

# SAP PROFITABILITY ANALYSIS CONFIGURATION

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**YOUR NO 1 SAP CONFIGURATION GUIDE**  
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## **INTRODUCTION**

### **What is the functionality of the PA module?**

PA module is the most important module when it comes to analyzing the results of the organization.

In this module you basically collect the revenues from the sale order , the costs from the production order, cost center or internal order and analyze their results.

The interesting part about this module is that when it collects the costs and revenues it also collects the characteristics associated with the costs and revenues and this is what makes it stand out.

So for eg.using PA module you can find out the following:

Profit of a certain product

Profit of a certain product in a certain region

Profit of a certain product in a certain region by a certain customer

Profit of a certain product in a certain region by a certain sales person

And the list can go on in depth


It is one of the most wonderful modules in the SAP.

So basically Profitability Analysis (CO-PA) enables you to evaluate market segments which can be classified according to products, customers, orders or any combination of these, or strategic business units (which is a group of product lines) with respect to your company's profit or contribution margin. The module aims at providing your sales, marketing, product management and corporate planning departments with information to support internal accounting and decision making.

We will configure Operating concern 9100 (Organizational structure of CO-PA). Controlling area 9100 will be attached to the operating concern. Company code 9100 will be attached to the controlling area 9100. Sounds confusing read it again .

Alright lets get started right away.

For doing the configuration we use the following path on the SAP application screen:-

SAP Menu → Tools → AcceleratedSAP → Customizing → SPRO - Edit Project →  SAP Reference IMG

**Configuration for all the modules will be done here. The above path will not be referred henceforth; we will directly refer to the IMG node.**

## **1. Structures**

### **1.1 Maintain Characteristics**

IMG → Controlling → Profitability Analysis → Structures → Define operating concern → Maintain Characteristics

#### **What are characteristics and Value Fields?**

In the operating concern two things are basically defined

- a) Characteristics
- b) Value Fields**

Characteristics are nothing but those aspects on which we want to break down the profit logically such as customer, region product, product hierarchy, sales person etc

Value Fields are nothing but the values associated with these characteristics

Eg Sales, Raw Material Cost, Labour Cost, Overheads etc

Once you define the characteristics and value fields the values are updated in the table.

So Characteristics are nothing but the analysis dimensions for CO-PA. They define what items or objects the user will be able to analyze. Several essential and obvious characteristics (like "sales organization", "customer", "product", etc.) are pre-defined automatically for every operating concern; these are known as fixed characteristics.

In addition to the fixed characteristics, up to 50 non-fixed characteristics can be added to an operating concern.

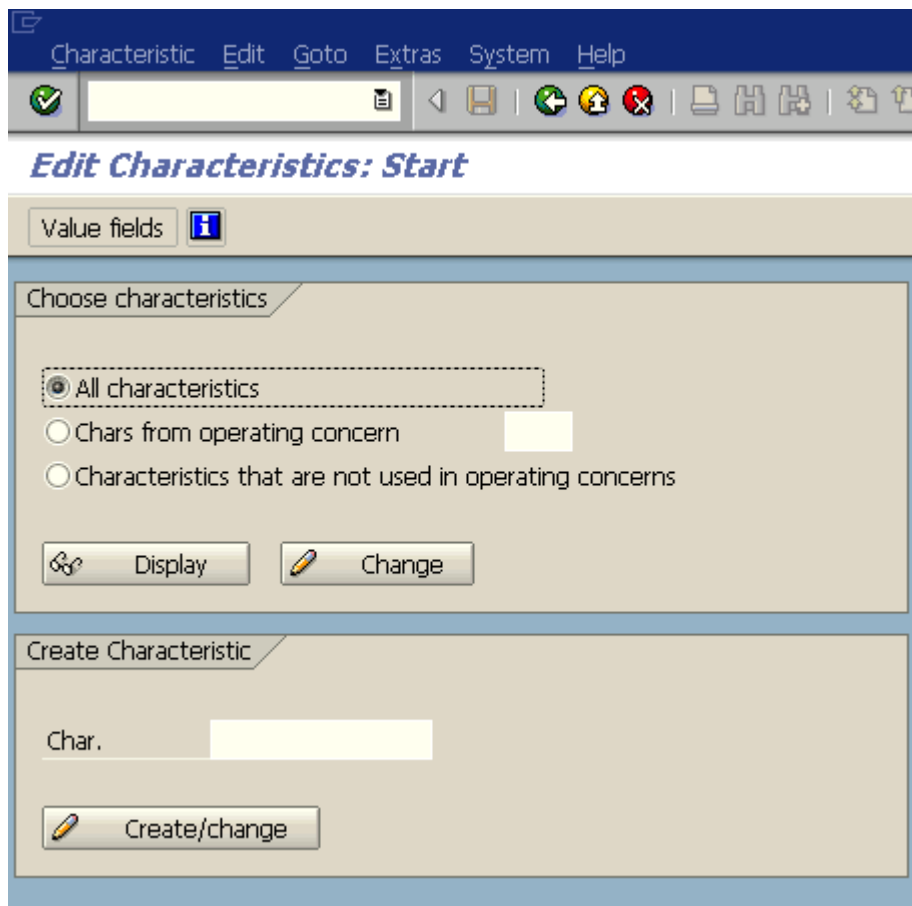
These non-fixed characteristics must be added to the field catalog before they can be used to define a new operating concern. Characteristics in the field catalog can be accessed in any client.

Characteristics can be categorized according to how and when they are defined:

- **Copying characteristics from reference tables:** You can use characteristics that already exist in other applications when you define your operating concerns.
- **Characteristics created from scratch:** You can create ones which are only required in Profitability Analysis. To derive values for these characteristics, you need to define your own derivation strategy.
- **Predefined characteristics:** In addition to the fixed characteristics, a number of other predefined characteristics are available in the field catalog and can be added to your operating concern if desired. These include the customer group, customer district, country, and others.
- **Fixed characteristics:** A number of fundamental characteristics are automatically predefined in every operating concern. These include the product number, company code, billing type, business area, sales order, and so on.

Let us first view the Characteristics delivered by SAP.

Update the following:-



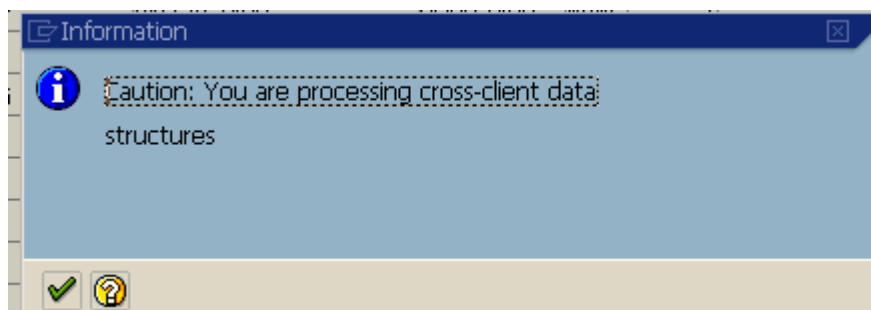
Click on  Display



Characteristics Edit Goto Extras System Help						
Display Characteristics: Overview						
Char.	Description	Short text	DT...	Length	Origin table	Origin field d
BONUS	Vol. rebate grp	Rebate grp	CHAR	2	MVKE	BONUS
BRSCH	Industry	Industry	CHAR	4	KNA1	BRSCH
BZIRK	Sales district	District	CHAR	6	KNVV	BZIRK
COPA_KOSTL	Cost center	Cost ctr	CHAR	10		
COPA_PRZNR	Business proc.	BusProcess	CHAR	12		
CRMCTSTY	CRM Cost elem.	CRM CstElm	CHAR	10		
CRMELEM	Marketing element	Mktg elem.	NUMC	8		
CRMFIGR	CRM key figure	CRM KF	CHAR	16		
EFORM	Form of manufacture	Manuf.form	CHAR	5		
EXTWG	Brand-SKU	Brand-SKU	CHAR	18	MARA	EXTWG
GEBIE	State	State	CHAR	4		
KDGRP	Customer group	Cust.group	CHAR	2	KNVV	KDGRP
KMATYP	Aircraft type	Plane type	NUMC	2		
KMBRND	Brand	Brand	NUMC	2		
KMCATG	Business field	Bus. field	NUMC	2		
KMDEST	Destination	Destin.	CHAR	5		
KMFLTN	Flight number	Flight no.	CHAR	6		
KMFLTY	Flight type	FlightType	CHAR	4		
KMHIO1	CustomerHier01	CustHier01	CHAR	10	PAPARTNER	HIE01
KMHIO2	CustomerHier02	CustHier02	CHAR	10	PAPARTNER	HIE02
KMHIO3	CustomerHier03	CustHier03	CHAR	10	PAPARTNER	HIE03
KMIATA	IATA season	IATA seas.	CHAR	5		
KMKDGR	Customer group	Cust.group	CHAR	2	KNVV	KDGRP

The characteristic which we want (Bill to party) is not readily available so we need to create them

Click 



Click 

Create Char.: Assignment

☒ Transfer from SAP table

Table

☐ User defined

Char.

