN_072
- STD_COST_SAP =>C_DYN_082

**Assignment between transactional and master data :**

The assignment is done in the calculation view in the projection of the ADSO ABDPDY53 :

- C_DYN_074 (master data Shipping Site) = **C_DYN_068** (Transactional data)
- C_DYN_084 (master data Receiving Site) = **C_DYN_025** (Transactional data)

## DiP-PP - Logsys assignment

The assignment of LOGSYS field is done on BW between acquisition and propagation layer reading by default the extension of the material code send by Dynasys.
=> See the end routine of the transformation between ADSO AADPDY06  ADSO APDPDY07

But for some Datafields type, **there is no Material code**, we must use and read the extension of **Shipping site code** send by Dynasys to determine the LOGSYS
Datafields coming from the view **SKU_MAIN_SITE** always have a Material Code assigned.
See below the list of Datafields type **without Material code** :

| |
|---|
| AVAILABLE_CAPA |
| BALANCE |
| BALANCE_CUMUL |
| CAPA_USED_BY_PLAN |
| LOAD |
| PROD_REQ_BY_RESOURCE |

In the end routine, we are using a Global filter entry with the list of these datafield type to determine if we are usgin the material or the shipping code to determine the logsys :

**Stream :** DPS
**Rule :** DIP_LOGSYS

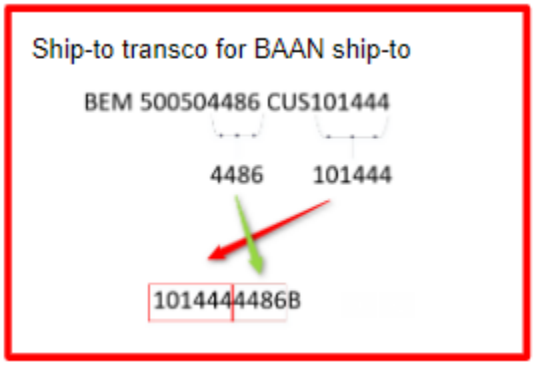
Table Content /BIC/PC_GLBFILT: 6 of 6

| /BIC/C_STREA... | /BIC/C_RULE | /BIC/C_GLBFI... | OBJVERS | CHANG... | /BIC/C_DESC | /BIC/C_SI... | /BIC/C_OPTION | /BIC/C_LOW | /BIC/C_HIGH | /BIC/C_ACTIVE |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | DIP_LOGSYS | 001 | A | | Use the shipping code to determine t... | I | EQ | AVAILABLE_CAPA | | Y |
| DPS | DIP_LOGSYS | 002 | A | | Use the shipping code to determine t... | I | EQ | BALANCE | | Y |
| DPS | DIP_LOGSYS | 003 | A | | Use the shipping code to determine t... | I | EQ | BALANCE_CUMUL | | Y |
| DPS | DIP_LOGSYS | 004 | A | | Use the shipping code to determine t... | I | EQ | CAPA_USED_BY_PLAN | | Y |
| DPS | DIP_LOGSYS | 005 | A | | Use the shipping code to determine t... | I | EQ | LOAD | | Y |
| DPS | DIP_LOGSYS | 006 | A | | Use the shipping code to determine t... | I | EQ | PROD_REQ_BY_RESOURCE | | Y |

## AERO- Transcodification for BAAN Ship-to

Ship-to BAAN are longer than SAP Ship-to (10 characters). For technical reason and to fit into the 10 character SAP Ship-to, a transcodification has been handle on DynaSys side.

BW receives directly result of the transcodification, and consider it as the Ship-to.




BEM  xxxx CUS xxx can be found in masterdata C_DYN_024

Data Browser: Table /BIC/PC_DYN_024 Select Entries 1

| Source Syste... | Ship-to (incl.Prosp) | V | Change flag ( I inserted / D deleted ) | Location | Country | Flag Prospect | Region | BAAN Short Name |
|---|---|---|---|---|---|---|---|---|
| BAAN | 00000000001014444486 | A | | ST. LOUIS | US | | MO | BEM 500504486 CUS101444 |

## AERO- How Program/Market assignement works ?

Always refer to Dataflow for a better understanding => DynaSys Reporting Dataflow

1) Program/Market assignment is managed in DynaSys. at Material/Ship-to/Distribution Channel/Main spec/Month level

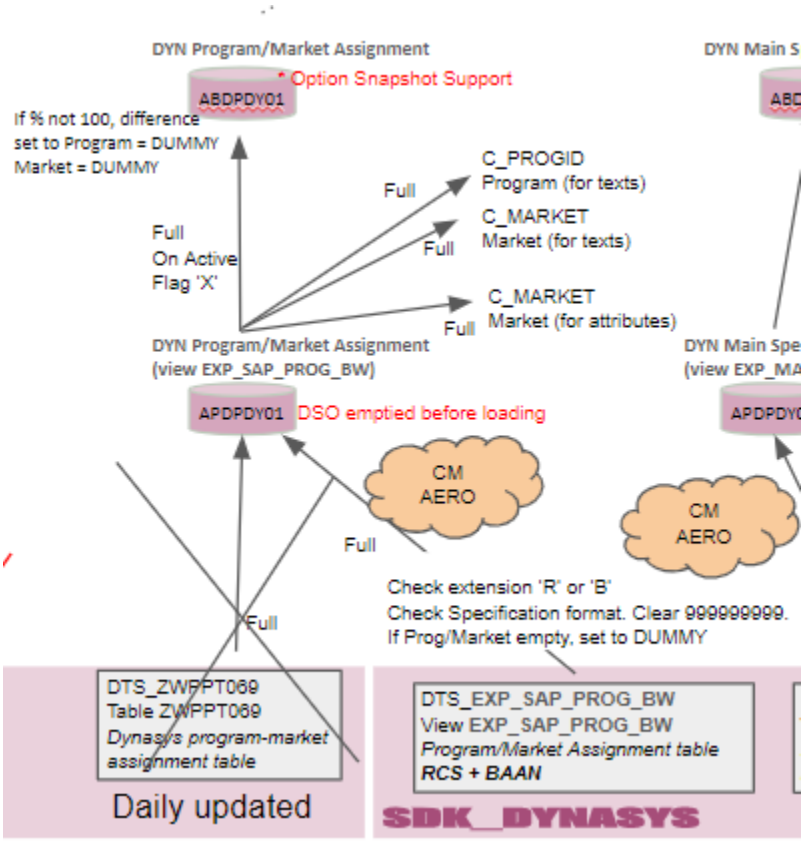
2) assignments are uploaded into BW daily from monday to friday at 10.15pm from DynaSys view EXP_SAP_PROG_BW

NB : on BW a rule put value DUMMY if assignement is provided from DynaSys without program or if the sum of percentages are different from 100%.

Data Browser: Table /BIC/AAPDPDY012 Select Entries 3

| Source Syste... | Material with System Extension | Customer with System Extensi... | Distribution Channel with System Exte... | Main Specification ID | Aero-Progra... | R | Program text | Aero-Market | Market Text | Program Percentage | Strategic Flag | Active Flag | Aero-Market Gro... |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SDK_DYNASY | 12550008B | 10071006398 | 0BR | 00015452 | 00000004 | N | 737 FAMILY | 00004 | Boeing Com... | 0,320 | | X | Boeing Commerc... |
| SDK_DYNASY | 12550008B | 10071006398 | 0BR | 00015452 | 00000011 | N | 787 FAMILY | 00004 | Boeing Com... | 0,650 | | X | Boeing Commerc... |
| SDK_DYNASY | 12550008B | 10071006398 | 0BR | 00015452 | 00000014 | N | 767 | 00004 | Boeing Com... | 0,030 | | X | Boeing Commerc... |

100 %

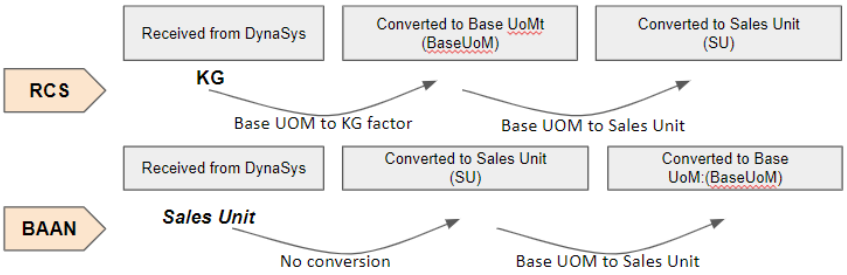



## AERO- How conversion to Base Unit or Sales Unit works ?

**BAAN quantities are provided in Sales Unit (SU).**

As this point was discoverd late during the project, and as BW model is mostly designed to collect only quantities in KG, BAAN quantities are stored in KG keyfigures.

So keep in mind, **the unit is Not the correct one for all KG keyfigures**




**Factors** :
View EXP_DFU_OTHER_BW
Field UOM_SU
Field UOM_KG

**Base UoM** (at material level) :
For RCS Material => from WP1 Material master
For BAAN Material => from DynaSys
View EXP_MATERIAL_BAAN_BW

**Sales Unit** (at DFU level) :
View EXP_DFU_OTHER_BW

C_DYN_043 ⇨factors and units are re-calculated to be used in calculation view CV_DY_BL_DYN22_CPDYN11

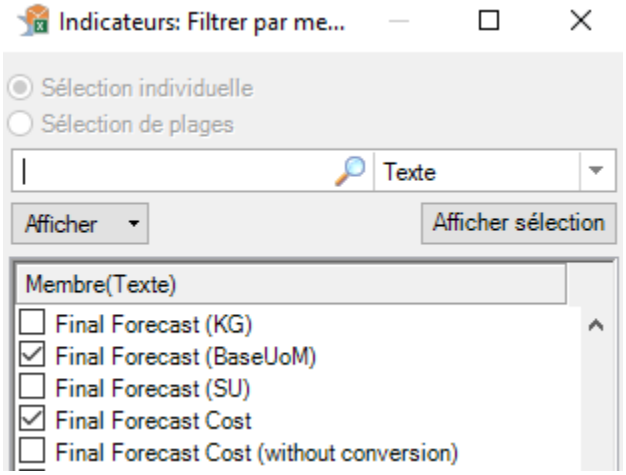
| | |
|---|---|
| K_DYN_153 | KG to Base UOM conv. factor (rule) |
| K_DYN_154 | Base UOM to Sales Unit conv. factor (rule) |
| U_DYN_003 | Base Uom (DynaSys) |
| U_DYN_002 | Sales Unit (DynaSys) |

**Rules for RCS** :
If Base UoM or 'Base UOM to KG factor' is empty => Base UoM = KG / factor = 1
Else Base UoM is stored and factor = 1/factor
IF Sales Unit or 'Base UOM to Sales Unit factor' is empty => Sales Unit = Base UoM / factor = 1
Else Sales Unit and factor are stored
**Rules for BAAN** :
If Sales Unit is empty, Sales UoM = KG
If Base UoM or 'Base UOM to Sales Unit factor' is empty => Base Uom = Sales Unit / factor = 1
Else Base Uom is stored and factor = 1/factor
**NB**: *'Base UOM to KG factor' is not used for BAAN*

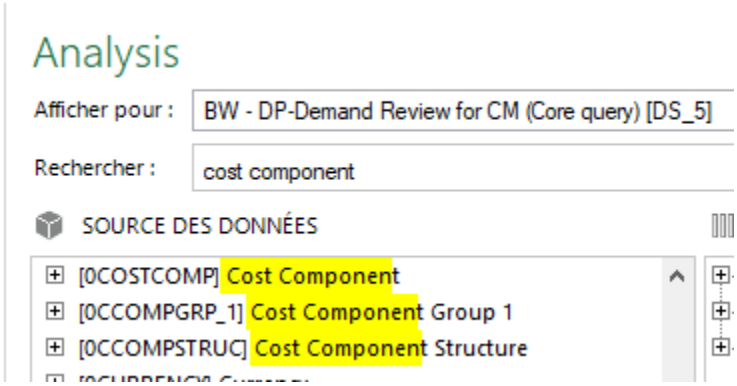
## AERO- How the Final Forecast Cost is calculated ?

The Final Forecast Cost is a key figure available in the report :

| | | | | | Final Forecast (BaseUoM) | Final Forecast Cost |
|---|---|---|---|---|---|---|
| **Source System** | **Material** | | **Forecast Customer** | | M | $ |
| WP1 Client 400 | 160704 | 985-1-45%-G120-105-1000 | 2072654 | SALVER SPA | 485 | 1 116,450 |
| | | | 2073269 | LEONARDO SPA | 5 101 | 12 185,540 |
| | | | 2079914 | AVIOCOST SPA | 134 | 307,870 |
| | | | **Result** | | **5 720** | **13 609,860** |



We also have 3 characteristics available and associated to these key figures :



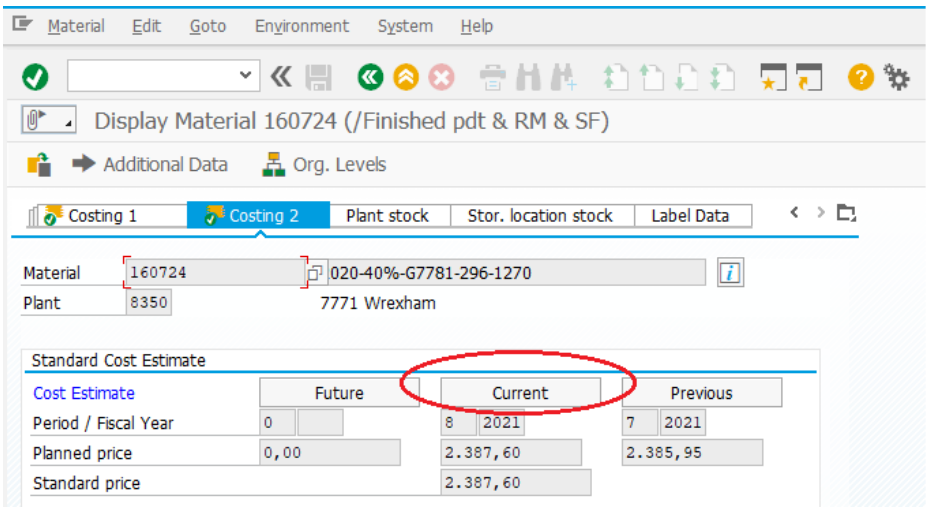

## Storage on BW

The material cost are loaded at the beginning of every month in the cube **CUB_PCP01.**

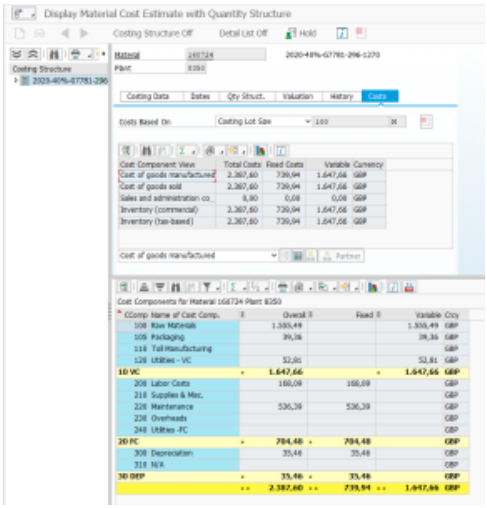
it means the **product cost is depending of the month,** each month we can have the same value or a different one.

in SAP, we can check the cost in MM03 => Sheet : Costing 2.

