BW - DP - ERP Group of Activities - Sales Order (PF1 Only) /!\ Obsolete /!\

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The new wiki link for this data flow is here:

BW - DP - ERP Group of Activities - Sales Order (PF1 Only)

Please update the new doc there and no longer here.

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- General presentation
- 1) ERP Group of Activities Rule - Sales Order Flow (PF1 Only)
  - Case 1 : Technical Profit Center - C_TECPCTR
  - Case 2 : Technical Profit Center (C_TECPCTR)+ Material Plant (C_MATPNT2)
  - Case 3 : Technical Business Area - C_TECHBA
- 2) List of DynaSys interfaces using the Group of Activities

General presentation

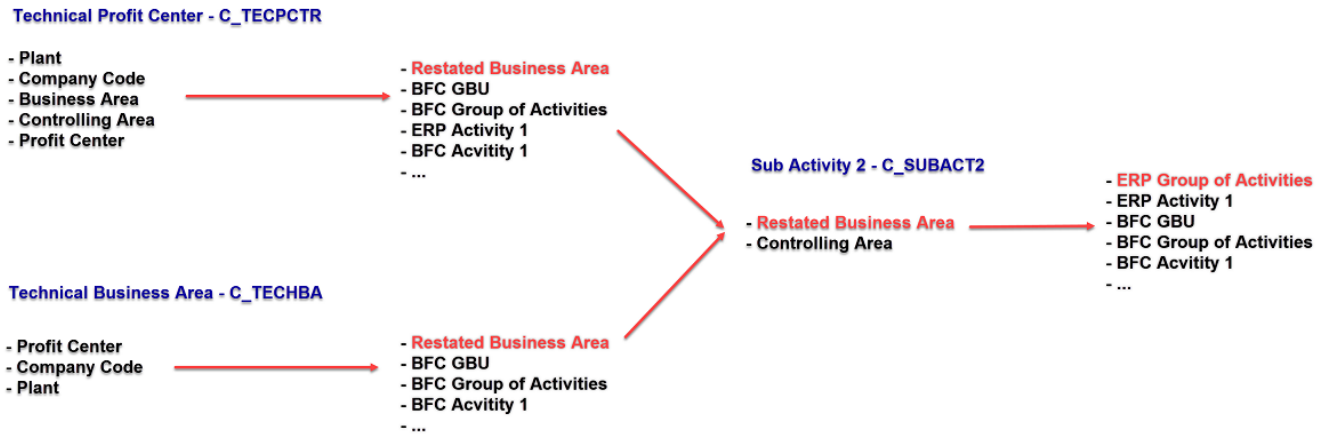
The ERP Group of Activities (C_PFCTR2) on sales order flow is determined from the "Sub Activity 2" master data, several steps are necessary to determine the correct business area associated with the sales order.

The sources used to obtain the Sub Activity are the "**Technical Profit Center - C_TECPCTR**" master data and the "**Technical Business Area - C_TECHBA**" master data.

The Sub Activity is determined in the main sources below, they are maintained by the Global Sales team:

- DSO DBSDSO11 - SO Global: Sales Document Item Data (Solvay).

For the **Technical Profit Center** and **Technical Business Area** masterdata, we need the information below:



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1) ERP Group of Activities Rule - Sales Order Flow (PF1 Only)

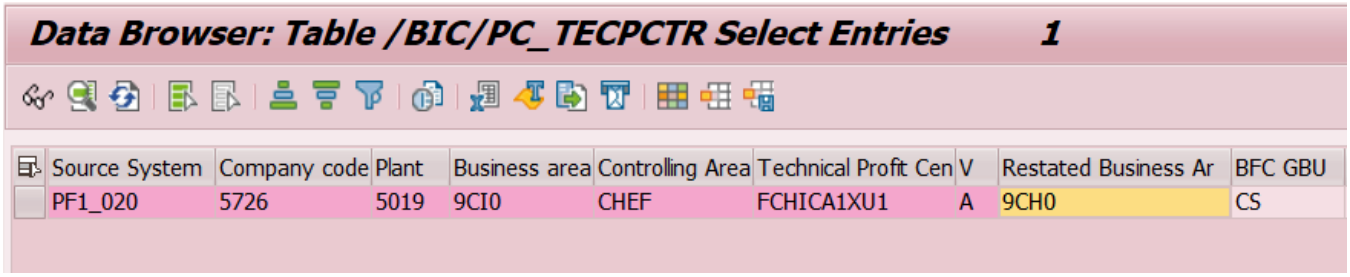
Explanation of the rule applied by Global sales in the DSO DBSDSO11:

Case 1 : Technical Profit Center - C_TECPCTR

If the information from the sales order results in a Sub Activity, then the Technical Profit Center master data will be the only source to determine the Sub Activity.