☒ With own value maintenance

☐ Without value maint.

☐ With reference to existing values

Data element

☒ ☐

Take a drop down in the field Table and select PAPARTNER

Allowed reference tables (1) 16 Entries found

Restrictions

Table Name	Short text
KNA1	General Data in Customer Master
KNB1	Customer Master (Company Code)
KNVV	Customer Master Sales Data
MARA	General Material Data
MARC	Plant Data for Material
MVKE	Sales Data for Material
PACRMSLS	Attributes of CRM Sales That Can be Used in PA
PACRMSRV	Attributes of CRM Service that can be used in PA
PAPARTNER	SD partner that can be used in CO-PA
PARETAIL	Retail fields that can be used in CO-PA
PRPS	WBS (Work Breakdown Structure) Element Master Data
T001W	Plants/Branches
VBAK	Sales Document: Header Data
VBAP	Sales Document: Item Data
VBKD	Sales Document: Business Data
VIAUFKST	Generated Table for View VIAUFKST

Create Char.: Assignment

☒ Transfer from SAP table

Table

☐ User defined

Char.

☒ With own value maintenance

☐ Without value maint.

☐ With reference to existing values

Data element

☒ ☐

Select Bill to party

Reference Table: PAPARTNER SD partner that can

Field	Orig.name	Description	Data element	Cat.	Length
MANDT	MANDT	Client	MANDT	CLNT	3
KUNWE	KUNWE	Ship-to party	KUNWE	CHAR	10
KUNRE	KUNRE	Bill-to party	KUNRE	CHAR	10
KUNRG	KUNRG	Payer	KUNRG	CHAR	10
SPDNR	SPDNR	FwdAgent	SPDNR	CHAR	10
VRTNR	VRTNR	Sales employee	VRTNR	NUMC	8
PDUMMY	PDUMMY		DUMMY	CHAR	1
HIE01	HIE01	CustomerHier01	HIEZU01	CHAR	10
HIE02	HIE02	CustomerHier02	HIEZU02	CHAR	10
HIE03	HIE03	CustomerHier03	HIEZU03	CHAR	10
HIE04	HIE04	CustomerHier04	HIEZU04	CHAR	10

☒ ☐ ☐ ☐ ☐

**Now we will create a user defined characteristic. A user defined characteristic should begin with WW**

Update the following:-

**Create Char.: Assignment**

☐ Transfer from SAP table

Table

☒ User defined

Char.

☒ With own value maintenance

☐ Without value maint.

☐ With reference to existing values

Data element

☒ ☐

**Create Char. WW007**

Characteristic

**Texts**

Description

Short text

Heading

**Further Properties**

Status

Display opt.

**ABAP Dictionary**

Data element

Domain

Data type/length

**Validation**

☐ No check

☐ Fixed values

☒ Check table

Text table

Text field

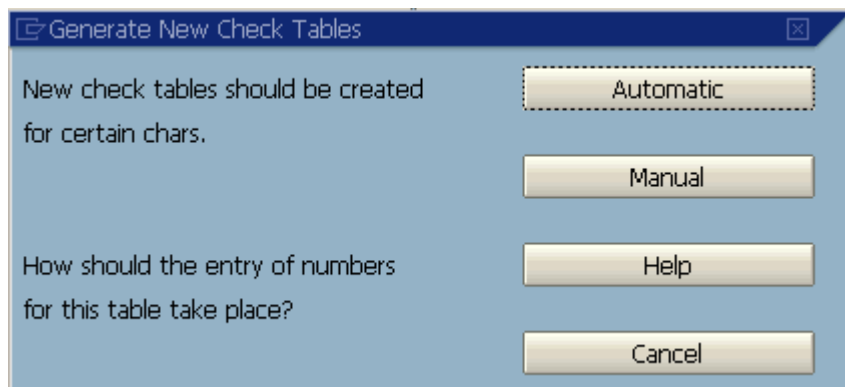
Long text field

**Origin**

Origin table

Origin field

Click **Save** 



Generate New Check Tables

New check tables should be created for certain chars.

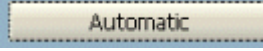
Automatic

Manual

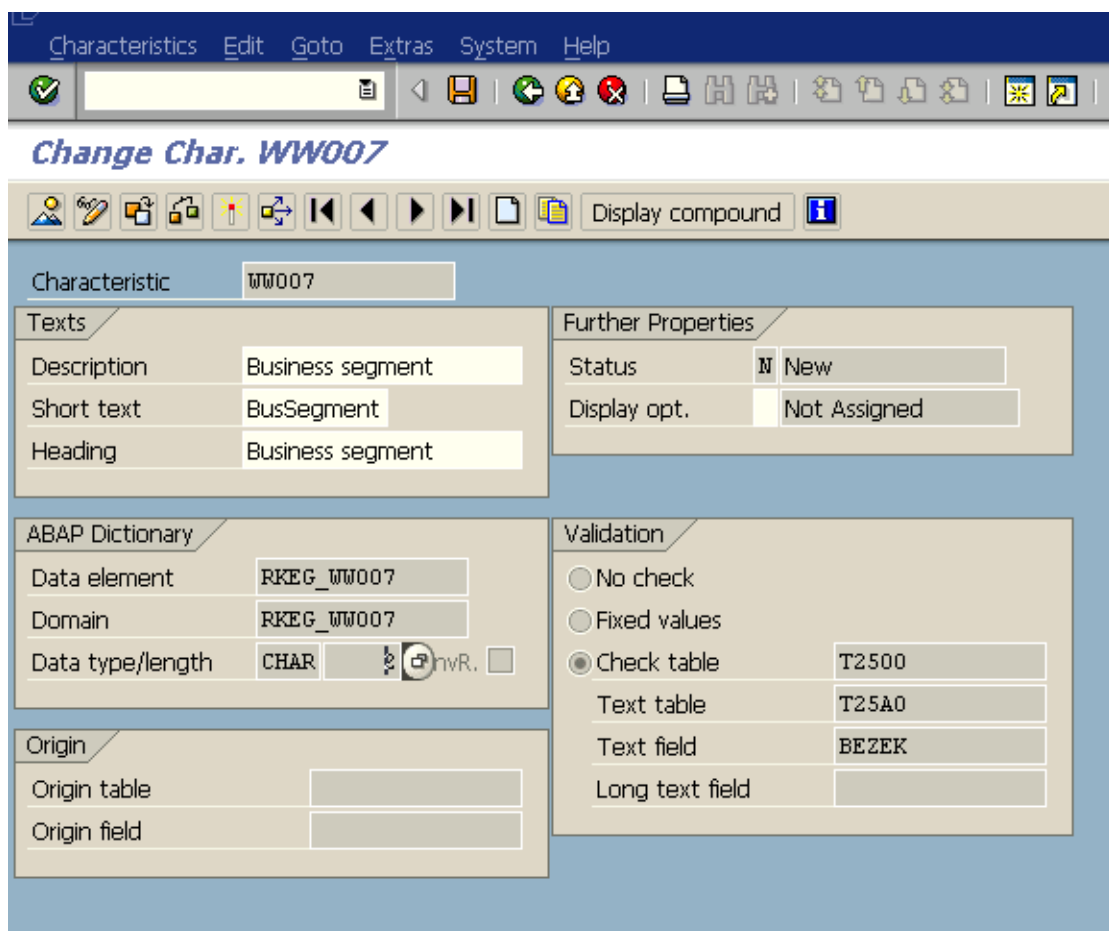
How should the entry of numbers for this table take place?

Help

Cancel

Click 

Note now that the check table number, text table, text field, data element domain has been populated with values automatically.