Example : Material 160704 / Plant : 8350




=>

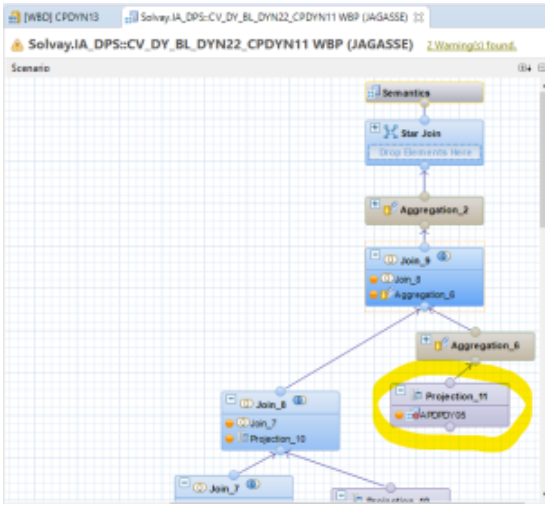


On the BW Dynasys application, we load these same costs and stored them in the ADSO **APDPDY05.**

Data Browser: Table /BIC/AAPDPDY052 Select Entries 259

| Source System | Material | Plant | Fiscal year / period | Fiscal year variant | Cost Component | Cost Component Structure | R | Cost Curren... | Posting period | Fiscal year | Unit Cost | Lot Size | Unit of measure | Fixed amount | Variable amount | Currency key | Cost Co... | Calendar Year/Month |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 100 | Z1 | | GBP | 007 | 2021 | 5,92 | 350 | M | 0,00 | 2.071,94 | GBP | 10 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 105 | Z1 | | GBP | 007 | 2021 | 0,32 | 350 | M | 0,00 | 110,55 | GBP | 10 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 120 | Z1 | | GBP | 007 | 2021 | 0,17 | 350 | M | 0,00 | 60,70 | GBP | 10 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 200 | Z1 | | GBP | 007 | 2021 | 0,86 | 350 | M | 300,81 | 0,00 | GBP | 20 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 220 | Z1 | | GBP | 007 | 2021 | 2,47 | 350 | M | 863,58 | 0,00 | GBP | 20 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021007 | K4 | 300 | Z1 | | GBP | 007 | 2021 | 0,16 | 350 | M | 54,28 | 0,00 | GBP | 30 | 202107 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 100 | Z1 | N | GBP | 008 | 2021 | 5,92 | 350 | M | 0,00 | 2.071,94 | GBP | 10 | 202108 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 105 | Z1 | N | GBP | 008 | 2021 | 0,32 | 350 | M | 0,00 | 110,55 | GBP | | 202108 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 120 | Z1 | N | GBP | 008 | 2021 | 0,17 | 350 | M | 0,00 | 60,70 | GBP | 10 | 202108 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 200 | Z1 | N | GBP | 008 | 2021 | 0,86 | 350 | M | 300,81 | 0,00 | GBP | 20 | 202108 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 220 | Z1 | N | GBP | 008 | 2021 | 2,47 | 350 | M | 863,58 | 0,00 | GBP | 20 | 202108 |
| WP1_400 | 000000000000160704 | 8350 | 2021008 | K4 | 300 | Z1 | N | GBP | 008 | 2021 | 0,16 | 350 | M | 54,28 | 0,00 | GBP | 30 | 202108 |

The ADSO is used in the calculation view **CV_DY_BL_DYN22_CPDYN11 :**




## Final Forecast Calculation

The Final Forecast Cost amount is calculated like below :

**FF Cost = Final Forecast (BaseUoM) * Product Cost**

The FF Cost is calculated for each month in the past and **also in the future.**

As the product cost is not existing for the month in the future, we have copied the cost of the current month to the other month in the future.

Example : We are on August 2021, the lastest Cost value available is the cost of August 2021. T**hey are are copied until the end of Current Year + 2** (rule defined with business)

Each month, **the product costs in the future are re-calculated** based on the latest cost values loaded and available.

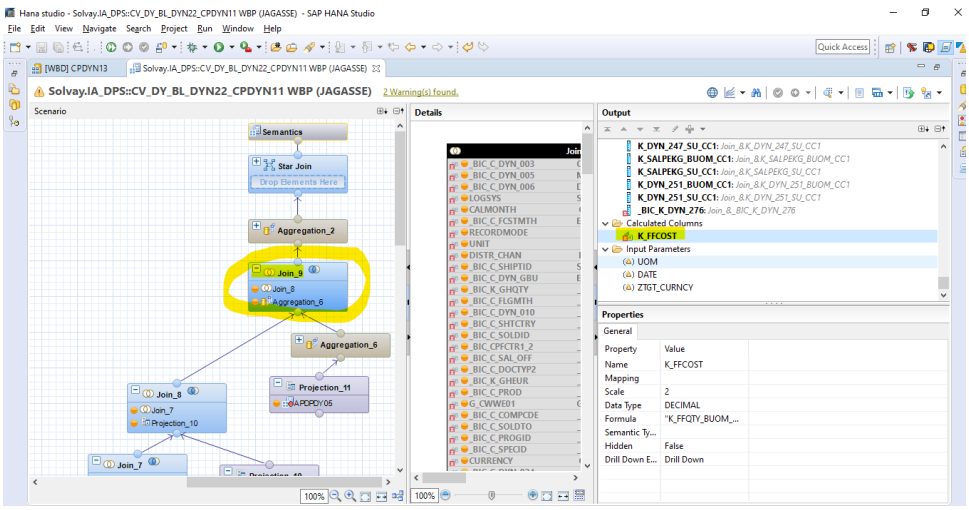
We also apply the latest product cost to the **previous month of the same year.**

**Example 1 :** We are on August 2021, the lastest Cost value available is the cost of August 2021. Cost Values are copied on January 2021, February 2021 etc...

**Example 2 :** We are in January 2022, the cost values of december 2021 will not be updated with the cost values of january 2022.
We keep the last version of cost for december 2021 and copy them in all the months of the year 2021.

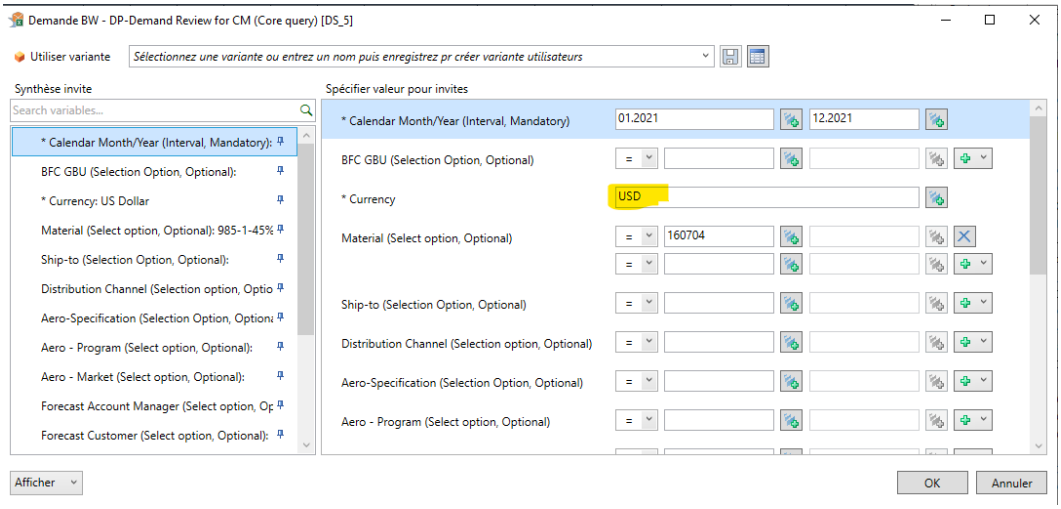
On BW, it's done in the transformation of ADSO APDPDY05 on itself.

The calculation of the FF Cost is done at the calcualtion view level because we need Final Forecast (BaseUoM) quantities :




## Exchange Rate

As the product cost are defined in the local currency, we have given the possibility to convert in a target currency (USD in our case) at the Query level :




**We are using the same exchange rate for the amount measures in the report => CAR4.**

Please find below a summary of the FF Cost calculation based on the previous rules exposed.

Example : Vision of August 2021, if we run the report for year 2021

| Month | FF Cost calculation |
|---|---|
| January | Final Forecast Cost = **August** product cost x **January** currency exchange rate *(to USD)* x **January** Final Forecast (BaseUoM) |
| February | Final Forecast Cost = **August** product cost x **February** currency exchange rate *(to USD)* x **February** Final Forecast (BaseUoM) |
| March | Final Forecast Cost = **August** product cost x **March** currency exchange rate *(to USD)* x **March** Final Forecast (BaseUoM) |
| April | Final Forecast Cost = **August** product cost x **April** currency exchange rate *(to USD)* x **April** Final Forecast (BaseUoM) |
| May | Final Forecast Cost = **August** product cost x **May** currency exchange rate *(to USD)* x **May** Final Forecast (BaseUoM) |
| June | Final Forecast Cost = **August** product cost x **June** currency exchange rate *(to USD)* x **June** Final Forecast (BaseUoM) |
| July | Final Forecast Cost = **August** product cost x **July** currency exchange rate *(to USD)* x **July** Final Forecast (BaseUoM) |
| August | Final Forecast Cost = **August** product cost x **August** currency exchange rate *(to USD)* x **August** Final Forecast (BaseUoM) |
| September | Final Forecast Cost = **August** product cost x **August** currency exchange rate *(to USD)* x **September** Final Forecast (BaseUoM) |

| | |
|---|---|
| October | Final Forecast Cost = **August** product cost x **August** currency exchange rate *(to USD)* x **October** Final Forecast (BaseUoM) |
| November | Final Forecast Cost = **August** product cost x **August** currency exchange rate *(to USD)* x **November** Final Forecast (BaseUoM) |
| December | Final Forecast Cost = **August** product cost x **August** currency exchange rate *(to USD)* x **December** Final Forecast (BaseUoM) |

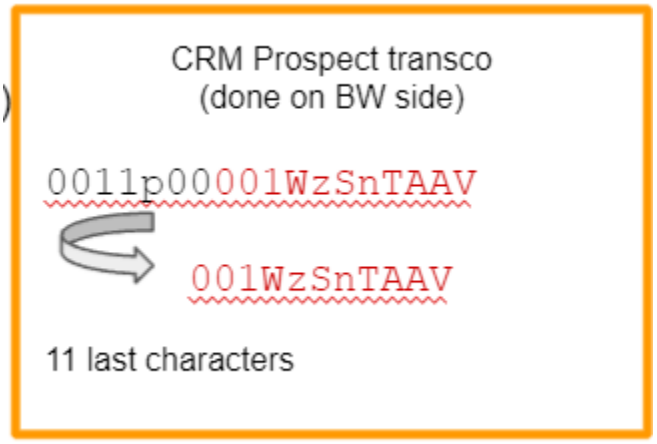
### CRM Prospect transcodification (18C>11C)

Prospects were not part of initial DynaSys project, so Ship-to lenght has been based on SAP Ship-to, 10 characters (11 characters to add extension B or R).

In reality CRM Prospect are defined in CRM on 18 characters (contact on CRM side josiane.peytraud@solvay.com)

A transcodification on 11 characters has been put un place on BW site to fit BW object defined on 11 characters.

Class ZBW_DPS_DYNASYS_UTILS => method GET_PROSPECT_TRANSCODED




* Some explanation from CRM team about CRM Prospect Code
* Positions 1,2,3 = type of object or table.For prospect, value is always 001
* Positions 4,5 = organisation, value is currently 24 or 1p for CRM Core
* Position 6 = reserved for SalesForce
* Position 7 to 15 = counter but sensible to upper/lower case
* Position 16,17,18 = important for unicity if upper/lower case is not kept

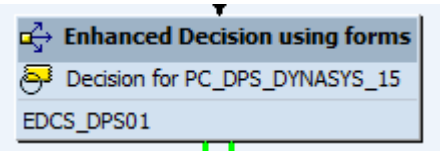
CRM Prospect Code is on 18 characters, has to be cut to fit 11 characters
Ex= 0011p00001WzSnTAAV => 001WZSNTAAV

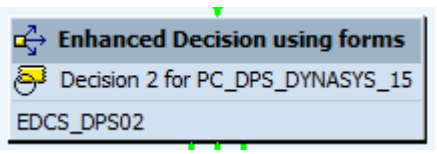
## Dependencies with other applications

## Data loadings

### Process Chains

| Process Chain | Code | Type | Frequency | Comments |
|---|---|---|---|---|

<table>
<tr>
<td>DPS Dynasys: META - M - 6.Reporting DynaSys (Snapshots)</td>
<td>PC_DPS_DYNASYS_09</td>
<td>MAIN</td>
<td><ul><li>Monthly, the 6th of the month at 6am</li><li>Whole chain last around 10 minutes (07/10 /2016)</li></ul></td>
<td>Based on Table EXP_FORE (daily update, by 1.45am even if BW loading is monthly)<br><br>The SnapShot month (End of Month View/C_FCSTMTH) is automatically set to previous month.<br><br>Global filter variable (C_GLBFILT) DPS/PHOTO_MTH can be used to fix another SnapShot month.<br><br>Caution : do not launch this chain several times a month without cleaning previous loadings<br><br>Info : started at 3am changed to 6am on DynaSys Team request (07/07/2017). EXP_FORE was not ready at 3am due to longer treatments on DynaSys side</td>
</tr>
<tr>
<td>DPS Dynasys: META - D - 6. Reporting DynaSys (Dynamic KPIs)</td>
<td>PC_DPS_DYNASYS_15</td>
<td>MAIN</td>
<td><ul><li>4 times a day</li><li>Whole chain last arount 30 to 45 minutes (06/08 /2020)</li></ul></td>
<td>Based on Table EXP_FORE_DR<br><br>05/01/2017: On DynaSys side, the treatment which prepares table EXP_FORE_DR takes more time, and now finishes around 2.45 (previously 1.45) => BW chain starter changed 2.30 am => 3.00 am<br><br>23/01/2017: The chain is planned hourly (with Calendar 14), but the loading will apply only for following time intervals (Decision Block)<br><br>21/02/2017: Run of 3 am has been cancelled because the DynaSys table was frequently empty when BW was collecting the data<br><br>31/10/2017: Still 4 runs a day, but whole loading will be done ONLY is DynaSys table EXP_FORE_DR has been updated (timestamps in table SYS_TIMESTAMP)<br><br>08/01/2018: 4 runs a day. Run of 10am has been changed to 7am<br><br>Data Browser: Table /BIC/PC_GLBFILT Select Entries 9<br><br>
<table>
<tr><th>/BIC/C_STREA</th><th>/BIC/C_RULE</th><th>/BIC/C_GLBFILT</th><th>OBJVE</th><th>CHANGED</th><th>/BIC/C_DESC</th><th>/BIC/C_SIGN</th><th>/BIC/C_OPTIO</th><th>/BIC/C_LOW</th><th>/BIC/C_HIG</th><th>/BIC/C_ACTIVE</th></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>002</td><td>A</td><td></td><td>PC_DPS_DYNASYS_15 => 2nd load (HHMMSS)</td><td>I</td><td>BT</td><td>070000</td><td>071500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>003</td><td>A</td><td></td><td>PC_DPS_DYNASYS_15 => 3rd load (HHMMSS)</td><td>I</td><td>BT</td><td>140000</td><td>141500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>004</td><td>A</td><td></td><td>PC_DPS_DYNASYS_15 => 4th load (HHMMSS)</td><td>I</td><td>BT</td><td>180000</td><td>181500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>005</td><td>A</td><td></td><td>PC_DPS_DYNASYS_15 => 5th load (HHMMSS)</td><td>I</td><td>BT</td><td>230000</td><td>231500</td><td>Y</td></tr>
</table>
<br>Decision block explanation :<br><br>Block 1<br><br> 