Example :

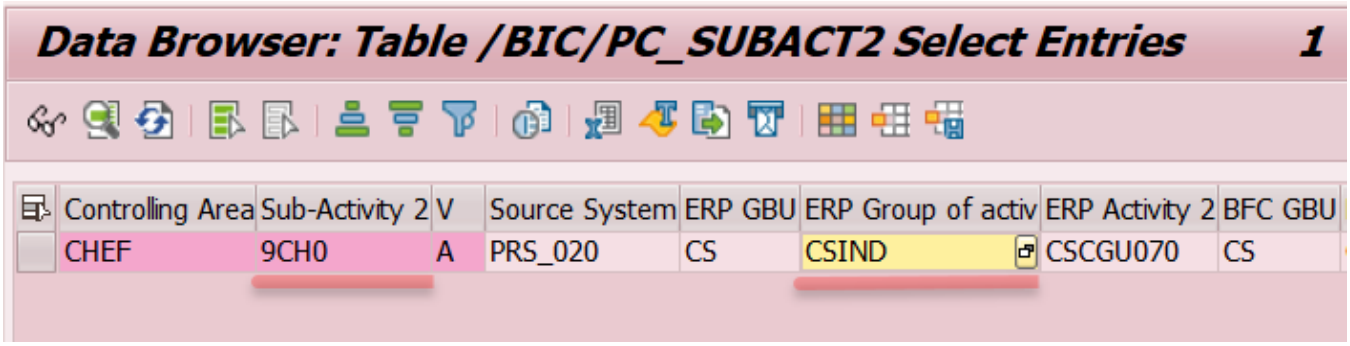
Company Code	5726
Plant	5019
Business Area	9CI0
Controlling Area	CHEF
Profit Center	FCHICA1XU1
=> Sub Activity	**9CH0**



Data Browser: Table /BIC/PC_TECPCTR Select Entries 1

Source System	Company code	Plant	Business area	Controlling Area	Technical Profit Cen	V	Restated Business Ar	BFC GBU
PF1_020	5726	5019	9CI0	CHEF	FCHICA1XU1	A	9CH0	CS

Then we can get the **Group of Activities** associated with the **Sub Activity 9CH0**:



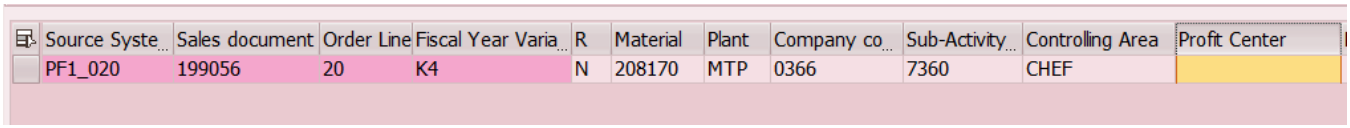
Data Browser: Table /BIC/PC_SUBACT2 Select Entries 1

Controlling Area	Sub-Activity 2	V	Source System	ERP GBU	ERP Group of activ	ERP Activity 2	BFC GBU
CHEF	9CH0	A	PRS_020	CS	CSIND	CSCGU070	CS

Case 2 : Technical Profit Center (C_TECPCTR)+ Material Plant (C_MATPNT2)

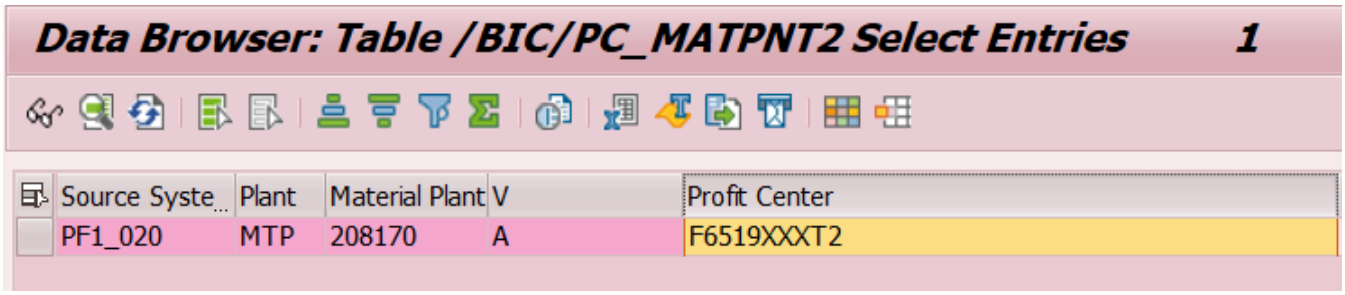
If the order information is not complete. this case was observed on orders with an **empty profit center** or not supported by Technical Profit Center masterdata (**profit center that does not start with F or D**).
So in this case, we use the Material Plant masterdata to obtain the current profit center associated with the Material / Plant.