Characteristics Edit Goto Extras System Help

Change Char. WW007

Characteristic WW007

Texts

Description	Business segment
Short text	BusSegment
Heading	Business segment

Further Properties

Status	New
Display opt.	Not Assigned

ABAP Dictionary

Data element	RKEG_WW007
Domain	RKEG_WW007
Data type/length	CHAR 1


Validation

<input type="radio"/> No check	
<input type="radio"/> Fixed values	
<input checked="" type="radio"/> Check table	T2500
Text table	T25A0
Text field	BEZEK
Long text field	

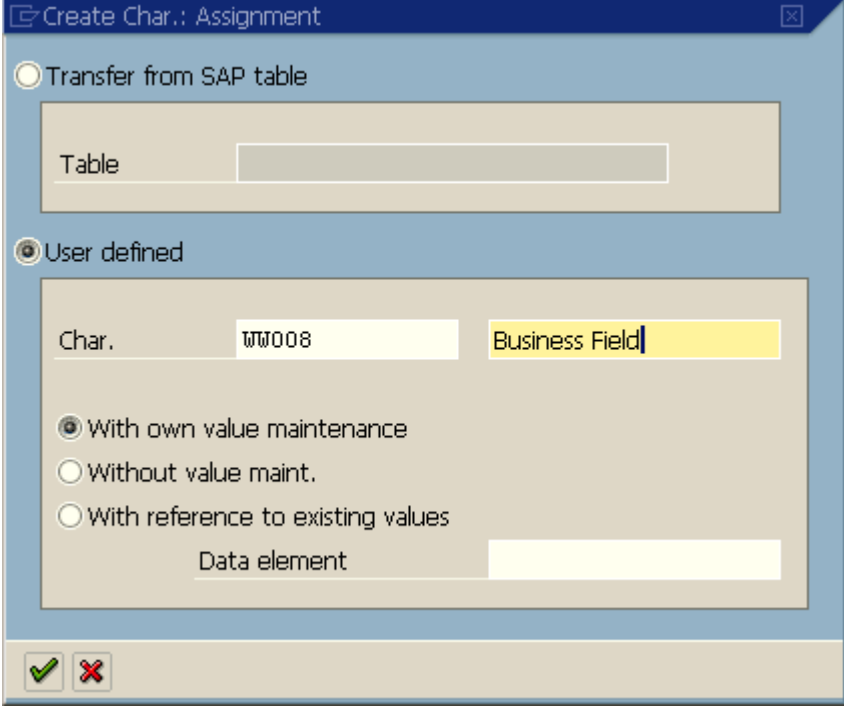
Origin

Origin table	
Origin field	

Click on  to activate the characteristic.

Click  to create another user define characteristic Business field.

Update the following:-



The image shows the 'Create Char.: Assignment' dialog box in SAP. It has a title bar with a blue background and a close button. The dialog is divided into two main sections. The first section, 'Transfer from SAP table', is currently inactive. The second section, 'User defined', is active and contains the following fields and options: 'Char.' with the value 'WW008', 'Business Field' with the value 'Business Field', and three radio buttons: 'With own value maintenance' (selected), 'Without value maint.', and 'With reference to existing values'. Below these radio buttons is a 'Data element' field. At the bottom of the dialog are two buttons: a green checkmark and a red X.

Section	Field	Value
Transfer from SAP table	Table	
User defined	Char.	WW008
	Business Field	Business Field
	With own value maintenance	Selected
	Without value maint.	Not selected
User defined	With reference to existing values	Not selected
	Data element	

Update the short text, heading and data type

Characteristics Edit Goto Extras System Help

Create Char. WW008

Characteristic WW008

Texts

Description Business Field

Short text BusinField

Heading Business Field

Further Properties

Status do(es) not exist

Display opt. Not Assigned

ABAP Dictionary

Data element

Domain

Data type/length CHAR 2 ConvR. ☐

Validation

☐ No check

☐ Fixed values

☒ Check table T25\*\*

Text table T25\*\*

Text field

Long text field

Origin

Origin table

Origin field

Click **Save** 

Generate New Check Tables

New check tables should be created for certain chars.

Automatic

Manual

How should the entry of numbers for this table take place?

Help

Cancel

Click 

Change Char. WW008

Characteristic: WW008

Texts

Description: Business Field

Short text: BusinField

Heading: Business Field

Further Properties

Status: N New

Display opt.: Not Assigned

ABAP Dictionary

Data element: RKEG\_WW008

Domain: RKEG\_WW008

Data type/length: CHAR 2 ConvR. ☐

Validation

☐ No check

☐ Fixed values

☒ Check table: T2501

Text table: T25A1

Text field: BEZEK

Long text field:

Origin

Origin table:


Origin field:

Note now that the check table number, text table, text field, data element domain has been populated with values automatically.

Click  to activate

You will get the following message, ignore it.

Check results: Display messages

Typ	Message text
	Field KMWKGR has the same name as field VKGRP

0 0 1 0



## 1.2 Maintain Value fields

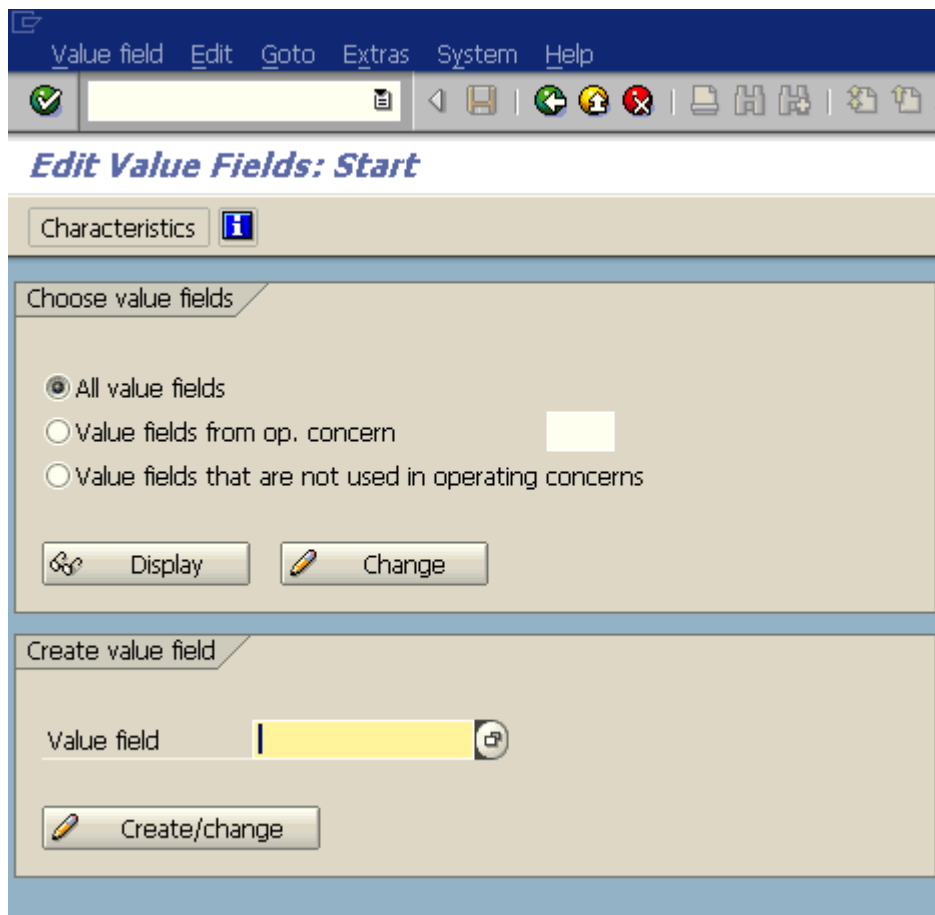
IMG → Controlling → Profitability Analysis → Structures → Define operating concern → Maintain Value Fields

Value Fields are nothing but the values associated with the above characteristics. Once you have defined the characteristics in the above manner then you need to determine what are the values you would like to analyse for Eg Sales, Raw Material Cost, Labour Cost, Overheads etc

There are some SAP rules for defining value fields which are laid down below:

### **Maintaining Value field in the field catalog:-**

- All value fields must exist in the field catalog (here) before they can be used to define a new operating concern. Value fields in the field catalog can be accessed in any client.
- SAP has some suggested value fields which might be used in a new operating concern. Value fields can also be defined independently (but they should begin with VV..., and should be 4 to 5 characters total)
- It is not necessary to create value fields for calculated items, such as net sales, contribution margin, etc. These items are normally calculated from the base values stored in the value fields during the report execution progress (to minimize necessary data storage requirements).