<br><br>1) Check if Decision Block has to be bypassed<br><br>Characteristic C_GLBFILT - maintain master data: List<br>Data Records to be Edited<br>
<table>
<tr><th>Stream</th><th>Rule</th><th>Counter</th><th>Global Filter Descri</th><th>Sign</th><th>Option</th><th>Low</th><th>Hight</th><th>Active</th></tr>
<tr><td>DPS</td><td>PCH_DYN15A</td><td>1</td><td>Bypass decision bloc 1 in chain PC_DPS_DYNASYS_15</td><td>I</td><td>EQ</td><td>Y</td><td></td><td>N</td></tr>
</table>
<br>Variable can be activated If chain has to be forced to run<br><br>2) Else get loading times<br><br>Characteristic C_GLBFILT - maintain master data: List<br>Data Records to be Edited<br>
<table>
<tr><th>Stream</th><th>Rule</th><th>Counter</th><th>Global Filter Descri</th><th>Sign</th><th>Option</th><th>Low</th><th>Hight</th><th>Active</th></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>1</td><td>PC_DPS_DYNASYS_15 => 1st load (HHMMSS)</td><td>I</td><td>BT</td><td>030000</td><td>031500</td><td>N</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>2</td><td>PC_DPS_DYNASYS_15 => 2nd load (HHMMSS)</td><td>I</td><td>BT</td><td>100000</td><td>101500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>3</td><td>PC_DPS_DYNASYS_15 => 3rd load (HHMMSS)</td><td>I</td><td>BT</td><td>140000</td><td>141500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>4</td><td>PC_DPS_DYNASYS_15 => 4th load (HHMMSS)</td><td>I</td><td>BT</td><td>180000</td><td>181500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>5</td><td>PC_DPS_DYNASYS_15 => 5th load (HHMMSS)</td><td>I</td><td>BT</td><td>230000</td><td>231500</td><td>Y</td></tr>
<tr><td>DPS</td><td>PCH_DYN15</td><td>999</td><td>PC_DPS_DYNASYS_15 => For tests only !!!!</td><td>I</td><td>BT</td><td>113000</td><td>130000</td><td>N</td></tr>
</table>
<br>Block 2<br><br> 

</td>
</tr>
</table>

1) Check if Decision Block has to be bypassed

**Characteristic C_GLBFILT - maintain master data: List**

Data Records to be Edited

| Strea... | Rule | Counter | Global Filter Descri | Sign | Option | Low | Hight | Acti... |
|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15B | 1 | Bypass decision bloc 2 in chain PC_DPS_DYNASYS_15 | I | EQ | Y | | N |

Variable can be activated If chain has to be forced to run

2) Else get loading times. And check timestamps loaded from DynaSys (table SYS_TIMESTAMP / info for EXP_FORE_DR)

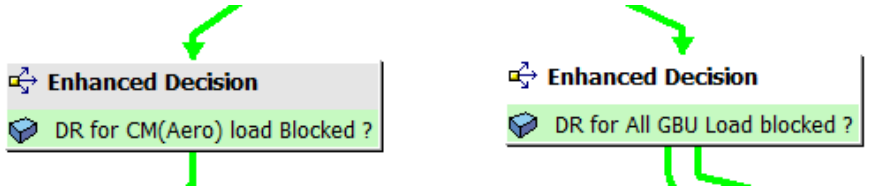
If timestamps between 2 loadings, the chain has to carry on

**Characteristic C_GLBFILT - maintain master data: List**

Data Records to be Edited

| Stream | Rule | Counter | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15 | 1 | PC_DPS_DYNASYS_15 => 1st load (HHMMSS) | I | BT | 030000 | 031500 | N |
| DPS | PCH_DYN15 | 2 | PC_DPS_DYNASYS_15 => 2nd load (HHMMSS) | I | BT | 100000 | 101500 | Y |
| DPS | PCH_DYN15 | 3 | PC_DPS_DYNASYS_15 => 3rd load (HHMMSS) | I | BT | 140000 | 141500 | Y |
| DPS | PCH_DYN15 | 4 | PC_DPS_DYNASYS_15 => 4th load (HHMMSS) | I | BT | 180000 | 181500 | Y |
| DPS | PCH_DYN15 | 5 | PC_DPS_DYNASYS_15 => 5th load (HHMMSS) | I | BT | 230000 | 231500 | Y |
| DPS | PCH_DYN15 | 999 | PC_DPS_DYNASYS_15 => For tests only !!!! | I | BT | 113000 | 130000 | N |

**DR for CM or DR for All GBU block**

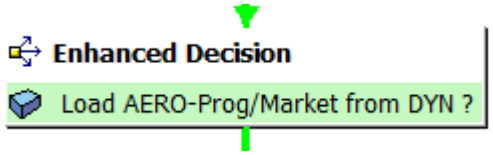



Data Browser: Table /BIC/PC_GLBFILT Select Entries 2

| /BIC/C_STREA | /BIC/C_RULE | /BIC/C_GLBFILT OBJVE | CHANGED | /BIC/C_DESC | /BIC/C_SIGN | /BIC/C_OPTIO | /BIC/C_LOW | /BIC/C_HIG | /BIC/C_ACTIVE |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15F | 001 A | | Block CM (AERO) load ? from EXP_AERO_DR_BW | I | EQ | N | | Y |
| DPS | PCH_DYN15G | 001 A | | Block load ? from EXP_FORE_DR_BW | I | EQ | N | | Y |

Change C_LOW by "Y" if loading has to be bypassed

**Load AERO-Prog/market from DynaSys ?**




Chain 15 is running 4 times a time, but Aero Prog/Market needs to be loaded only once a day, at 2pm.

Decision block is checking time, and also check the timestamp date = today's date

Data Browser: Table /BIC/PC_GLBFILT Select Entries 5

| /BIC/C_STREA | /BIC/C_RULE | /BIC/C_GLBFILT OBJVE | CHANGED | /BIC/C_DESC | /BIC/C_SIGN | /BIC/C_OPTIO | /BIC/C_LOW | /BIC/C_HIG | /BIC/C_ACTIVE |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15H | 001 A | | AERO-Prog/Market upload - time condition for PCH 28 | I | BT | 140000 | 143000 | Y |
| DPS | PCH_DYN15H | 002 A | | AERO-Prog/Market upload - view SYS_TIMESTAMP - field SOURCE | I | EQ | BW | | Y |
| DPS | PCH_DYN15H | 003 A | | AERO-Prog/Market upload - view SYS_TIMESTAMP - field TYPE | I | EQ | TECH : EXPORT SA | | Y |
| DPS | PCH_DYN15H | 004 A | | AERO-Prog/Market upload - view SYS_TIMESTAMP - field TABLE | I | EQ | EXP_SAP_PROGRAM | | Y |
| DPS | PCH_DYN15H | 005 A | | AERO-Prog/Market upload - Check timestamp date ? | I | EQ | X | | Y |

| | | | | |
|---|---|---|---|---|
| | | | | Table /BIC/ADPDYN3900 Display<br><br>REQUEST: DTPR_5MTQ18XHFB2CBWSGC7S13K94V<br>DATAPAKID: 1<br>RECORD: 2<br><br>/BIC/C SOURCE2: BW<br>/BIC/C TABLE: EXP_SAP_PROGRAM<br>/BIC/C TYPE2: TECH : EXPORT SAP PROGRAM<br>RECORDMODE:<br>/BIC/C TIMESTP: 20200805112835<br><br>**Email Messages send at chain's end to inform DynaSys Team + list of Users + BW DynaSys Team when data is up to date**<br><br>see procedure for details of message<br><br>=> Modify email message for DR data disponibility sent to users (All GBU except CM (aero))<br><br>=> Modify email message for DR data disponibility sent to users (GBU CM (aero) |
| DPS Dynasys: META - M - 6.Reporting DynaSys (MasterData) | PC_DPS_DYNASYS_23 | MAIN | • Daily at 22.15pm | A remaining issue :<br><br>• DTP DBDYN33 -> C_DYN_017 - Full => dupplicates on Ship-to 703581S / SDSOA<br>cause : the DC is not filled for all loadings (subject in progress Julien/Emmanuel)<br>solution : the DTP has to handle dupplicates (done only in WBP as solution is temporarly<br><br>Issue solved :<br><br>• DTP DBDYN12 -> C_DYN_018 - Full => dupplicated on Ship-to 66946R<br>cause: specific rule for plant 8000 is not applied for Ship-to with extension (subject in progress Julien/JC)<br>solution: in DSO DBDYN12 delete line with Ship-to 66946R / Plant 8000 |
| DPS Dynasys: META - D - 6. Reporting DynaSys (Obas data) | PC_DPS_DYNASYS_20 | MAIN | • Daily at 6.15 am (changed 21/11 /2017) | **Temporarly schedulling! this chain has to be added in Obas chain or launched via an Obas event** |
| DPS Dynasys: TD - D - Reporting Dynasys (DIP Inventory KPIs) | PC_DPS_DYNASYS_33 | MAIN | • 4 times a day<br>• Whole chain last arount 20 mintutes (April 2022) | Based on Table **EXP_DIP_BW_SKU_SITE_BW, EXP_DIP_BW_SKU_BW & EXP_DIP_BW_MD_SKU_BW.**<br><br>Stream Rule / Counter V / Change flag ( I inserted / D deleted ) / Global Filter Descri / Sign / Option / Low / Hight / Active<br>DPS PCH_DYN15M 000 A<br>DPS PCH_DYN15M 001 A Sub Chain PC_DPS_DYNASYS_33 => 1st load (HHMMSS) I BT 100000 101500 Y<br>DPS PCH_DYN15M 002 A Sub Chain PC_DPS_DYNASYS_33 => 2nd load (HHMMSS) I BT 110000 111500 Y<br>DPS PCH_DYN15M 003 A Sub Chain PC_DPS_DYNASYS_33 => 3rd load (HHMMSS) I BT 140000 141500 Y<br>DPS PCH_DYN15M 004 A Sub Chain PC_DPS_DYNASYS_33 => 4st load (HHMMSS) I BT 180000 181500 Y<br>DPS PCH_DYN15M 005 A Sub Chain PC_DPS_DYNASYS_33 => 5st load (HHMMSS) I BT 230000 231500 Y<br><br>**Decision block explanation** :<br><br>**Block 1**<br><br>Enhanced Decision using forms<br>Decision for PC_DPS_DYNASYS_15<br>EDCS_DPS01<br><br>1)Check if Decision Block has to be bypassed |

**Characteristic C_GLBFILT - maintain master data: List**

Data Records to be Edited

| Stream | Rule | Counter | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15A | 1 | Bypass decision bloc 1 in chain PC_DPS_DYNASYS_15 | I | EQ | Y | | N |

Variable can be activated If chain has to be forced to run

2) Else get loading times

| Stream | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15M | 000 A | | | | | | | |
| DPS | PCH_DYN15M | 001 A | | Sub Chain PC_DPS_DYNASYS_33 => 1st load (HHMMSS) | I | BT | 100000 | 101500 | Y |
| DPS | PCH_DYN15M | 002 A | | Sub Chain PC_DPS_DYNASYS_33 => 2nd load (HHMMSS) | I | BT | 110000 | 111500 | Y |
| DPS | PCH_DYN15M | 003 A | | Sub Chain PC_DPS_DYNASYS_33 => 3rd load (HHMMSS) | I | BT | 140000 | 141500 | Y |
| DPS | PCH_DYN15M | 004 A | | Sub Chain PC_DPS_DYNASYS_33 => 4st load (HHMMSS) | I | BT | 180000 | 181500 | Y |
| DPS | PCH_DYN15M | 005 A | | Sub Chain PC_DPS_DYNASYS_33 => 5st load (HHMMSS) | I | BT | 230000 | 231500 | Y |

**Block 3**

**Enhanced Decision using forms**

Decision 3 for PC_DPS_DYNASYS_15

EDCS_DPS06

1)Check if Decision Block has to be bypassed

| Strea | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15L | 001 A | | Bypass decision bloc 3 in chain PC_DPS_DYNASYS_15 | I | EQ | N | | Y |

Variable can be activated If chain has to be forced to run

2) Else get loading times. And check timestamps loaded from DynaSys (tableSYS_TIMESTAMP / info for EXP_DIP_BW)

| Strea | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15N | 000 A | | | | | | | |
| DPS | PCH_DYN15N | 001 A | | DIP/PP reporting - view SYS_TIMESTAMP - field SOURCE | I | EQ | BW | | Y |
| DPS | PCH_DYN15N | 002 A | | DIP/PP reporting - view SYS_TIMESTAMP - field TYPE | I | EQ | TECH : EXPORT BW | | Y |
| DPS | PCH_DYN15N | 003 A | | DIP/PP reporting - view SYS_TIMESTAMP - field TABLE | I | EQ | EXP_DIP_BW | | Y |

