

BW Master data Frozen period

Each end of year, the main BW master data (about the structure) which are not time-dependent need to be freeze = no more loading from ECC or flat file on these main master data.

And to avoid the impact of the new evolution scheduled for next year on the yearly closing a freeze is applied to block the loading to allow the yearly closing period with the same scope done for the year and not with inputs for next year, for some master data, the loading are freeze in the middle of December until end of January.

It is required to setup

1. Global filter to stop important [master that can change the structure](#)
2. Schedule yearly PC on the unfreeze date

1. Global filter to setup

1.1 SFREEZE

Process : Finance Data team (tania.faria@solway.com from SU MAC Data, KM & Reporting) have to inform BW team about the frozen period and BW team update one records of the global filter. Normally, it will be mid of Dec to mid of Jan

Master data : C_GLBFLT Global Filter

/BIC/C_STREA	/BIC/C_R	/BIC/C_GLBFLT	OBJVE	CHANGED	/BIC/C_DESC	/BIC/C_SIGN	/BIC/C_OPTIO	/BIC/C_LOW	/BIC/C_HIG	/BIC/C_ACTIVE
GLOBAL	SFREEZE	001	A		Global Structure Freeze Start and End Dates (YYYYMMDD)	I	BT	20201208	20210119	Y

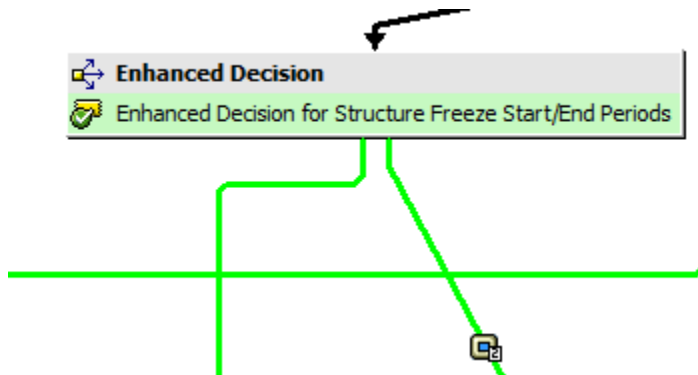
Stream = Global

RULE = SFREEZE

Low = start date of the freeze in the format YYYYMMDD

High = end date of the freeze in the format YYYYMMDD

The process chain will have the enhance decision flow to have abap code to



Process Display: Enhanced Decision using forms

Variant **EDCS_SFREEZE_01** Enhanced Decision for Structure Freeze...

Last Changed By **DDIC** Changed On **12.08.2020** At **16:54:34**

Command	Short Description	Formula	then	Event	E...
If	SFreeze Active		then	Option 01	
Else If	SFreeze In-Active		then	Option 02	
Else	Errors		then	Error	

SFreeze Active

FORM EVALUATE CHANGING P_RETURN TYPE BOOL. "p_return = X then true else false

DATA : LV_SFREEZE LIKE /BIC/PC_GLBFLT.

```
SELECT SINGLE * FROM /BIC/PC_GLBFLT INTO LV_SFREEZE
WHERE /BIC/C_STREAM = 'GLOBAL'
AND /BIC/C_RULE = 'SFREEZE'
AND /BIC/C_GLBFLT = '1'
AND OBJVERS = 'A'
AND /BIC/C_ACTIVE = 'Y' .
```

```
IF SY-SUBRC = 0 .
  IF ( SY-DATUM >= LV_SFREEZE-/BIC/C_LOW ) AND ( SY-DATUM <= LV_SFREEZE-/BIC/C_HIGH ) .
    P_RETURN = 'X' .
  ENDIF .
ENDIF .
ENDFORM .
```

1.2. SFREEZE1

In 2022, Financial team (Charlotte R) request to have another freeze that start to freeze only from 1 Jan until end of yearly freeze. Then, we create a new global filter to freeze these master data and move master data to this freeze accordingly to [the requirement](#)

Master data: C_GLBFLT Global Filter

Table: /BIC/PC_GLBFLT							
Stream	Rule	Counter V	Change flag (I inserted / D deleted)	Global Filter Descri	Sign Option Low	Hight	Active
GLOBAL	SFREEZE1	001 A		Global Structure Freeze Start and End Dates (YYYYMMDD)	I BT	20230101	20230119 Y

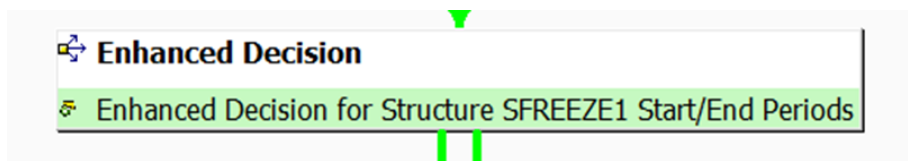
Stream = Global

RULE = SFREEZE1

Low = start date of the freeze in the format YYYYMMDD

High = end date of the freeze in the format YYYYMMDD

The process chain will have the enhance decision flow to have ABAP code to



Process Display: Enhanced Decision using forms

Variant: EDCS_SFEEZE_02 Enhanced Decision for Structure SFREEZE1 Start/En...

Last Changed By: DDIC Changed On: 07.12.2022 At: 13:24:22

Command	Short Description	Formula	then	Event	Ev...
If	SFreeze1 Active		then	Option 01	
Else If	SFreeze1 Inactive		then	Option 02	
Else	Errors		then	Error	

SFreeze1 Active

FORM EVALUATE CHANGING P_RETURN TYPE BOOL. "p_return = X then true else false

DATA : LV_SFEEZE LIKE /BIC/PC_GLBFLT.

```

SELECT SINGLE * FROM /BIC/PC_GLBFLT INTO LV_SFEEZE
WHERE /BIC/C_STREAM = 'GLOBAL'
AND /BIC/C_RULE = 'SFREEZE1'
AND /BIC/C_GLBFLT = '1'
AND OBJVERS = 'A'
AND /BIC/C_ACTIVE = 'Y' .