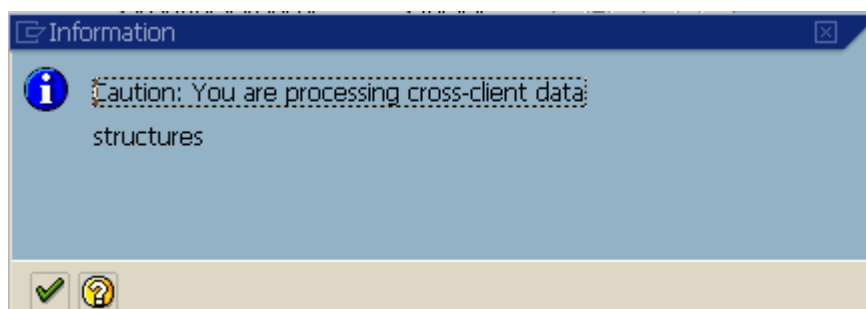



Click  Display to check the SAP provided value fields

Value fields Edit Goto Extras System Help					
Display Value Fields: Overview					
Value field	Description	Short text	Curr.	Qty	
ABSMG	Sales quantity	Sales qty	<input type="radio"/>	<input checked="" type="radio"/>	
AUSFR	Outgoing freight	Outg. freight	<input checked="" type="radio"/>	<input type="radio"/>	
EINFR	Incoming freight	Inc. freight	<input checked="" type="radio"/>	<input type="radio"/>	
EINVP	Incom. packaging	Inc. pack.	<input checked="" type="radio"/>	<input type="radio"/>	
ERLOS	Revenue	Revenue	<input checked="" type="radio"/>	<input type="radio"/>	
FERTF	Fix. manuf. costs	FxManuCost	<input checked="" type="radio"/>	<input type="radio"/>	
FERTP	Vbl. manuf. costs	VManufCst.	<input checked="" type="radio"/>	<input type="radio"/>	
HILFS	Oper. supplies	Op. suppl.	<input checked="" type="radio"/>	<input type="radio"/>	
JBONU	Annual rebates	Rebates	<input checked="" type="radio"/>	<input type="radio"/>	
KWABFK	Ship/trpt variances	Shp/TrtVar	<input checked="" type="radio"/>	<input type="radio"/>	
KWABLG	Lot size variances	LotSizeVar	<input checked="" type="radio"/>	<input type="radio"/>	
KWABLK	Prod. Costs Variance	PrdCostVar	<input checked="" type="radio"/>	<input type="radio"/>	
KWABMG	Quantity variances	Qty var.	<input checked="" type="radio"/>	<input type="radio"/>	
KWABPR	Price variances	Price var.	<input checked="" type="radio"/>	<input type="radio"/>	
KWABSG	Other variances	Other var.	<input checked="" type="radio"/>	<input type="radio"/>	
KWABST	Resource-usage var.	ResUseVar.	<input checked="" type="radio"/>	<input type="radio"/>	
KWAGTK	Sales agent commissn	AgentComm.	<input checked="" type="radio"/>	<input type="radio"/>	
KWAKRB	Spec. offer discount	SpecDiscnt	<input checked="" type="radio"/>	<input type="radio"/>	
KWBKPZ	No. of block seats	BlockSeats	<input type="radio"/>	<input checked="" type="radio"/>	
KWBLKS	Revenue: Block seats	RevBlkSeat	<input checked="" type="radio"/>	<input type="radio"/>	
KWBLOK	Block hours	Block hrs	<input type="radio"/>	<input checked="" type="radio"/>	
KWBONI	Bonuses	Bonuses	<input checked="" type="radio"/>	<input type="radio"/>	
KWBRUM	Gross sales	GrossSales	<input checked="" type="radio"/>	<input type="radio"/>	

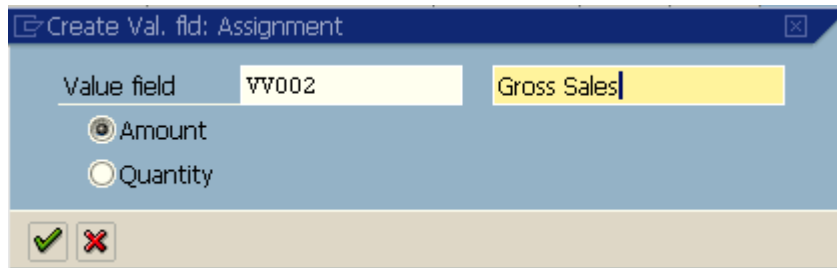
We will create our own value fields, therefore

Click 



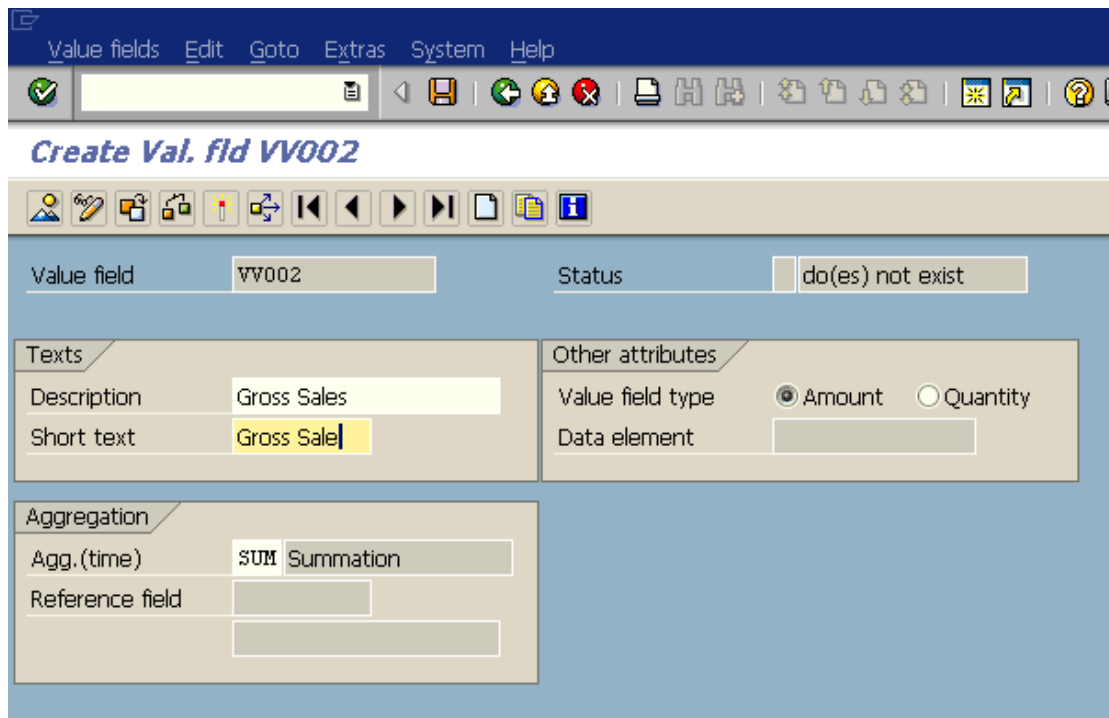
Click  to create value field

Update the following:-




The dialog box titled "Create Val. fld: Assignment" has a blue header bar with a close button. It contains two input fields: "Value field" with the text "VV002" and a second field with the text "Gross Sales". Below these fields are two radio buttons: "Amount" (selected) and "Quantity". At the bottom left are two buttons: a green checkmark and a red X.

Update short text



The screenshot shows the SAP Value Field Editor for value field "VV002". The title bar reads "Create Val. fld VV002". The menu bar includes "Value fields", "Edit", "Goto", "Extras", "System", and "Help". The toolbar contains various icons for navigation and editing. The main area is divided into several sections: "Value field" (VV002) and "Status" (do(es) not exist) at the top. Below this is a "Texts" section with "Description" (Gross Sales) and "Short text" (Gross Sale). To the right is an "Other attributes" section with "Value field type" (Amount selected) and "Data element". At the bottom is an "Aggregation" section with "Agg.(time)" (SUM Summation) and "Reference field" (empty).

Click  to activate the value field.

Click  to create another value field

Create Val. fld: Assignment

Value field

☒ Amount  
☐ Quantity

☒ ☐

Create Val. fld VV003

Value field  Status

Texts

Description   
Short text

Other attributes

Value field type ☒ Amount ☐ Quantity  
Data element

Aggregation

Agg.(time)    
Reference field

Click  to activate the value field.