If timestamps between 2 loadings, the chain has to carry on

| Stream | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15M | 000 A | | | | | | | |
| DPS | PCH_DYN15M | 001 A | | Sub Chain PC_DPS_DYNASYS_33 => 1st load (HHMMSS) | I | BT | 100000 | 101500 | Y |
| DPS | PCH_DYN15M | 002 A | | Sub Chain PC_DPS_DYNASYS_33 => 2nd load (HHMMSS) | I | BT | 110000 | 111500 | Y |
| DPS | PCH_DYN15M | 003 A | | Sub Chain PC_DPS_DYNASYS_33 => 3rd load (HHMMSS) | I | BT | 140000 | 141500 | Y |
| DPS | PCH_DYN15M | 004 A | | Sub Chain PC_DPS_DYNASYS_33 => 4st load (HHMMSS) | I | BT | 180000 | 181500 | Y |
| DPS | PCH_DYN15M | 005 A | | Sub Chain PC_DPS_DYNASYS_33 => 5st load (HHMMSS) | I | BT | 230000 | 231500 | Y |

**Block only Master Data DIP/PP (view EXP_DIP_BW_MD_SKU_BW)**

Change value of the following global filter variable to by-pass the step :

| Strea | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15I | 001 A | | Block load ? from EXP_DIP_BW_MD_SKU_BW | I | EQ | N | | Y |

**Block only SKU DIP/PP (view EXP_DIP_BW_SKU_BW)**

Change value of the following global filter variable to by-pass the step :

| Strea | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15J | 001 A | | Block load ? from EXP_DIP_BW_SKU_BW | I | EQ | N | | Y |

**Block only SKU SITE DIP/PP (view EXP_DIP_BW_SKU_SITE_BW)**

Change value of the following global filter variable to by-pass the step :

| Strea | Rule | Counter V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15K | 001 A | | Block load ? from EXP_DIP_BW_SKU_SITE_BW | I | EQ | N | | Y |

**Email Messages send at chain's end to inform DynaSys Team + list of Users + BW DynaSys Team when data is up to date**

see procedure for details of message

| | | | | |
|---|---|---|---|---|
| | | | | =>Modify email message for DIP/PP data disponibility sent to users<br>=>Add or remove email address in distribution list for DiP-PP reporting |

## 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

| Query | Description | Type | Role Menu | Comments |
|---|---|---|---|---|
| BW_QRY_MVDYN11_0006 | BW - DP - Demand Review (Core query) | QRY | DP - Demand Planning | This query is being decommissioned (target early July 2023) |
| BW_QRY_MVDYN11_0001 | BW - DP - Budget Review (Core query) | QRY | DP - Demand Planning | |
| BW_QRY_MVDYN11_0005 | BW - DP - Forecast Accuracy (Core query) | QRY | DP - Demand Planning | |
| BW_QRY_MVDYN11_0007 | BW - DP - Segmentation Report (Core Query) | QRY | DP - Demand Planning | Asked by EP (Emmanuel Hatt)<br>To be decomissioned as not used (target early July 2023) |
| QVSBS_BW_QRY_MVDYN11_0001 | BW - DP - Demand Review for SBS Dashboard (QV) | QRY | | This query is used to provide Qlik View Forecast informations from APO / DynaSys and Logility.<br>QV application : CRM Analytics |
| QV_BW_QRY_MVDYN11_0005 | BW - DP - Forecast Accuracy (QV query) | QRY | | This query is used to provide Qlik View FA<br>QV application 1 : Novecare Suply Chain dashboard<br>QV application 2 : Global Supply Chain |
| ~~BW_QRY_MVSDSO01_0006~~ | ~~BW - Sales Follow Up ALL DYN (V2)~~ | ~~QRY~~ | | Obsolete query. It has been replace by :<br>▪ Soda Ash query = BW_QRY_MVSDSO54_0001<br>▪ General query = BW_QRY_MVSDSO54_0002 |

| | | | | |
|---|---|---|---|---|
| BW_WBK_DPS_0001 | BW - DP - Budget Review AROMA (Workbook) | WRK | | Workbook is based on query *BW - DP - Budget Review (Core query) /BW_QRY_MVDYN11_0001* |
| BW_WBK_DPS_0002 | *BW - DP - Budget Review SA&D (Workbook)* | WRK | | Workbook is based on query *BW - DP - Budget Review (Core query) /BW_QRY_MVDYN11_0001* |
| BW_QRY_CPDYN11_0006 | BW - DP - Demand Review for CM (Core query) | QRY | DP - Demand Planning | Project Solstice Aero |
| BW_QRY_CPDYN11_0005 | BW - DP - Forecast Accuracy for CM (Core query) | QRY | DP - Demand Planning | Project Solstice Aero |
| BW_QRY_CPDYN13_0001 | BW - DIP - Distribution Planning - Core Query | QRY | DiP - Distribution Planning | |
| BW_QRY_CPDYN13_0002 | BW - DIP - Distribution Planning - Inventory Data | QRY | DiP - Distribution Planning | Only datafields type "inventory" are available in that query. |
| BW_QRY_CPDYN14_0001 | BW - DP - MTP (Core query) | QRY | DP - Demand Planning | live from 07.2021 - used by Special Chem |
| DI_BW_QRY_CPDYN13_0001 | BW - DIP - Distribution Planning - Dataiku | QRY | | This query is used to provide Dataïku Forecast informations from DynaSys<br><br>SODA application : data sensing |

## Main functionalities

## Broadcast

# Maintenance

## Tips & Tricks

### Extract of 2019 Gross History as a reference

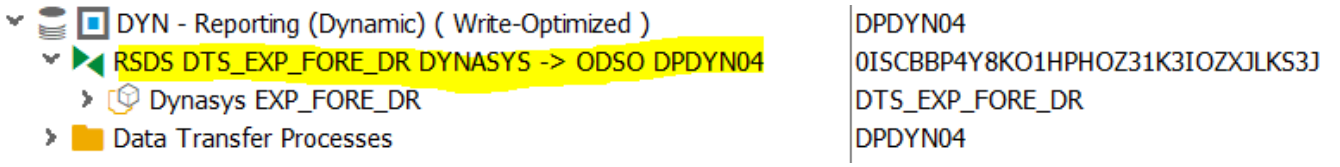
File with 2019 GH by GBU to have an idea of volume & net sales

## Known bugs

### Wrong amounts in Local Currency Yen (Currency JPY) - Issue closed

For low currency like JPY, SAP has its own internal format to store amounts.

Transformation has been adapted.

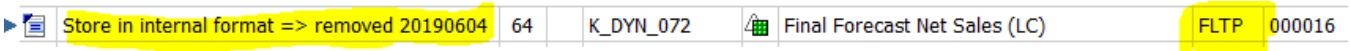



See routine

```
* NPC 20190214 Issue with low currency like JPY
*              amount were *100 in reporting

DATA: lv_Amount_Ext TYPE BAPICURR-BAPICURR.

lv_Amount_Ext = SOURCE_FIELDS-SALES_TEAM_NET_S.

CALL FUNCTION 'BAPI_CURRENCY_CONV_TO_INTERNAL'
EXPORTING
     currency       = SOURCE_FIELDS-LC
     amount_external              = lv_Amount_Ext
     max_number_of_digits    = 23
IMPORTING
     AMOUNT_INTERNAL              = RESULT.
```

Caution this internal format has to be applied **ONLY** to keyfigures type Currency (CURR)

For keyfigures type Float (FLTP) routine has been removed as amounts in JPY where divided by 100. Check keyfigure definition.




Example to check

Material 32787 / Ship-to 88719 / Distrib Channel 7K / Source System RCS / GBU Aroma PA

Material 135918 / Ship-to 2066945 / Distrib Channel 7F / Source System RCS / GBU Aroma PA

## Recurring procedure

### How to request support Interface/Reporting to BW team ? (access, assistance...)

see this page

### Reload a monthly snapshot from flat file

**Caution, the flow is always changing. The current mapping might not be up-to date and need to be adapted.**

**A snapshot reload by flat file has to be validated in WBQ first**

File structure to use

https://drive.google.com/file/d/11QAqsvnBf9-Uayasyl4SprUqs7RPaHXl/view

| End of Month View 202108 | Material with extension 1056718R | Shipto with extension 2084980R | Distribution Channel with extension F0R | Forecast Month M01-2022 | Final Sales Team Forecast FSTF_M1_QUANTITY | Sales Team Forecast STF_M1_QUANTITY | Raw Forecast RF_M1_QUANTITY | Final Forecast FF_M1_QUANTITY | Statistical Forecast STAF_M1_QUANTITY | CSR Forecast CSRF_M1_QUANTITY | Customer Forecast CF_M1_QUANTITY | Gross History GH_QUANTITY | Gross History in € GH_VALUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 202108 | 1150915 | 3053495 | TSFLO | M01-2022 | 0 | 0 | 140.008936 | 0 | 140.008 | 0 | 0 | 0 | 0 |

Particularities :

- decimal point has to be used
- GH quantity has to be up-to date, as it will then be considered as the more accurate one
- file should not contain ANY prospects (otherwise data activation is not possible)

Upload manually DPDYN01 / DYN - Reporting (SnapShots)

Then follow upper steps as in the process chain "DPS Dynasys: META - M - 6.Reporting DynaSys (Snapshots)" / PC_DPS_DYNASYS_09

Many reloads have been done to correct FA data or after organization changes

- April 2017 - SILICA - End of March snapshot reloading

- April 2022 - Merge CH to TS - all 2022

CH cleaning.csv

Reprise CH vers TS.csv

- July 2022 - TS (CH) - 6th March snapshot reload (request from Laure Pichot-Plasse / Aleksis Parfens)

Reprise TS - July 2022.csv

- Oct 2022 - Demerge TS to CH for periods from 10.2022
- April/May 2023 - rework on TS>CH demerge, period 01 to 09.2022 has been moved back to CH due to Sales Rep change which was not reflecting on FA from 01 to 09.2022

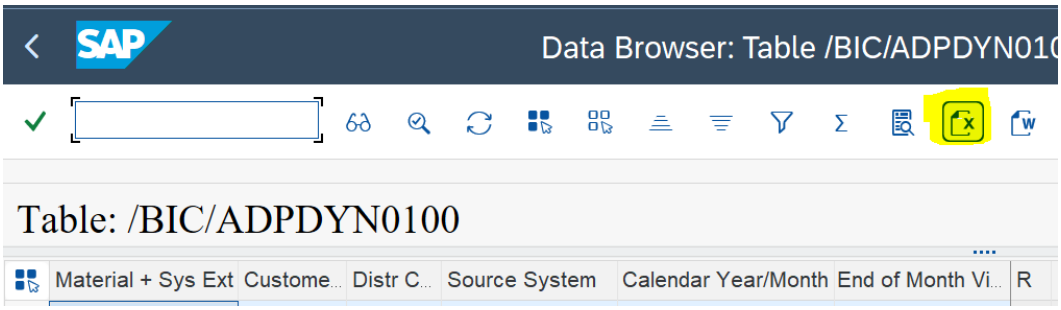
- July 2023 - PO2 Project - transcodification of PF1 DFU to new WP1 DFU

list of DFU to be transcoded (source DynaSys team)

1) prepare DFU file : split DFU new by Material/Ship-to/DC + split DFU old by Material/Ship-to/DC

2) extract all records from DPDYN01 regarding the Material/Ship-to/DC list (export xlsx)

NB: this extract contains also DFU which does not need to be transcoded (other combination Material/Ship-to/DC)




3) keep only DFU which need to be transcoded (build DFU as "198724S:2900375S@CSHHP" and do a vlookup with "DFU file")

4) copy/past records, sort by DFU/Month/Source System (WBP_HANAIV before SDK_DYNASY), remove duplicates

5) to limite number of volumes End of Month View > Forecast Month can be removed (these records will lead to a concerned period = N/A and have to be ignored for FA)

6) add a vlookup with "DFU file" to get new material, new ship-to, new DC

7) reorganize xlsx with following format

| End of Month View 202108 | Material with extension 105671R | Shipto with extension 2084980R | Distribution Channel with extension FOR | Forecast Month M01-2022 | Final Sales Team Forecast FSTF_M1_QUANTITY | Sales Team Forecast STF_M1_QUANTITY | Raw Forecast RF_M1_QUANTITY | Final Forecast FF_M1_QUANTITY | Statistical Forecast STAF_M1_QUANTITY | CSR Forecast CSRF_M1_QUANTITY | Customer Forecast CF_M1_QUANTITY | Gross History GH_QUANTITY | Gross History in € GH_VALUE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 202108 | 1150915 | 3053495 | TSFLO | M01-2022 | 0 | 0 | 140.008936 | 0 | 140.008 | 0 | 0 | 0 | 0 |

8) split file by source system SDK_DYNASY + WBP_HANAIV

9) change Global Filter to load SDK_DYNASY

Global Filter DPS/DYNASYS, put SDK_DYNASY

10) load the SDK_DYNASY

11) change back Global Filter to load WBP_HANAIV

Global Filter DPS/DYNASYS, put back WBP_HANAIV

12) load the WBP_HANAIV

13) Check result in DBDYN13 comparing few old DFU, vs new DFU

14) Build a file to delete old DFU, and follow deletion procedure

15) Recheck in DBDYN13

16) Reload CRDYN13

## Reload a monthly snapshot from DynaSys table EXP_FORE_BW

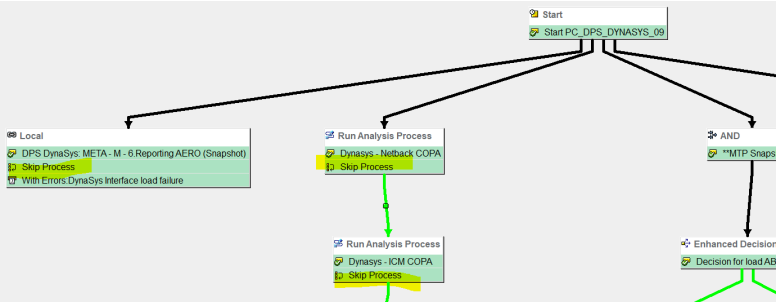
If it is concerning GBUs (except CM AERO), snapshot to reload has to be previously removed from all level :

- DBDYN13 / DYN - Reporting (SnapShots) : delete full request then the delta request
- DPDYN01 / DYN - Reporting (SnapShots) : delete delta for GH line creation then the full request
- + PSA (not mandatory as DTP is taking only last request)

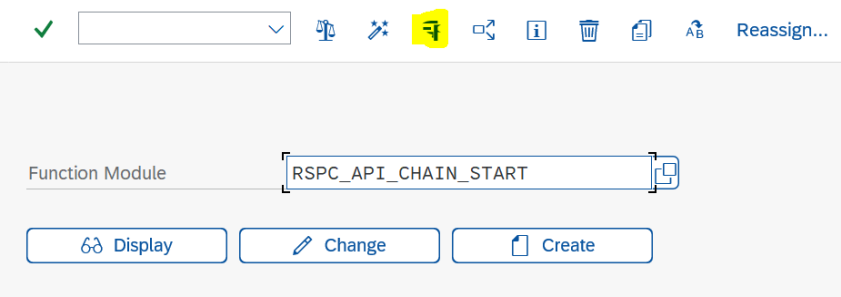
If it is also concerning CM AERO, do it also for

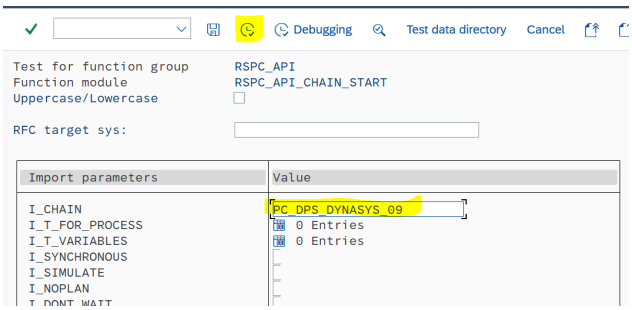
- ABDYN23 / DYN - Reporting AERO (Snapshots)
- APDYN07 / DYN - Reporting AERO (SnapShots)
- + PSA (not mandatory as DTP is taking only last request)

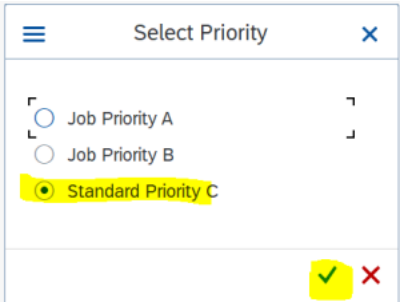
If reload is done the same month than the deleted snapshot, skip unwanted steps in the chain PC_DPS_DYNASYS_09 (transaction RSPC)




Via SE37, Module RSPC_API_CHAIN_START, run the PC_DPS_DYNASYS_09



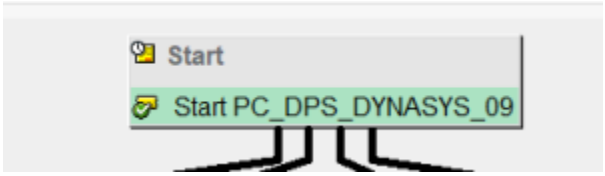

Follow chain using monitor (ST13) and when finished check the Forecast Accuracy in the BW report.