Example for Sales order : #199056



Source Syste...	Sales document	Order Line	Fiscal Year Varia...	R	Material	Plant	Company co...	Sub-Activity...	Controlling Area	Profit Center
PF1_020	199056	20	K4	N	208170	MTP	0366	7360	CHEF	

The profit center must be filled to be able to use the Technical Profit Center masterdata. so we will add an additional step to **get the current profit center available in the Material Plant masterdata.**

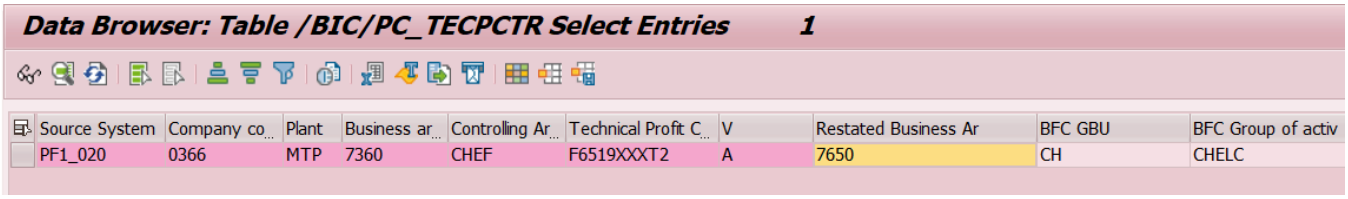


Source Syste...	Plant	Material Plant	V	Profit Center
PF1_020	MTP	208170	A	F6519XXXT2

Then we will use the Technical Profit Center masterdata + the Sub Activity masterdata as in Case 1.

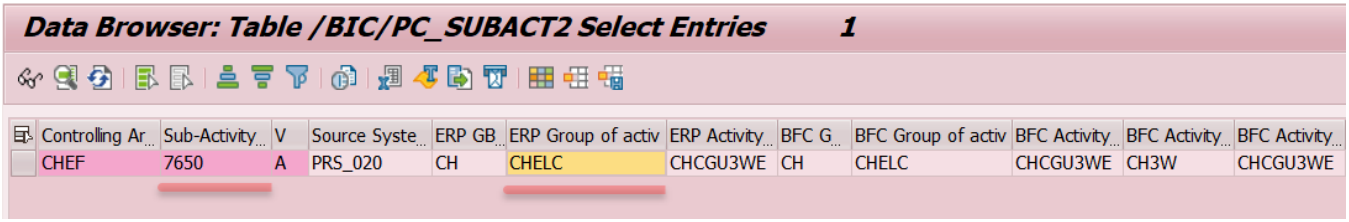
Company Code	0366
Plant	MTP
Business Area	7360
Controlling Area	CHEF
Profit Center	F6519XXXT2 (From Material Plant)
=> Sub Activity	**7650**

Technical Profit Center : C_TECPCTR



Source System	Company co...	Plant	Business ar...	Controlling Ar...	Technical Profit C...	V	Restated Business Ar	BFC GBU	BFC Group of activ
PF1_020	0366	MTP	7360	CHEF	F6519XXXT2	A	7650	CH	CHELC

Sub Activity 2 - C_SUBACT2

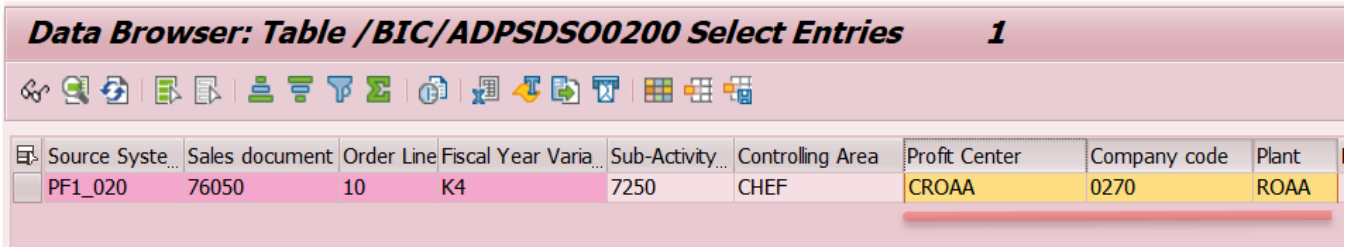


Controlling Ar...	Sub-Activity...	V	Source Syste...	ERP GB...	ERP Group of activ	ERP Activity...	BFC G...	BFC Group of activ	BFC Activity...	BFC Activity...	BFC Activity...
CHEF	7650	A	PRS_020	CH	CHELC	CHCGU3WE	CH	CHELC	CHCGU3WE	CH3W	CHCGU3WE