In the screen below, you will see the status of the value field has become active.

Value fields Edit Goto Extras System Help

Change Val. fld VV003

Value field VV003 Status A active


Texts	Other attributes
Description Returns	Value field type <input checked="" type="radio"/> Amount <input type="radio"/> Quantity
Short text Returns	Data element RKE2_VV003

Aggregation
Agg.(time) SUM Summation
Reference field

Similarly create other value fields:-

These are the value fields created by us.

Value fields Edit Goto Extras System Help					
Change Value Fields: Overview					
Value field	Description	Short text	Curr.	Qty	
VV001	Sales Unit	Sales Unit	<input type="radio"/>	<input checked="" type="radio"/>	
VV002	Gross Sales	Gross Sale	<input checked="" type="radio"/>	<input type="radio"/>	
VV003	Returns	Returns	<input checked="" type="radio"/>	<input type="radio"/>	
VV004	Discounts	Discounts	<input checked="" type="radio"/>	<input type="radio"/>	
VV010	Invoice Qty	Invoice Qt	<input type="radio"/>	<input checked="" type="radio"/>	
VV109	Revaluation S-Prices	RevalSpric	<input checked="" type="radio"/>	<input type="radio"/>	
VV014	Other Sales adjusts	Otr Sale a	<input checked="" type="radio"/>	<input type="radio"/>	
VV015	Raw Materials/G fr	RM/ Gfri	<input checked="" type="radio"/>	<input type="radio"/>	
VV016	Mfg. cost variable	Mfg. cost	<input checked="" type="radio"/>	<input type="radio"/>	
VV017	Vol. Var. Prod. CC	Vol Var. P	<input checked="" type="radio"/>	<input type="radio"/>	
VV019	Mfg. cost fixed	Mfg.Fixed	<input checked="" type="radio"/>	<input type="radio"/>	
VV020	SKU Qty	SKU Qty	<input type="radio"/>	<input checked="" type="radio"/>	
VV023	Price var. Prod. ord	PriVarPord	<input checked="" type="radio"/>	<input type="radio"/>	
VV024	Other Var Prod. Ord	OthVarPord	<input checked="" type="radio"/>	<input type="radio"/>	
VV026	Val.diff in stocks	Valdiffsto	<input checked="" type="radio"/>	<input type="radio"/>	
VV051	Marketing costs	Marketing	<input checked="" type="radio"/>	<input type="radio"/>	
VV057	Research & Developme	R & D	<input checked="" type="radio"/>	<input type="radio"/>	

Click on Save 

### 1.3 Maintain Operating Concern

IMG → Controlling → Profitability Analysis → Structures → Define operating concern → Maintain Operating Concern

Operating Concern is the organizational unit in Controlling-Profitability analysis (CO-PA).

The operating concern can have 2 approaches:-

- 1) Costing based Profitability Analysis – This groups costs and revenues according to value fields and costing based valuation approaches.
- 2) Account based Profitability Analysis - groups costs and revenues according to accounts and uses an accounting based

valuation approach. Accounting based Profitability is permanently reconciled with Financial accounting. Costing based Profitability analysis is a powerful approach providing greater analysis capability.

In costing based we define operating concern by selecting the characteristic (the one created by us and SAP delivered) and the value fields (created by us) to be used in the data structures.

The structure of an operating concern is valid in all clients.

The system creates following table in costing base co-pa :-

CE1XXXX (where XXXX is the operating concern code) – Actual line item table

CE2XXXX – Plan line item table

CE3XXXX – Summary records by profitability segments

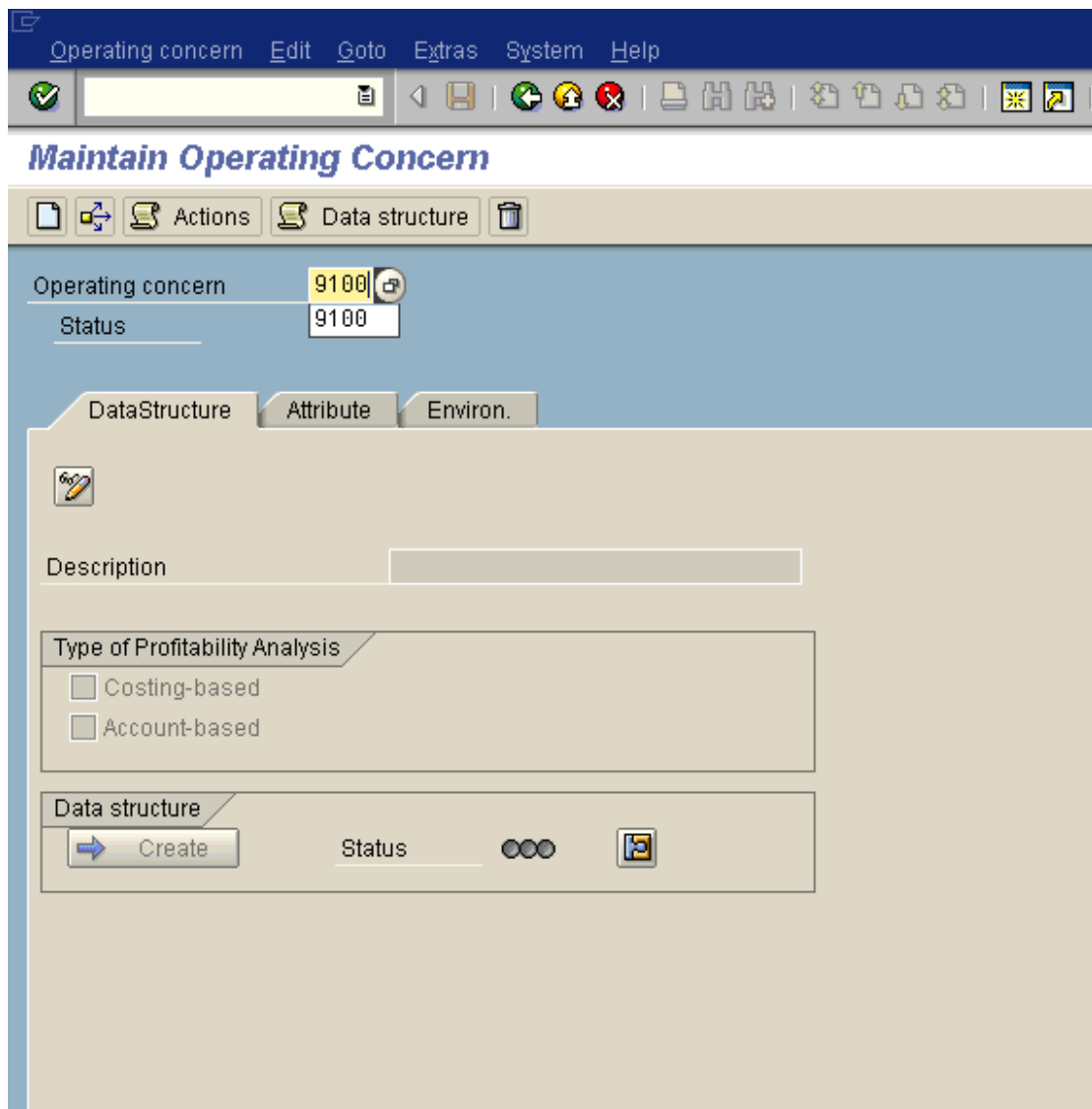
CE4XXXX - Profitability segment definitions


**It is important to note here that no customizing request get generated here. You have to transport the setting through a separate transaction code called as KE3I. We will refer specifically wherever customizing requests get generated. This means you do not have to use the program KE3I for some customizing objects.**

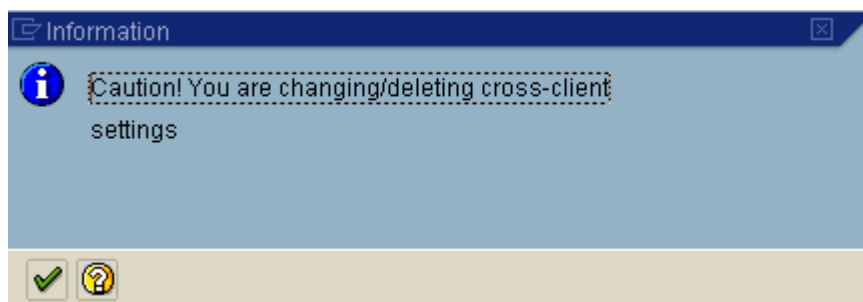
**We are configuring the costing based co-pa.**

Update the following:-





Click on create 



Click 

Update the following:-

The screenshot shows the 'Maintain Operating Concern' window in SAP. The menu bar includes 'Operating concern', 'Edit', 'Goto', 'Extras', 'System', and 'Help'. The toolbar contains various icons for file operations and navigation. The main area has tabs for 'DataStructure', 'Attribute', and 'Environ.'. The 'DataStructure' tab is active, displaying a 'Sample operating concern' field, a 'Get template' button, a 'Description' field with the text 'A Group Operating concern', and a 'Type of Profitability Analysis' section with 'Costing-based' selected. Below this is a 'Data structure' section with a 'Create' button and a 'Status' field.