```

```

IF SY-SUBRC = 0 .
  IF ( SY-DATUM >= LV_SFEEZE-/BIC/C_LOW ) AND ( SY-DATUM <= LV_SFEEZE-/BIC/C_HIGH ).
    P_RETURN = 'X' .
  ENDIF .
ENDIF .
ENDFORM .

```

2. Yearly Process Chain

Since we have issue of master data is not updated correct after unfreeze in 2020, we need to update material plants after C_CDSEA, C_SUBACT2, 0G_CW WE01 are updated. Therefore, we need to create a new PC_MD_02 to run yearly after FREQUENTLY_LOAD_MD is completed.

However, we have loading conflict in 2022 after unlock. Therefore, the **PC_MD_02 should run yearly around 18:00 CET on the date of unfreeze** to avoid the loading conflict because this PC would take around 7.3 hours to complete

FREQUENTLY_LOAD_MD finish 14:00
PC_FIWC_02 finish 18:00

WBP - PC_MD_02 (Yearly PC with full load)		Time / Records	WBP - Normal load	Process chain
IP: 0MAT_PLANT_ATTR (Rhodia) Full	ZPAK_3Z308UI55BNYJXGKH LZT33K87	170 min with 1.3 M records	0MAT_PLANT_ATTR - Full(ZPAK_3YYXP3CVFWPNQL7PGGI4FIPF0)	FREQUENTLY_LOAD_MD 6:00 / 12:00
DTP: 0MAT_PLANT_ATTR / WQ1_400 -> C_MATPLNT Full	DTP_04B9BB0HZDMR3SXHW 3JAITTV6	34 min	DTP: 0MAT_PLANT_ATTR -> C_MATPLNT (DTP_4LUA3V0DIRDVOJGTEZICB2QZW) Delta	FREQUENTLY_LOAD_MD 6:00 / 12:00
DTP: 0MAT_PLANT_ATTR Rhodia -> C_MATPNT2 Full	DTP_04B9BB0HZDMR3SXOU O5ZWL4KY	38 min	DTP: 0MAT_PLANT_ATTR (Rhodia) -> C_MATPNT2 - Delta (DTP_50C16IHDGWHXSFEWE7A6BD2Y2)	FREQUENTLY_LOAD_MD 6:00 / 12:00
IP: 0MAT_PLANT_ATTR (Solvay) - Full	ZPAK_4Z5H7FWIQ6XLPFREI VUUY3RK6	35 min with 5.4 M records	IP: 0MAT_PLANT_ATTR (Solvay) -> C_MATPNT2 - Full (ZPAK_4S225HO49TXQS61QAYFF0ADRB)	PC_FIWC_02 7:20 / 14:30
DTP: 0MAT_PLANT_ATTR Solvay -> C_MATPNT2 Full	DTP_04B9BB0HZDMR3SXPD F8FBDV8Y	190 min	DTP: 0MAT_PLANT_ATTR (Solvay)-> C_MATPLNT2 - Delta (DTP_760DFY2C7H4Z8DE1FRK016SES)	PC_FIWC_02 7:20 / 14:30
IP: 0MAT_PLANT_ATTR (CICC) Full	ZPAK_5IHWM5GFUXAJYWKN IE195W9WQ	1 min with 105 records	IP: SI1 0MAT_PLANT_ATTR -> C_MATPNT2 - Full (ZPAK_4S23RJU3UWW7NV4GKILYXWFMV)	PC_FIWC_03
DTP: 0MAT_PLANT_ATTR CICC -> C_MATPNT2 Full	DTP_04B9BB0HZDMR3SXPO 8340PHTE	6 min	DTP: SI1 0MAT_PLANT_ATTR -> C_MATPLNT2 - Delta (DTP_7N26MLR36J2CDQUJ5186RRXP0)	PC_FIWC_03

IP: DTS_MBEW_0001 - Solvay Full	ZPAK_508BXVTLEYBLFGO3 QUPMEN5T6	30 min with 3.8 M records	IP: DTS_MBEW_0001 - Solvay Full (ZPAK_508BXVTLEYBLFGO3QUPMEN5T6)	PC_FIWC_02 7:20 / 14:30
DTP: DTS_MBEW_0001 Solvay - > C_MATPNT3 - Delta	DTP_508BVG9C9GV2ZAR61A G1RW9S8A	6 min	DTP: DTS_MBEW_0001 Solvay -> C_MATPNT3 - Delta (DTP_508BVG9C9GV2ZAR61AG1RW9S8A)	PC_FIWC_02 7:20 / 14:30
IP: DTS_MBEW_0001 Rhodia - Full	ZPAK_508WTPCET0ZOXUDO T7KC6S2SQ	2 min with 1.3 M records	IP: DTS_MBEW_0001 Rhodia - Full (ZPAK_508WTPCET0ZOXUDOT7KC6S2SQ)	FREQUENTLY_LOAD_MD 6:00 / 12:00
DTP: DTS_MBEW_0001 Rhodia - > C_MATPNT3 - Delta	DTP_509N9ZIPGJHZVZ35HR 1LLI88A	20 min	DTP: DTS_MBEW_0001 Rhodia -> C_MATPNT3 - Delta (DTP_509N9ZIPGJHZVZ35HR1LLI88A)	FREQUENTLY_LOAD_MD 6:00 / 12:00