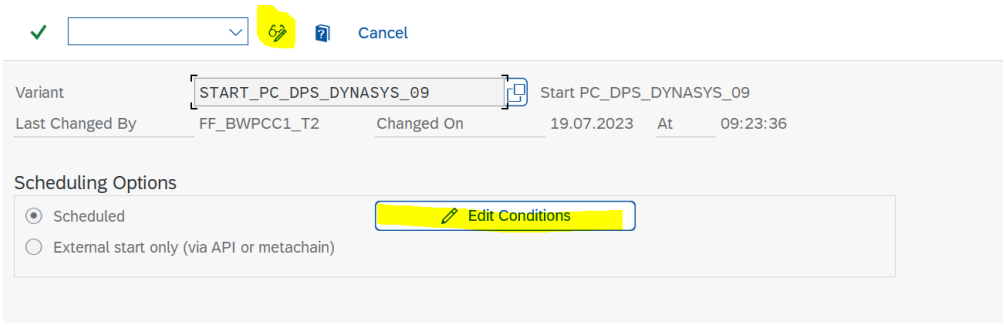
**Import** :

1) unskip steps

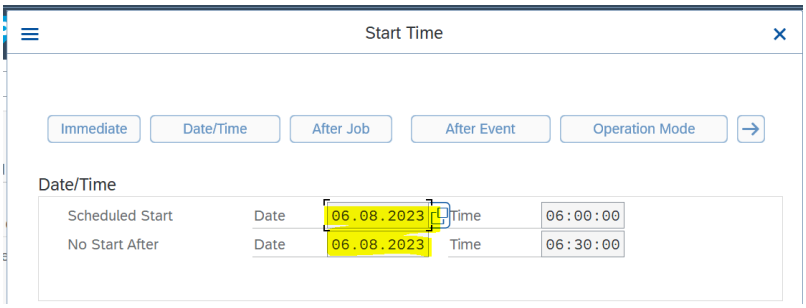
2 ) manually schedule again PC_DPS_DYNASYS_09 for next month

To do this, first, transaction RSPC, menu execution>remove from schedule (steps will become grey instead of green), then change starter by right click




change the dates to next month




Execution > Schedule

3 ) If the recover is not done the 6th of the month, you have to inform Tableau's team to reload the application (Tableau should be uploaded the 7th of the month, as it was for the QV application)

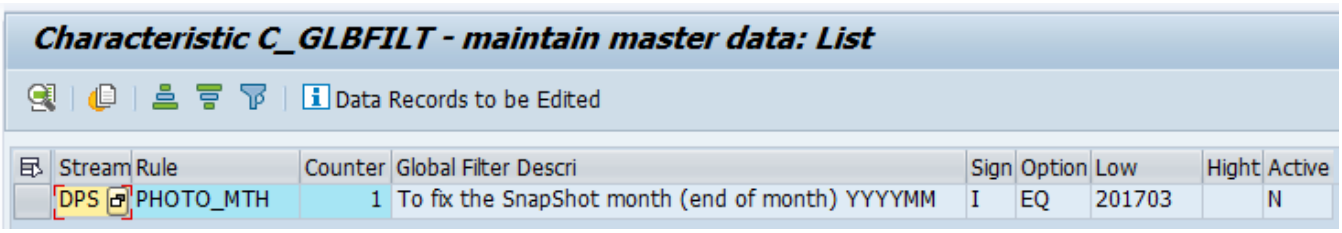
*** Service one ticket *** to be updated with an example

Additional information in case recover is concerning the previous month

If much later, change Global Filter to set the wanted month and activate the line, and run chain PC_DPS_DYNASYS_09

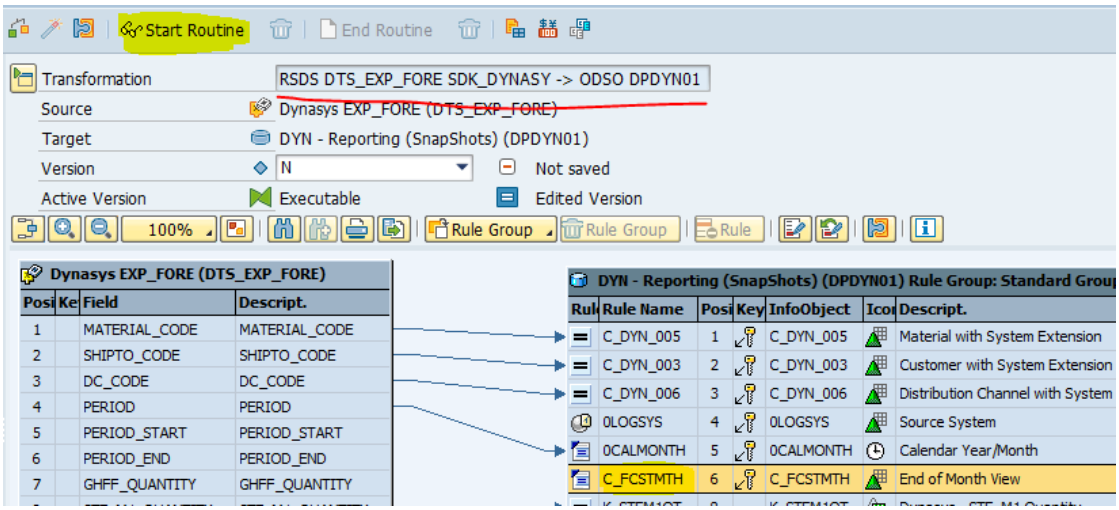
**Caution** variable has to be unactivate afterwards, otherwise following snapshot will be fix to that month!

Field 'Active' = Y or N




| Stream | Rule | Counter | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|
| DPS | PHOTO_MTH | 1 | To fix the SnapShot month (end of month) YYYYMM | I | EQ | 201703 | | N |

**For info,** the variable is used to fix "End of Month View" (C_FCSTMTH)



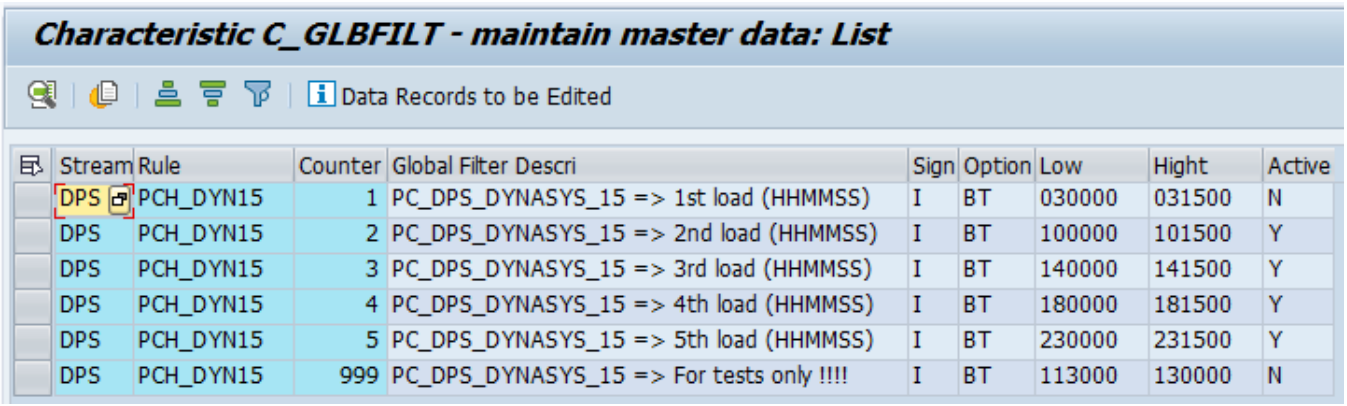

```
* Determine C_FCSTMTH / End of Month View
* 1) in case of a reload, global filter variable will be set
    select single /bic/c_low into v_value from /bic/pc_glbfilt
    where objvers     eq 'A'
    and /bic/c_stream eq 'DPS'
    and /bic/c_rule   eq 'PHOTO_MTH'
    and /bic/c_glbfilt eq 1
    and /bic/c_active eq 'Y'.

    if sy-subrc eq 0 and v_value is not initial.
      v_c_fcstmth = v_value.
    else.
*2) otherwise, take current month - 1  (Take care of january => december
*Y-1 !
      if sy-datum+4(2) between 02 and 12.
        v_c_fcstmth = sy-datum(6) - 1.
      else.
        v_year = sy-datum(4) - 1.
        concatenate v_year '12' into v_c_fcstmth.
      endif.
    endif.
```

## Increase/decrease DR upload from DynaSys

Change values in Global Filter (C_GLBFILT)

Put Active = 'N' to unactive an existing loading.

Add a new line for an extra loading. Please keep the same logic, all loading times are recorded chronologically to make reading easier.




| Stream | Rule | Counter | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15 | 1 | PC_DPS_DYNASYS_15 => 1st load (HHMMSS) | I | BT | 030000 | 031500 | N |
| DPS | PCH_DYN15 | 2 | PC_DPS_DYNASYS_15 => 2nd load (HHMMSS) | I | BT | 100000 | 101500 | Y |
| DPS | PCH_DYN15 | 3 | PC_DPS_DYNASYS_15 => 3rd load (HHMMSS) | I | BT | 140000 | 141500 | Y |
| DPS | PCH_DYN15 | 4 | PC_DPS_DYNASYS_15 => 4th load (HHMMSS) | I | BT | 180000 | 181500 | Y |
| DPS | PCH_DYN15 | 5 | PC_DPS_DYNASYS_15 => 5th load (HHMMSS) | I | BT | 230000 | 231500 | Y |
| DPS | PCH_DYN15 | 999 | PC_DPS_DYNASYS_15 => For tests only !!!! | I | BT | 113000 | 130000 | N |

*Do not forget to r ecord your modifications in paragraph "Process Chains" in PC_DPS_DYNASYS_15 comments*

## Increase/decrease DIP/PP  upload from DynaSys

Change values in Global Filter (C_GLBFILT)

Stream = DPS

Rule = PCH_DYN15M

Put Active = 'N' to unactive an existing loading.

Add a new line for an extra loading. Please keep the same logic, all loading times are recorded chronologically to make reading easier.

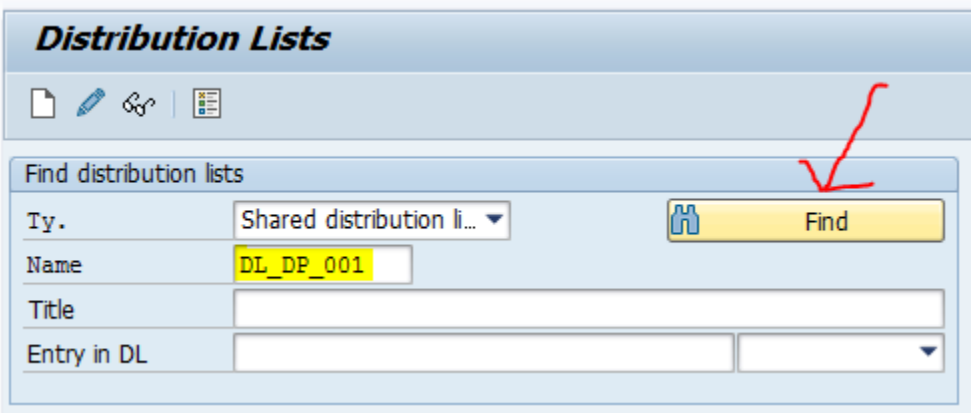
| Strea | Rule | Counter | V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Acti |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | PCH_DYN15M | 000 | A | | | | | | | |
| DPS | PCH_DYN15M | 001 | A | | Sub Chain PC_DPS_DYNASYS_33 => 1st load (HHMMSS) | I | BT | 100000 | 101500 | Y |
| DPS | PCH_DYN15M | 002 | A | | Sub Chain PC_DPS_DYNASYS_33 => 2nd load (HHMMSS) | I | BT | 110000 | 111500 | Y |
| DPS | PCH_DYN15M | 003 | A | | Sub Chain PC_DPS_DYNASYS_33 => 3rd load (HHMMSS) | I | BT | 140000 | 141500 | Y |
| DPS | PCH_DYN15M | 004 | A | | Sub Chain PC_DPS_DYNASYS_33 => 4st load (HHMMSS) | I | BT | 180000 | 181500 | Y |
| DPS | PCH_DYN15M | 005 | A | | Sub Chain PC_DPS_DYNASYS_33 => 5st load (HHMMSS) | I | BT | 230000 | 231500 | Y |

## Add or remove email address in distribution list for DR data availability  (All GBU except CM (aero))

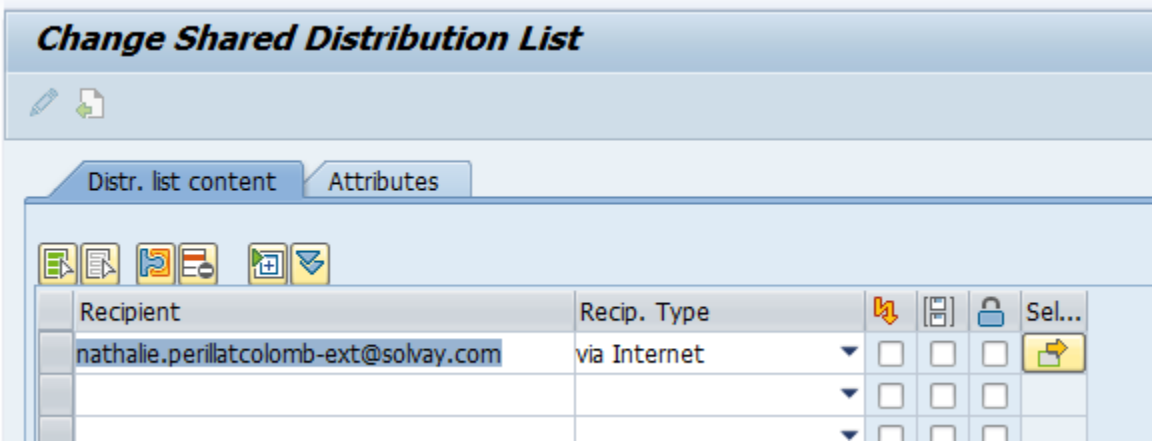
NB: Distribution list exists on all systems, but user list is only maintained in production system WBP

Transaction SO23

Name DL_DP_001




Add or remove email adresses.