Click 

### Currency types

- **Operating concern currency** In costing-based Profitability Analysis, actual data is always updated in the operating concern currency.
- **Company code currency** In addition to the operating concern currency, you have the option of storing all data in the currency of the relevant company code as well. This is required if your organization operates internationally and deals with exchange rates that change daily. It allows you to avoid differences due to different exchange rates and lets you reconcile your CO-PA data directly with FI
- **Profit center valuation** You can also store data in both of these currencies valuated from the viewpoint of individual profit centers.

Since A grp is based in the Middle east we select that country's currency. Further we also select the company code currency so that each company code can have an analysis in it's own company code currency.

Please remember that the company code currency is only to be switched on, if you have a single controlling area and a single operating concern for multiple company codes operating in different countries. Switching on the company code significantly increase your data volume.

Fiscal year variant:-The fiscal year variant should match with the controlling area fiscal year variant and the company code fiscal year variant. We select K4 since Company code 9100; controlling area 9100 has the same fiscal year variant.

Update the following:-


The screenshot shows the 'Maintain Operating Concern' dialog box in SAP. The 'Operating concern' field is set to '9100' and the 'Status' is '000'. The 'DataStructure' tab is selected. Under 'Currency types for costing-based Profitability Analysis', 'Operating concern currency' is 'SAR', 'Company code currency' is checked, and 'OpConcern crcy,PrCtr valuation' and 'Comp.Code crcy,PrCtr valuation' are unchecked. The 'Fiscal year variant' is set to 'K4'. At the bottom, under '2nd period type - weeks', both 'Act. 2nd per. type' and 'Plan 2nd per. type' are unchecked.

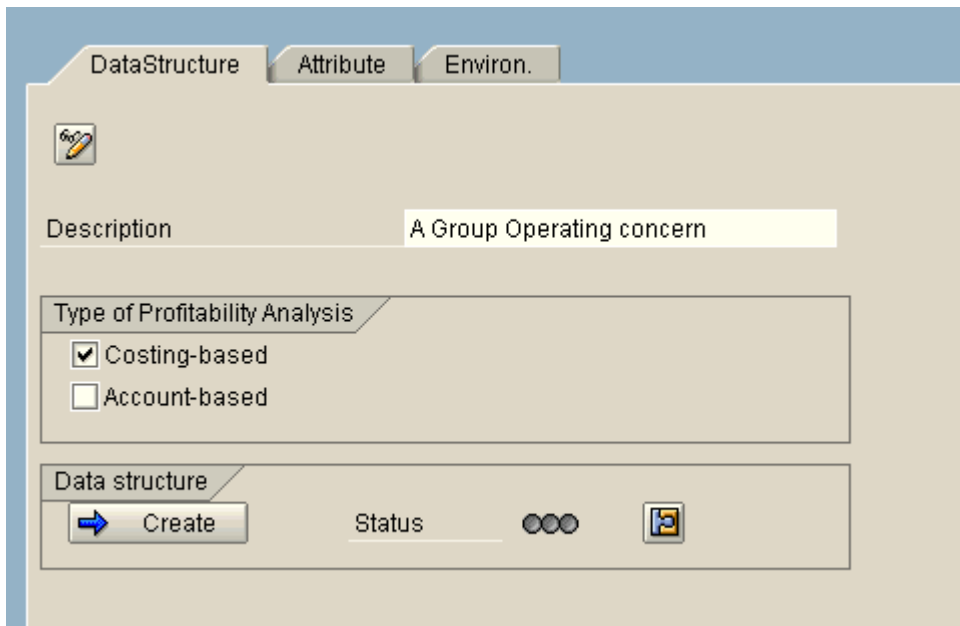
Currency types for costing-based Profitability Analysis	
Operating concern currency	SAR
Company code currency	<input checked="" type="checkbox"/>
OpConcern crcy,PrCtr valuation	<input type="checkbox"/>
Comp.Code crcy,PrCtr valuation	<input type="checkbox"/>

Fiscal year variant: K4

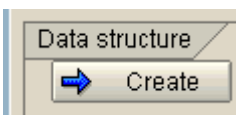
2nd period type - weeks

- ☐ Act. 2nd per. type
- ☐ Plan 2nd per. type

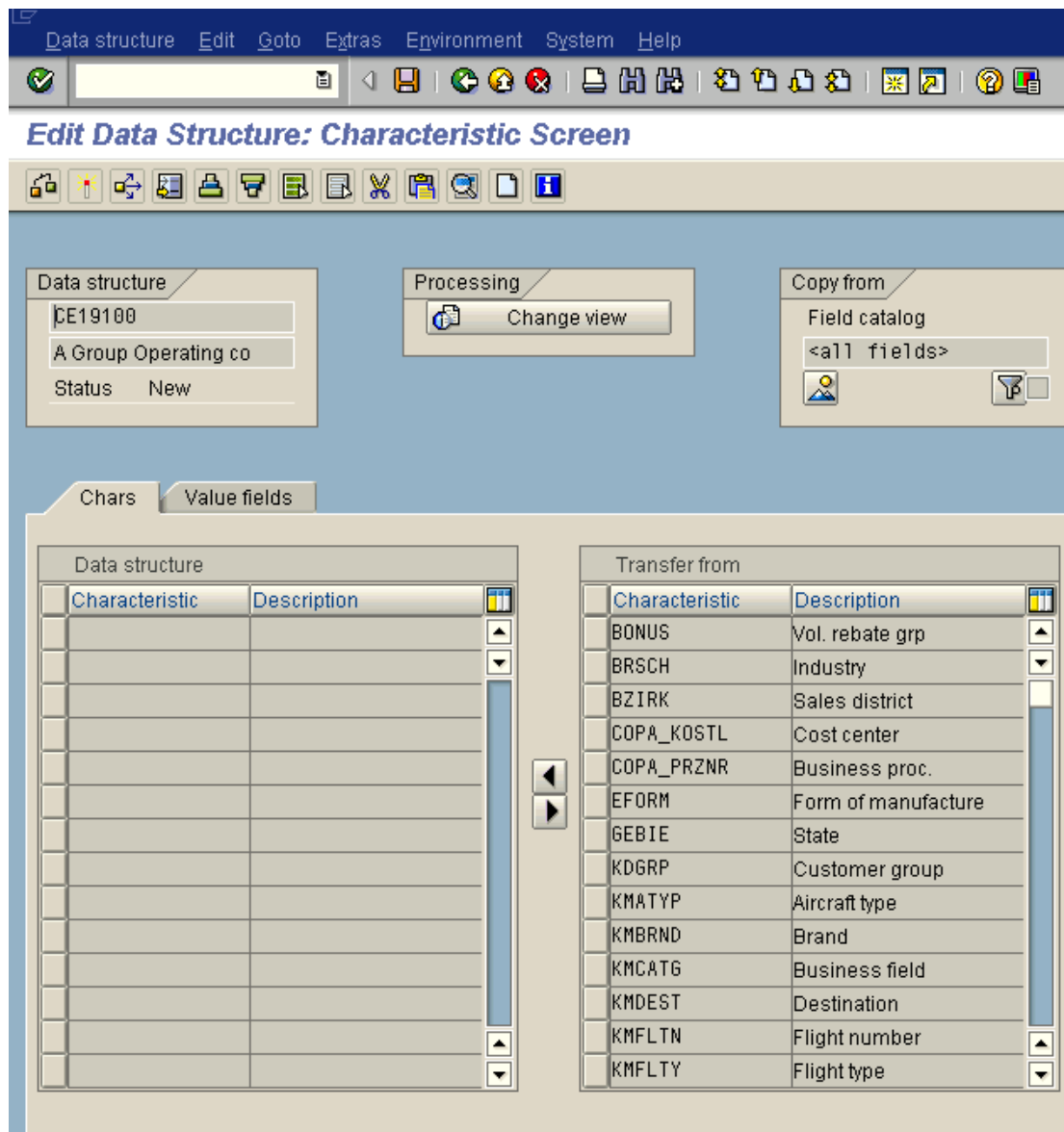
Click on **Save** 



The screenshot shows a software window with three tabs: "DataStructure", "Attribute", and "Environ.". The "DataStructure" tab is active. It contains a "Description" field with the text "A Group Operating concern". Below this is a section titled "Type of Profitability Analysis" with two checkboxes: "Costing-based" (checked) and "Account-based" (unchecked). At the bottom is a section titled "Data structure" containing a "Create" button with a right-pointing arrow, a "Status" field with three circles, and a save icon.