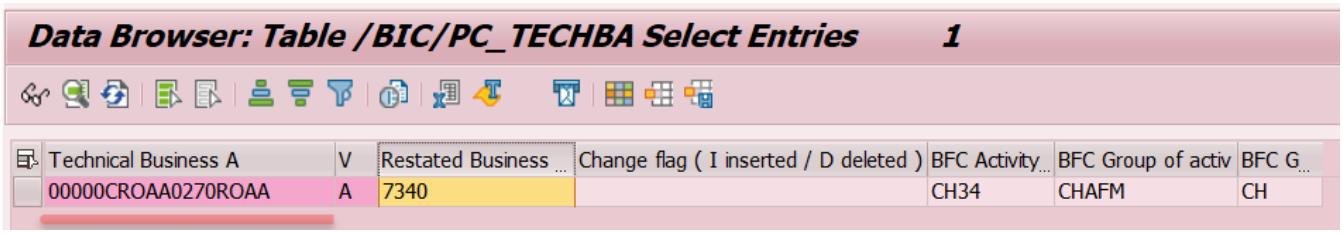
Case 3 : Technical Business Area - C_TECHBA

If the solutions listed below (Case 1 & Case 2) do not allow to get a Sub Activity. the **"Technical Business Area"** masterdata is used as a last resort based on the **profit center, the plant and the company code.**

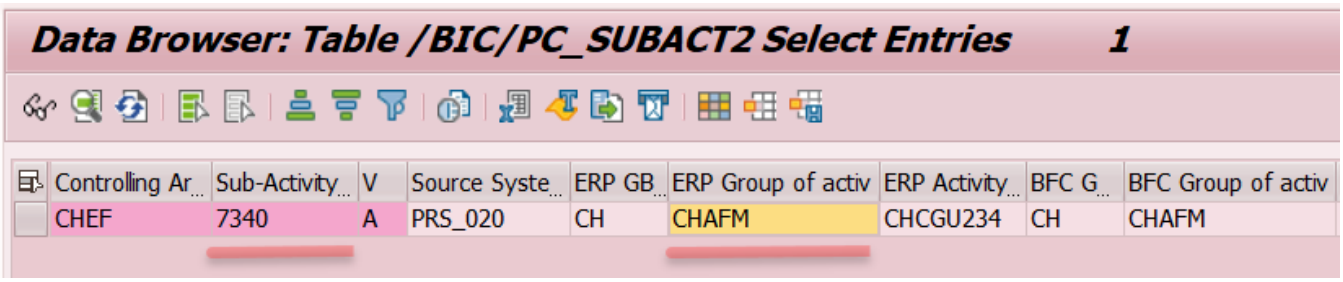
Example for order : #76050



Technical Business Area - C_TECHBA



Sub Activity 2 - C_SUBACT2



2) List of DynaSys interfaces using the Group of Activities

Interface	Source of Group of Activities	Note
DYS_BW_SKU_PW.csv	C_MATPNT2 (Look up from C_TECPCTR / C_TECHBA)	this file is not based on sales orders. it is a DynaSys Material Plant referential. The information necessary to determine the group of activities comes from the masterdata C_MATPNT2
DYS_BW_DFU.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	This file is fed by 2 separate flows: **Sales Orders and M3 Orders**. The Group of activities is defined with the information when the order is created. If an M3 order dates from 2015, then it will have the group of activities that was associated with the order at that time. However if there is a recent order for the same Material Shipto and the Profit center has been changed, then the group of activities may be different from that of the M3 order as it will be based on the new changes. **The concatenation of these flows (SO + M3) gives us 2 different Group of activities for the same Material / shipto.**
DYS_BW_MATERIAL.csv	C_MATPNT2 (Look up C_TECPCTR) for Material without Sales Order DBSDSO11 (Look up C_TECPCTR / C_TECHBA) for material with Sales Order	

DYS_BW_STDC.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_STGBU.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_SH_GI.csv	DBSDSO14 (Look up from DBSDSO11)	
DYS_BW_SH_DELDAT.csv	DBSDSO14 (Look up from DBSDSO11)	
DYS_BW_DH_GI.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_DH_DELDAT.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_MSS.csv	DBSDSO11 (Look up C_TECPCTR / C_TECHBA) + DBSDSO14 (Look up from DBSDSO11)	
DYS_BW_OOB_DELDAT.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_OOB_GI.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_OOB_CUSTDELDAT.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_OOB_CUSTGIDAT.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_M3_PARTNER_DATA.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	
DYS_BW_M3_SD_DATA.csv	DBSDSO11 (Look up from C_TECPCTR / C_TECHBA)	

- DSO DBSDSO11 - SO Global: Sales Document Item Data (Solvay).
- DSO DBSDSO14 - SO Global: Deliveries (Solvay).
- Master Data C_TECHBA - Technical Business Area
- Master Data C_TECPCTR - Technical Profit Center