*Do not forget to r ecord your modifications in that paragraph*

List of user email :

SodaAsh&Derivated (SD):

- carlos.lau@solvay.com
- alessandro.caleffi@solvay.com => added 25/01/2018
- alessandro.marconcini@solvay.com => added 25/01/2018
- geert.schodts@solvay.com => added 25/01/2018
- irina.piticas@solvay.com => added 15/07/2019
- bianca.cavagioni@solvay.com => added30/11/2020
- philipp.kunze@solvay.com

AROMA (PA):

- marie.pereira@solvay.com => added 28/05/2018
- teresa.hipsley@solvay.com => added 27/02/2019
- carolyn.wacker@solvay.com

Special Chem (CH):

- joerg.braunschweig@solvay.com
- christoph.piesbergen@solvay.com

Technology Services :

- anne.delrue@solvay.com=> added 21/06/2018
- laure.pichot-plasse@solvay.com => added 05/12/2017
- stacey.walker-robertson-contractor@solvay.com => added 21/06/2018
- vanessa.goulart@solvay.com
- Kevin.Richardot@solvay.com => addded 18/03/2022
- aleksis.parfens@solvay.com
- laura.labbadi@solvay.com

Oil&Gas (OG):

- john.hodges@solvay.com => added 21/06/2018

Digital Technology :

- maggie.ma@solvay.com => added 07/08/2019
- etienne.ribet-ext@solvay.com => added 02/01/2020
- nathalie.perrillatcollomb@solvay.com => added 18/08/2021
- valerie.bainbridge@solvay.com
- anass.dalili@solvay.com
- charlotte.bruchet@solvay.com

Removed

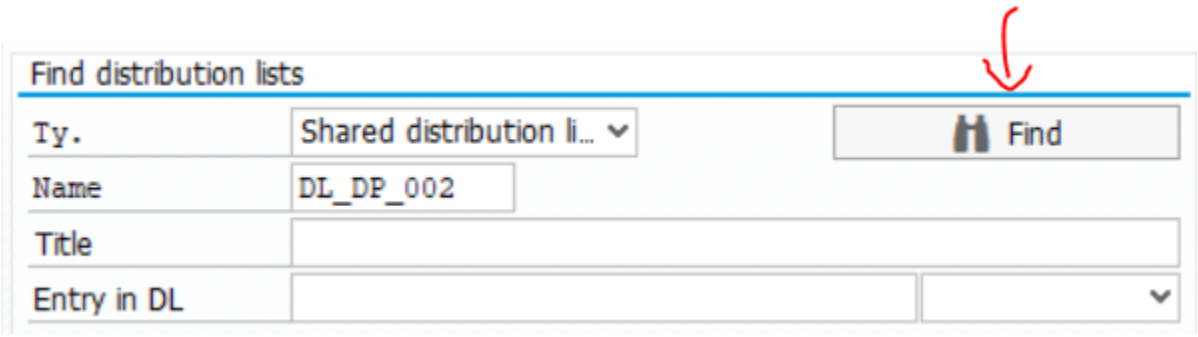
- ~~ann.bailly-ext@solvay.com~~ removed 12/02/2019

## Add or remove email address in distribution list for DR data availability (GBU CM (aero))

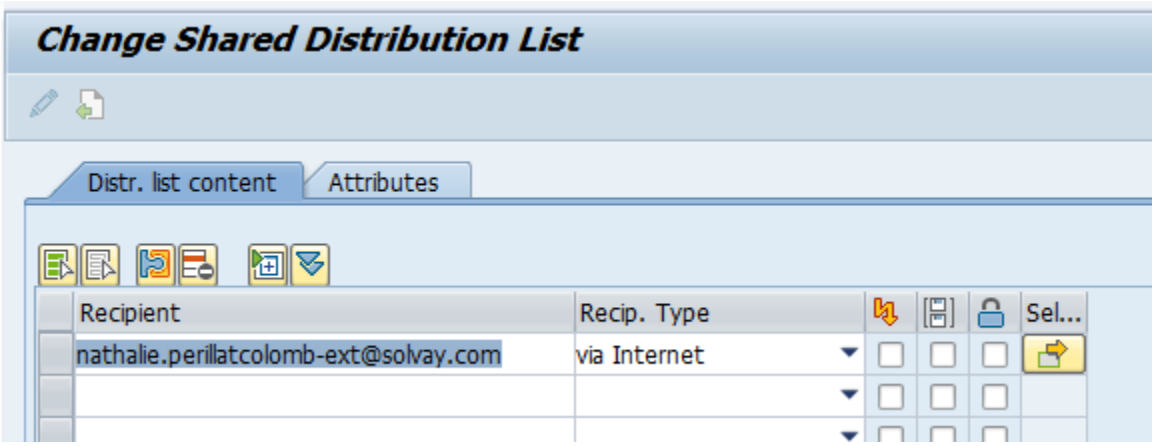
NB: Distribution list exists on all systems, but user list is only maintained in production system WBP

Transaction SO23

Name DL_DP_002




Add or remove email adresses.




*Do not forget to r ecord your modifications in that paragraph*

List of user email :

Composite Materials (CM):

- amanda.pullen@solvay.com => added 22/01/2020
- kp.nagabhushana@solvay.com => added 22/01/2020
- patricia.harrison@solvay.com => added 22/01/2020
- penny.wu@solvay.com => 18/02/2022
- susan.lloydkane@solvay.com

Digital Technology:

- maggie.ma@solvay.com => added 22/01/2020
- etienne.ribet-ext@solvay.com => added 22/01/2020
- valerie.bainbridge@solvay.com
- nathalie.perrillatcollomb@solvay.com => added 18/08/2021
- anass.dalili@solvay.com
- charlotte.bruchet@solvay.com

*Removed*

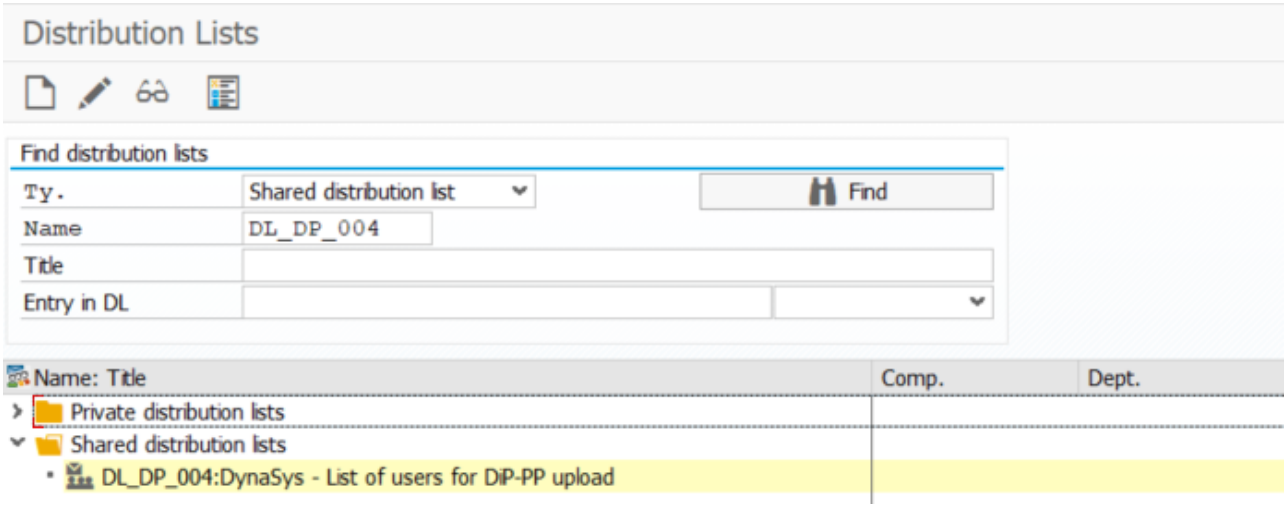
*Do not forget to r ecord your modifications in that paragraph*

## Add or remove email address in distribution list for DiP-PP reporting

NB: Distribution list exists on all systems, but user list is only maintained in production system WBP

Transaction SO23

Name DL_DP_004




*Do not forget to r ecord your modifications in that paragraph*

Digital Technology:

- nathalie.perrillatcollomb@solvay.com
- arnaud.regnault-de-la-mothe@solvay.com
- duygu.karaca-ext@solvay.com
- francois.le@solvay.com
- marie.baer@solvay.com
- soukaina.elmouaddib-ext@solvay.com
- valentin.mazet-ext@solvay.com
- anass.dalili@solvay.com
- maggie.ma@solvay.com

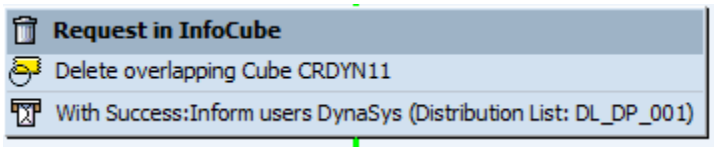
*Removed*

*Do not forget to r ecord your modifications in that paragraph*

## Modify email message for DR data availability sent to users (All GBU except CM (aero))

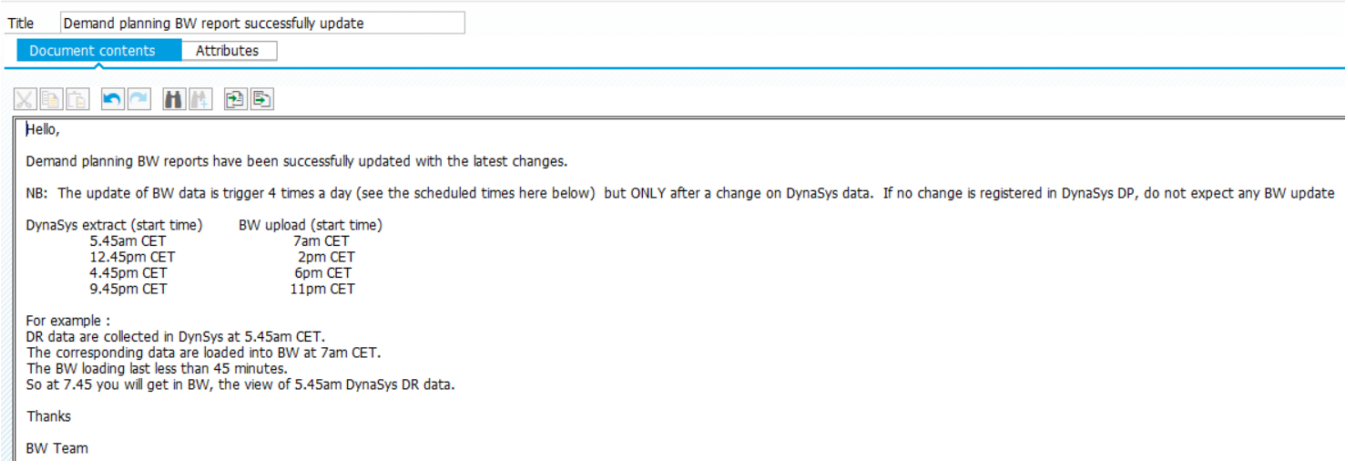
**Email message has to be modified in WBD and moved to WBQ, then WBP**.

RSA1 / Chain PC_DPS_DYNASYS_15




Change to 'change' mode

right click => maintain message => Successful => Edit Document

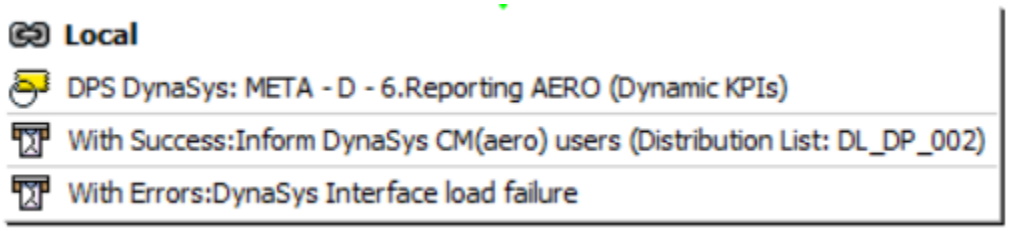



*Do not forget to r ecord your modifications in that paragraph.*

## Modify email message for DR data availability sent to users (GBU CM (aero)

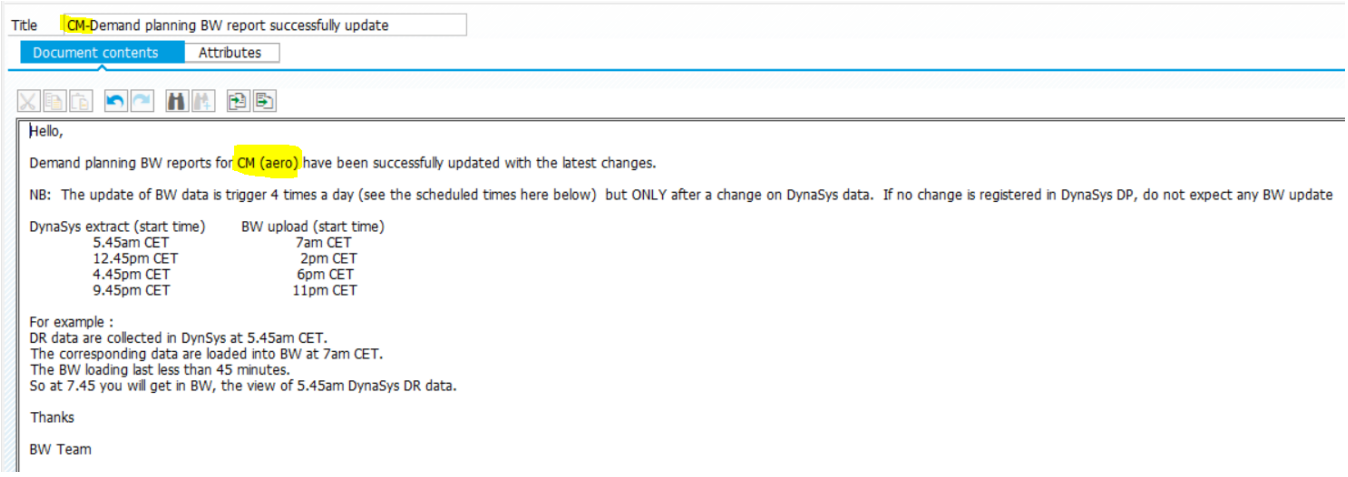
**Email message has to be modified in WBD and moved to WBQ, then WBP**.