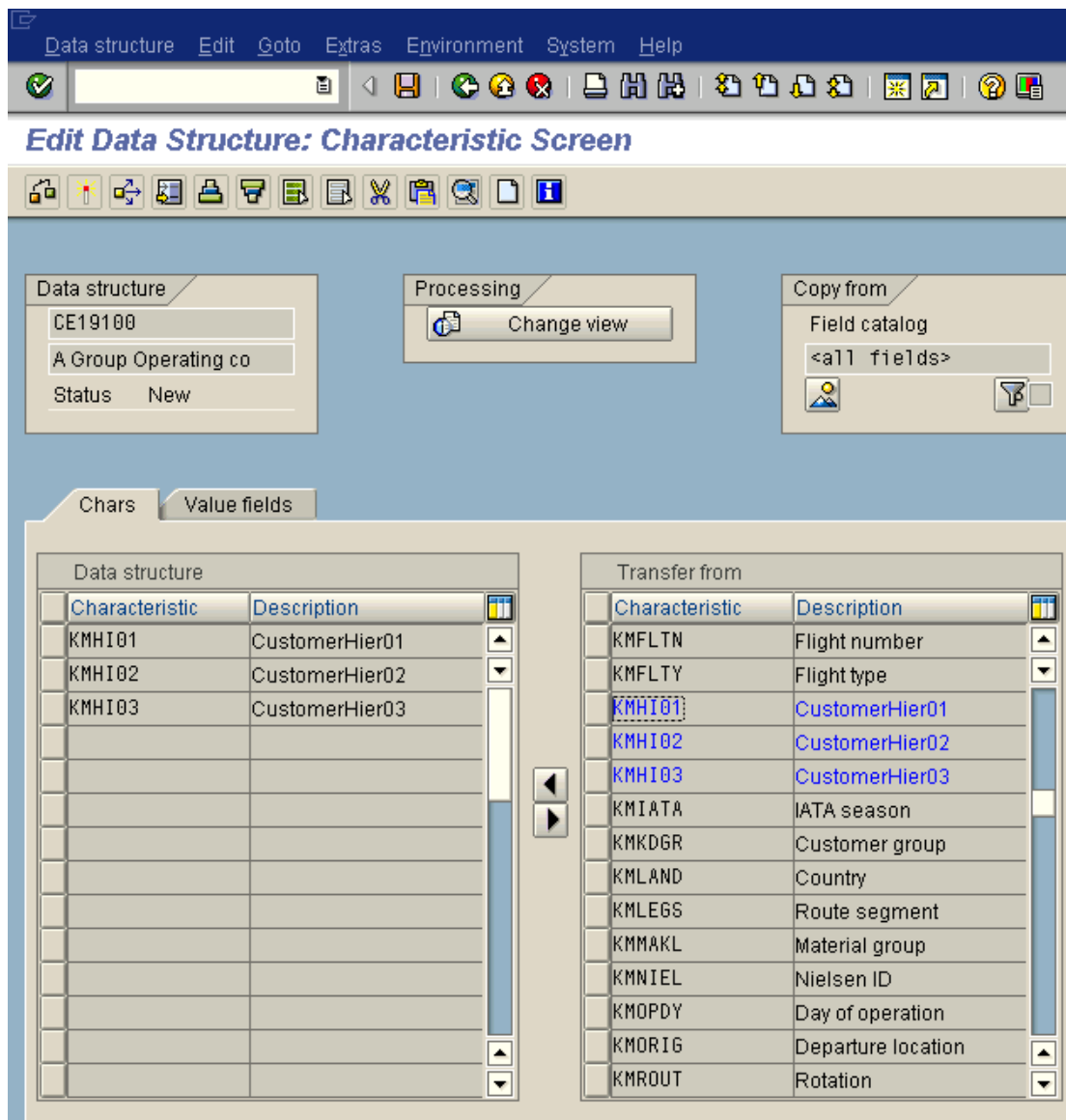
Click on 

Here we need to select the characteristics available, into our operating concern. On the right side are shown available characteristic, you need to select and take it to the left side.