RSA1 / Chain PC_DPS_DYNASYS_15




Change to 'change' mode

right click => maintain message => Successful => Edit Document




*Do not forget to r ecord your modifications in that paragraph.*

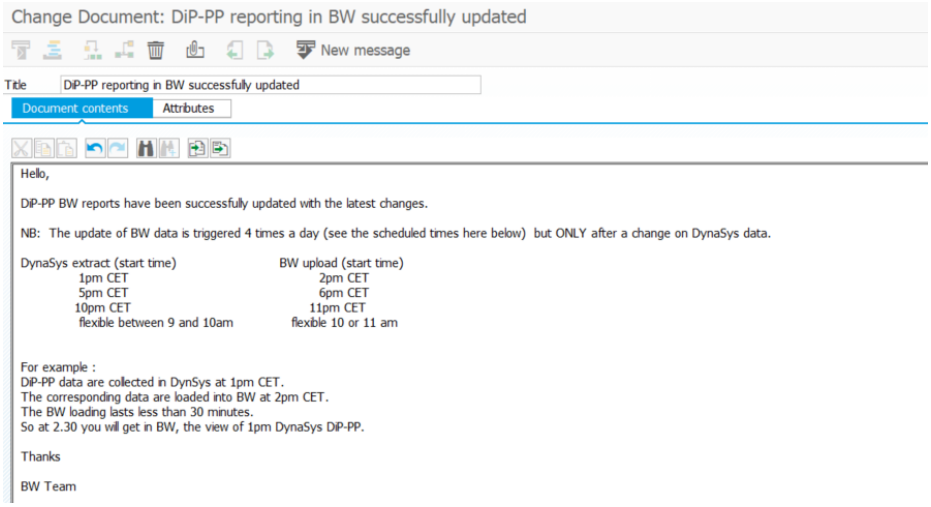
## Modify email message for DIP/PP data availability sent to users

**Email message has to be modified in WBD and moved to WBQ, then WBP**.

RSA1 / Chain PC_DPS_DYNASYS_15

Change to 'change' mode

right click => maintain message => Successful => Edit Document




*Do not forget to r ecord your modifications in that paragraph.*

## Clean Forecast Accuracy for all GBU except CM-AERO (ABAP ZBW_DYN018)

*Careful, this action is definitive !!!!*

Program ZBW_DYN018 / DYN - Forecast Accuracy cleaning (Selective del in DBDYN13 + DPDYN01)

This program has been created to delete data from Forecast Accuracy DSOs.

1) prepare input file as following template

| Material with extension | Shipto with extension | Distribution Channel with extension | Forecast Month from (YYYYMM) | Forecast Month to (YYYYMM) |
|---|---|---|---|---|
| 105671R | 2084980R | F0R | 202101 | 202312 |
| 111944R | 2084980R | F0R | 202101 | 202312 |
| 112233R | 2084980R | F0R | 202101 | 202312 |

prospect reference (like 0011p00002banehAAA) have to be removed from the list

fill interval of months (even if deletion is asked for a single month)

2) run abap

3) reload CRDYN13 cube

**May 2021 :** Cleaning has been done for ODYSSEY project (NOVECARE) as Open Gate was not going to keep DynaSys

> Genthin from January 1, 2021 [Carve out]
> UP / Halifax from March, 1rst [Carve out]

ODYSSEY FA Genthin Cleaning.xlsx

ODYSSEY FA UPHalifax Cleaning.xlsx

**May 2021** : Cleaning has been done for Silica

Silica FA Cleaning.xlsx

**July 2021 :** Cleaning has been done for SA&D LATAM / ODYSSEY / WAREHOUSE MULTIMODAL LOGISTICS (NOVECARE) / SILICA

FA Cleaning ODYSSEY & others 072021.xlsx

**Feb 2022 :** Cleaning has been done for Novecare / RASAL Plant from JAN 2022

FA Cleaning RASAL.xlsx

**April 2022 :** Cleaning has been done for Novecare / RASAL Plant from JAN 2022 (2nd round)

CS-Analysis-RasalCleaning-March22.xlsx

**March 2023 :** Augeo products moved from Novecare to Coatis. DFU were set to un-active on DynaSys. FA needed to be cleaned from JAN 2023

Cleaning has been done for AUGEO materials identified (DFU list provided by DynaSys) from JAN 2023

AUGEO PF1 CLEANING.xlsx

AUGEO WP1 CLEANING.xlsx

AUGEO WP1 CLEANING O&G DFU.xlsx (cleaning will be seen in BW/Qlik with April 2023 upload). CS has validated DFU 138115R:2034644R@06R O&G can be cleaned.

WO0000000319691 => duplicate DFU (and hybride)

| | | |
|---|---|---|
| 141018R | 2094236R | CHRAR |
| 321715R | 2023962R | CHRAR + TSRAR |

## Perioding cleaning to limit DSO/Cubes volume

For FA and BR/MTP reports,

- only GH for current year + 3 years of history is needed
- only FA for  current year + 2 years of history is needed
- only FA for last 6 snapshots is needed

A selective deletion can be done every year to reduce significantly the volume of records in DSOs/Cubes

**July 2023 - Cleaning : Removing Coating / PAX and non useful data**

Gain reduction of 33% for DBDYN13, 50% for DPDYN01

| | DBDYN13 | DPDYN01 | | |
|---|---|---|---|---|
| Current volum | 73.346.233 | 114.030.948 | | |
| Removing data previous to 01.2020 | 11.344.980 | 27.870.483 | Selective suppression<br>CALMONTH | Done 11/07 /2023 |
| Removing Coating / PAX Distribution Channel | 6.627.980 | 10.796.840 | Selective suppression DC with extension<br>2PR;70R;4SR;5LR;5MR;8GR;4UR;95R;3ZR;4DR;4GR;4YR;4CR;<br>4WR;3WR;4BR;6WR;5QR;5WR;5ZR;5XR;5UR;5VR;86R;0NR;0OR;<br>0PR;0QR;0RR;0SR;0TR;1VR;3QR;46R;75R;76R;77R;78R;PXEPL;PMEPL | Done 11/07 /2023 |

| | | | | |
|---|---|---|---|---|
| Removing too old snapshot | 2.369.184 | 5.667.040 | As we keep month from 01.2020 it is possible to delete snapshot older than 01.2020 minus 7 so <= 06.2019<br><br>Selective suppression End of Month View between 01.2017 and 06.2019 | Done 11/07 /2023 |
| For 2023, keep only snapshot from JUN 2022 | 1 180 050 | 1 317 335 | Selective suppression<br><br>Period 01.2023 to 12.2023<br><br>End of Month View between 01.2019 and 05.2022 | Done 11/07 /2023 |
| For 2022, keep only snapshot from JUN 2021 | 2 256 520 | 5 151 698 | Selective suppression<br><br>Period 01.2022 to 12.2022<br><br>End of Month View between 01.2019 and 05.2021 | Done 11/07 /2023 |
| For 2021, keep only snapshot from JUN 2020 | 566 822 | 3 555 339 | Selective suppression<br><br>Period 01.2021 to 12.2021<br><br>End of Month View between 01.2019 and 05.2020 | Done 11/07 /2023 |

**Another challenge would be to remove 30 millions of records in DBDYN13 for concerned period = 'N/A'  (Work identified in JIRA)**

## MTP - How to change archive month for current year

The month of MTP archive is running yearly, the 6th of the month entered in variable MTP_LOAD

Table: /BIC/PC_GLBFILT

| Stream | Rule | Counter | V | Change flag ( I inserted / D deleted ) | Global Filter Descri | Sign | Option | Low | Hight | Active |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | MTP_LOAD | 001 | A | | Month for loading MTP Photo | I | EQ | 10 | | Y |

The month was set to October => 10

If it is decided to change it. It can be done by changing the Global Filter.

Caution, if the change is done after the 6th of October, the archive done the 6th of October will have to be removed first.

## MTP - How to reload a MTP archive

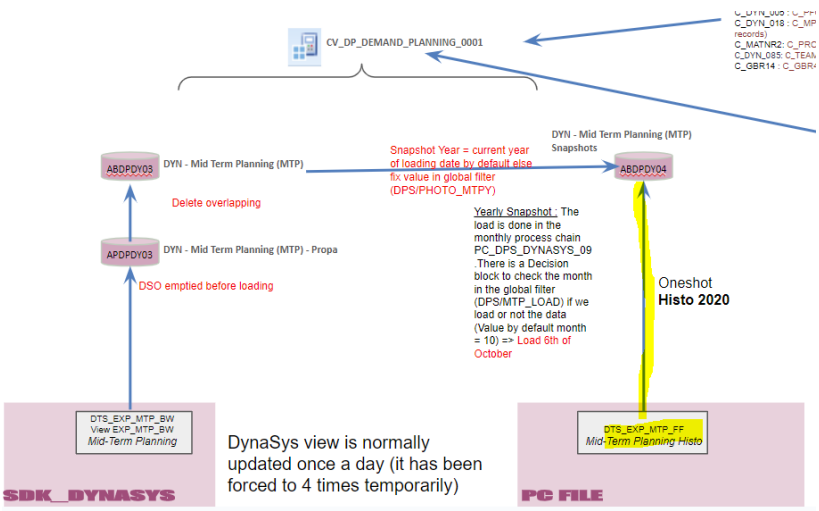
Remove the old archive with a selective deletion of ABDPDY04  (to check how to do it with ADSO)

Change the year for the archive and set Active = Y in Global Filter (DPS/PHOTO_MTPY)

Table: /BIC/PC_GLBFILT

| Stream | Rule | Count... | V | Change flag ( I inserted / D delete... | Global Filter Descri | Sign | Opti... | Low | Hig... | Active |
|---|---|---|---|---|---|---|---|---|---|---|
| DPS | PHOTO_MTPY | 001 | A | | MTP yearly SnapShot YYYY | I | EQ | 2021 | | Y |

Load ABDPDY04 via flat file flow




**Do not forget to inactivate Global Filter (DPS/PHOTO_MTPY) afterwards (otherwise it will be erased by next automatic MTP archive)**

2020 has been manually loaded via flat file Reprise EXP_MTP History_CH_2020.csv

2021 was wrongly filled with oct 2022 data

2022 was manually archived the 19th of April 2023

## Ship-to/Forecast Customer descriptions onshot loading for CM-AERO and BAAN/PE1 cases

Situation : Ship-to or Forecast Customer description are missing in AERO Demand Review report (BW_QRY_CPDYN11_0006)

This is usually due to mixte DFU (RCS material (extension R) with BAAN or PE1 ship-to (extension B)

1) File format expected

BAAN Customer Forecast Description.csv

| Source | Customer Code | Description |
|---|---|---|
| BAAN | 1226336729 | KIMS (KOREA INSTITUTE OF MATERIALS SCIENCE) |
| WP1_400 | 1001101346 | UNIVERSITY OF TEXAS |
| WP1_400 | 1001580183 | PERFORMANCE FRICTION PRODUCTS |
| WP1_400 | 1001583163 | PERFORMANCE FRICTION PRODUCTS |

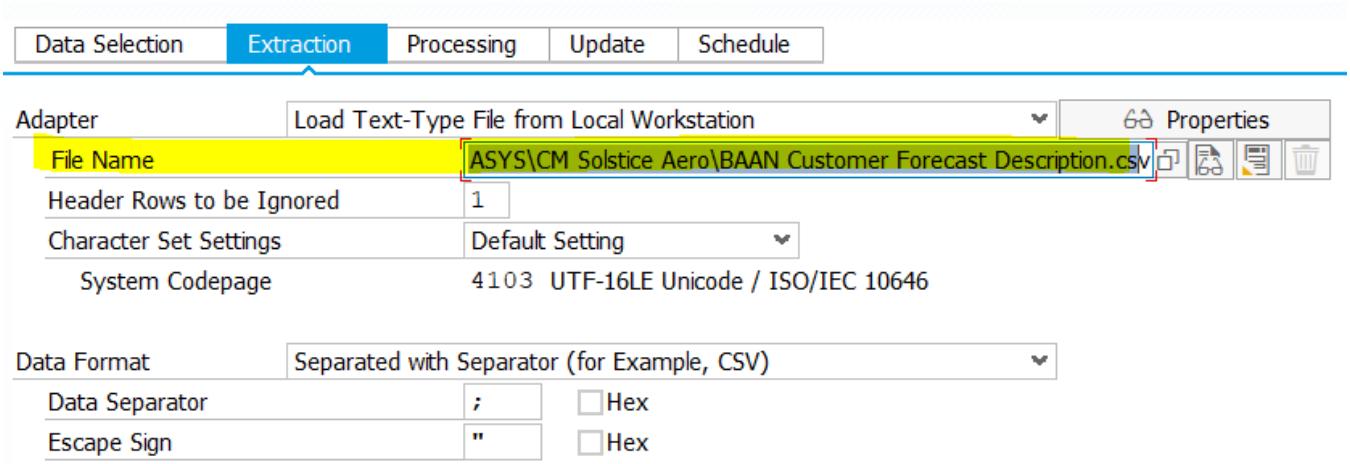
2) check file - listed customers should not already have description in table /BIC/TC_CUSTID for language = 'EN'

Caution : if description already exists for the source system, if you load a new description it will impact all BW application. Object C_CUSTID is widely used.

3) load file

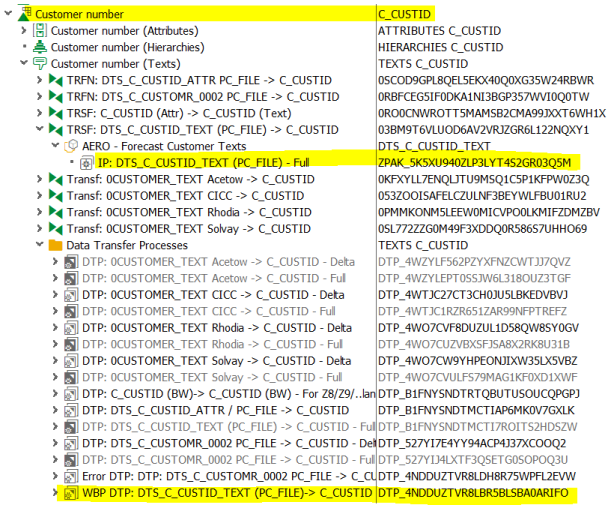
=> emty PSA

=> IP: DTS_C_CUSTID_TEXT (PC_FILE) - Full  (change File Name first)




=> check PSA

=> WBP DTP: DTS_C_CUSTID_TEXT (PC_FILE)-> C_CUSTID




4) Description are instantly available in reporting

# Main Evolutions (planned or done)

## Decommissioning of BW query. Done for Demand Review S1.2023

The Demand Review (Core query) has to be decommissioned, replaced by existing Budget Review (Core query)

Reason : keyfigures/axis of DR are included in BR. There is no real need to maintain the DR query.

To handle the decommission :

Step 1- Creation of a procedure to help users to switch existing workbooks which are based on the Demand Review query to the Budget Review query => Wiki Change the Query Source In an Existing Workbook

Step 2- Collection of usage statistics via a workbook based on query BW_QRY_CUB_0TCT_C01_0002_GTT / GTT2 –BI Statistics report

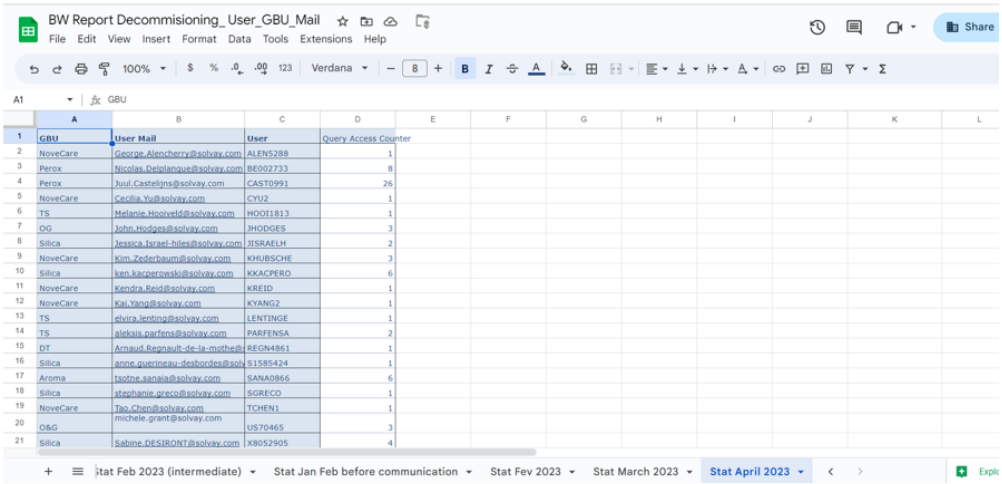
Workbook => Query Usage Statistics.xlsx

Example of workbook execution

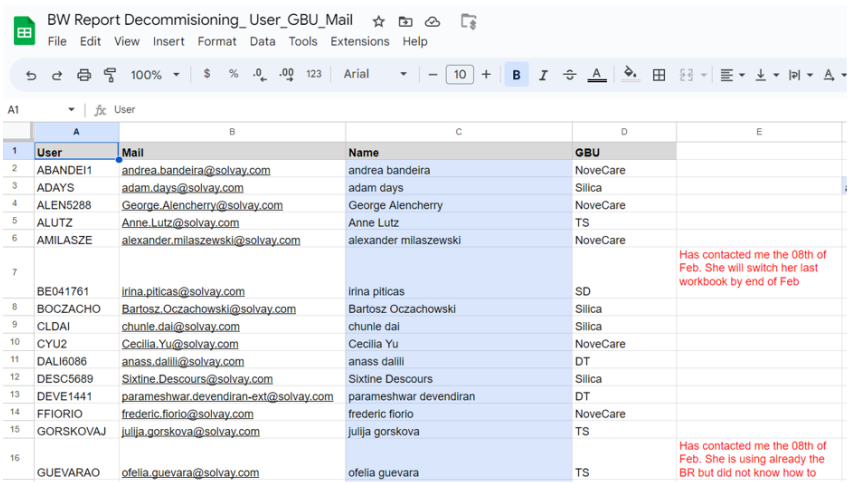
| | | Query | BW_QRY_MVDYN11_0006 |
|---|---|---|---|
| | | | BW - DP - Demand Review (Core query) |
| | | Calendar Year | 2023 |
| | | Calendar Year/Month | MAY 2023 |
| User Team | User | | Query Access Counter |
| Not assigned | AMILASZE | WBP_400/AMILASZE | 1 |
| Not assigned | AWILHELM | WILHELM | 2 |
| Not assigned | BAINBRIDGEV | WBP_400/BAINBRIDGEV | 1 |
| Not assigned | BE002733 | DELPLANQUE | 3 |
| Not assigned | CAST0991 | WBP_400/CAST0991 | 9 |
| Not assigned | KKACPERO | KACPEROWSKI | 2 |
| Not assigned | NHUMBER | HUMBERT | 2 |
| Not assigned | PARFENSA | PARFENS | 2 |
| Not assigned | S1585424 | GUERINEAU-DESBORDES | 1 |
| Not assigned | SANA0866 | WBP_400/SANA0866 | 4 |
| Not assigned | TCHEN1 | CHEN | 1 |
| Not assigned | US70465 | WBP_400/US70465 | 1 |
| Not assigned | US70616 | FERNANDEZ | 1 |

Step 3- Store informations in a google sheet (link) to follow decommissioning

a) Copy usage statistics




b) List users information in a separated tab

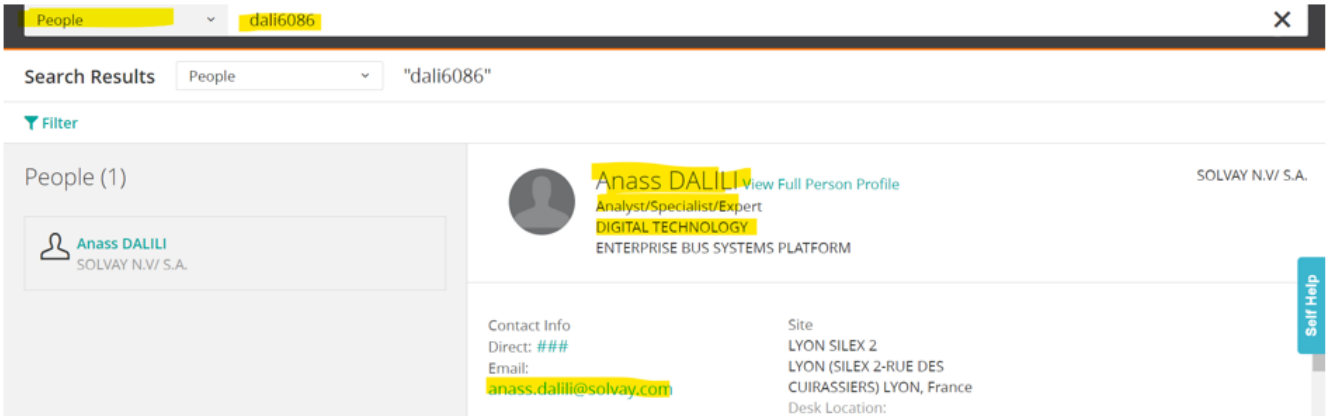



| User | Mail | Name | GBU | |
|---|---|---|---|---|
| ABANDEI1 | andrea.bandeira@solvay.com | andrea bandeira | NoveCare | |
| ADAYS | adam.days@solvay.com | adam days | Silica | |
| ALEN5288 | George.Alencherry@solvay.com | George Alencherry | NoveCare | |
| ALUTZ | Anne.Lutz@solvay.com | Anne Lutz | TS | |
| AMILASZE | alexander.milaszewski@solvay.com | alexander milaszewski | NoveCare | |
| BE041761 | irina.pliticas@solvay.com | irina piticas | SD | Has contacted me the 08th of Feb. She will switch her last workbook by end of Feb |
| BOCZACHO | Bartosz.Oczachowski@solvay.com | Bartosz Oczachowski | Silica | |
| CLDAI | chunle.dai@solvay.com | chunle dai | Silica | |
| CYU2 | Cecilia.Yu@solvay.com | Cecilia Yu | NoveCare | |
| DALI6086 | anass.dalili@solvay.com | anass dalili | DT | |
| DESC5689 | Sixtine.Descours@solvay.com | Sixtine Descours | Silica | |
| DEVE1441 | parameshwar.devendiran-ext@solvay.com | parameshwar devendiran | DT | |
| FFIORIO | frederic.fiorio@solvay.com | frederic fiorio | NoveCare | |
| GORSKOVAJ | julija.gorskova@solvay.com | julija gorskova | TS | |
| GUEVARAO | ofelia.guevara@solvay.com | ofelia guevara | TS | Has contacted me the 08th of Feb. She is using already the BR but did not know how to |

c) Add email, name and GBU

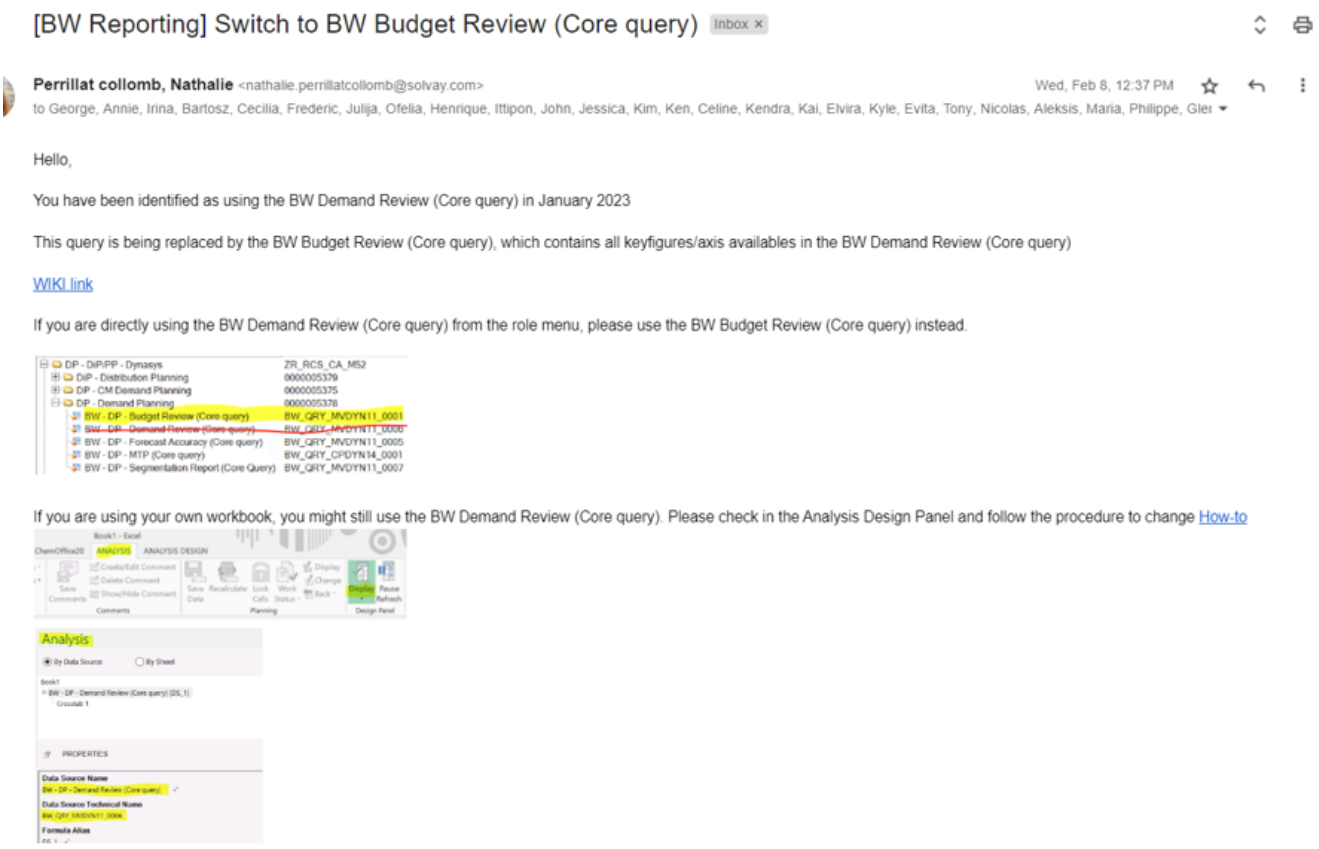
Based on the User ID, get the email and GBU using the BMC helix platform as shown below:

Search the ID of the user in the search section while filtering on “People”:




d) In usage statistics tab, use a vlookup to fill email & GBU

Step 4- Communication to sent to users listed in the usage statistics




Step 5- Ask DynaSys DP Application owner to share also the info during regular meeting with the GBU

Step 6- Every begin of month, redo from step 2- and send a reminder to users which are still identified in the usage statistics.

Exclude users from DT team as they are aware of the decommissioning.

REMINDER: [BW Reporting] Switch to BW Budget Review (Core query) Inbox ×

**DALILI, Anass** <anass.dalili@solvay.com> Wed, Mar 1, 11:42 AM

to Laura, George, Irina, Bartosz, Juul, Frederic, Gregory, Ofelia, George, Melanie, John, Jessica, Kim, Ken, Celine, Kendra, Kevin, Luciana, Evita, Tony, Marcelo, Aleksis, Philippe, Roger, Ani

Hello,

You have been identified as using the BW Demand Review (Core query) in February 2023, Please consider below email.

Let us know if you need more assistance.

Kind regards

Dalili Anass

Digital Technology
IS Planning & Scheduling BI

---------- Forwarded message ---------
From: **Perrillat collomb, Nathalie** <nathalie.perrillatcollomb@solvay.com>
Date: Wed, Feb 8, 2023 at 12:37 PM
Subject: [BW Reporting] Switch to BW Budget Review (Core query)

Hello,

You have been identified as using the BW Demand Review (Core query) in January 2023

This query is being replaced by the BW Budget Review (Core query), which contains all keyfigures/axis availables in the BW Demand Review (Core query)

WIKI link

If you are directly using the BW Demand Review (Core query) from the role menu, please use the BW Budget Review (Core query) instead.

Step 7- If report is still mainly used by a GBU, ask DynaSys DP Application owner to emphasize the information

Step 8- create a ticket to ask to remove the decommissioned query from role menu (this can be done in advance)

| | |
|---|---|
| WO0000000363794 | BW DYN - Remove 2 queries in role menu ZR_RCS_CA_M52 |

Step 9- create a ticket to ask for query name change as Obsolete (to be done)

Step 10- update WIKI and documentation