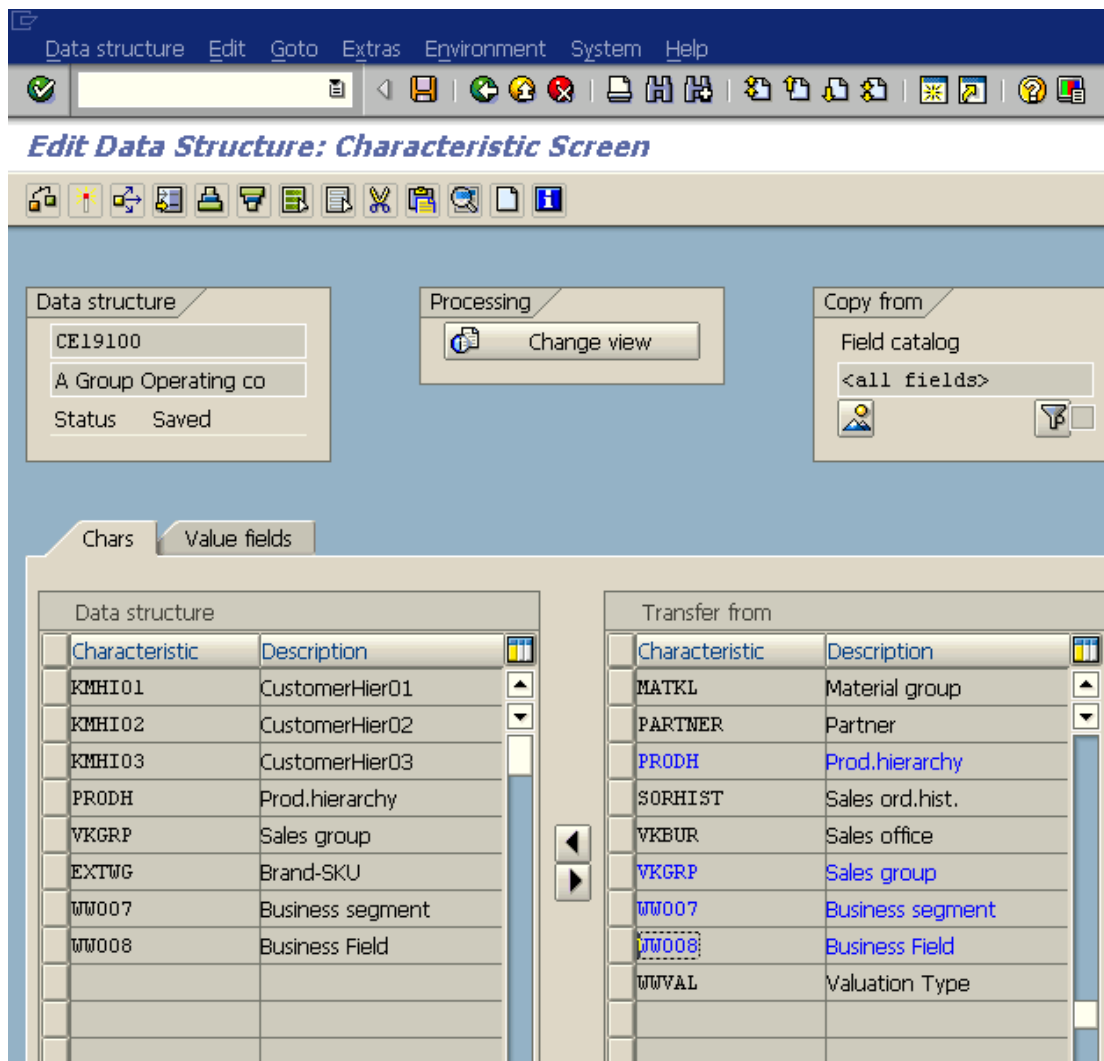


Select the following characteristic from the available characteristic





Similarly select other, which will look like this

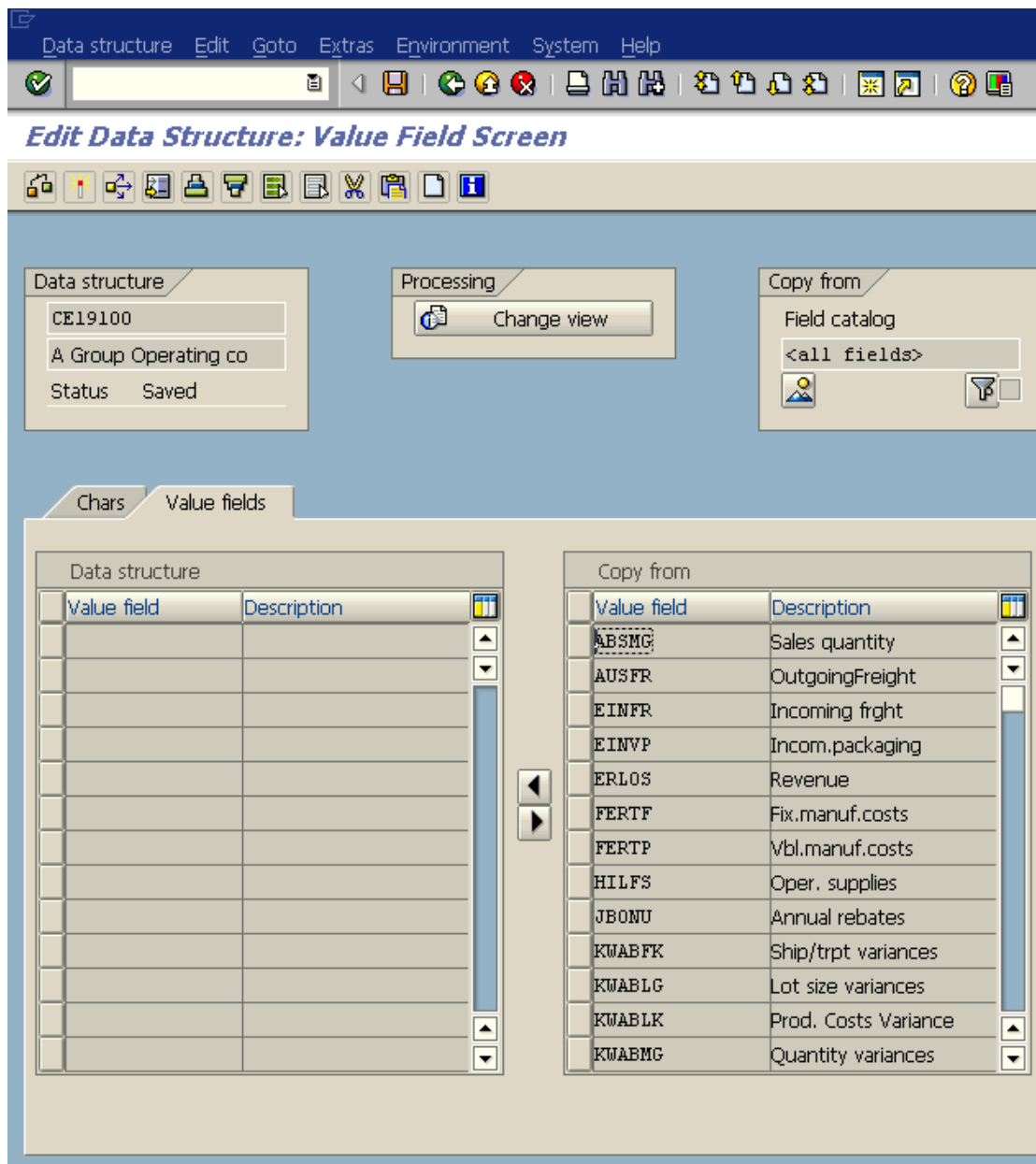



Click

Value fields

Similarly select the value fields into our operating concern.

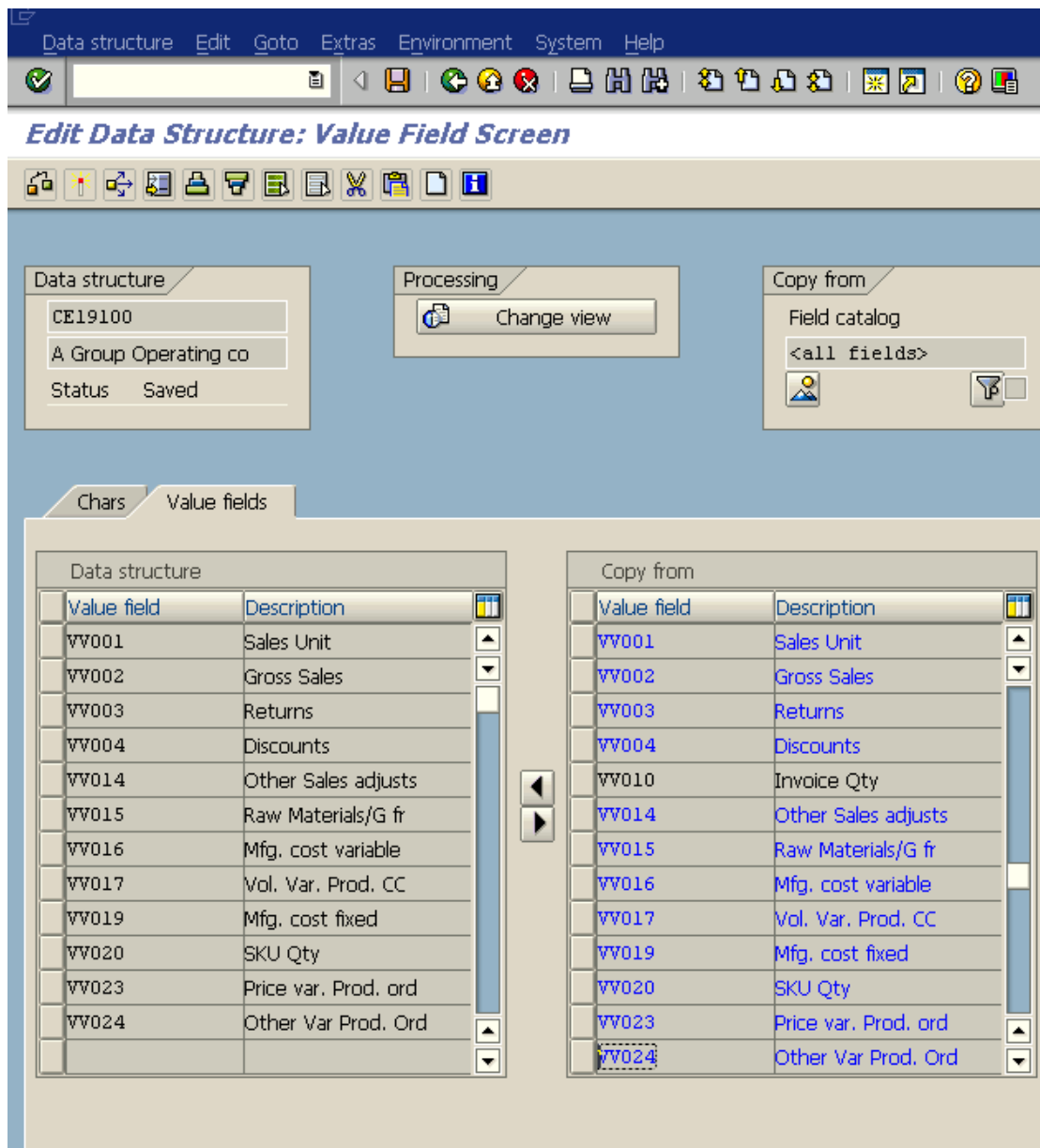




Click  to scroll down to next page of value field until you see the value fields created by us such as VV001 Sales unit

Select these value fields





Further select all other value fields created by us

Data structure Edit Goto Extras Environment System Help

**Edit Data Structure: Value Field Screen**

Data structure: CE19100  
A Group Operating co  
Status Saved

Processing: Change view

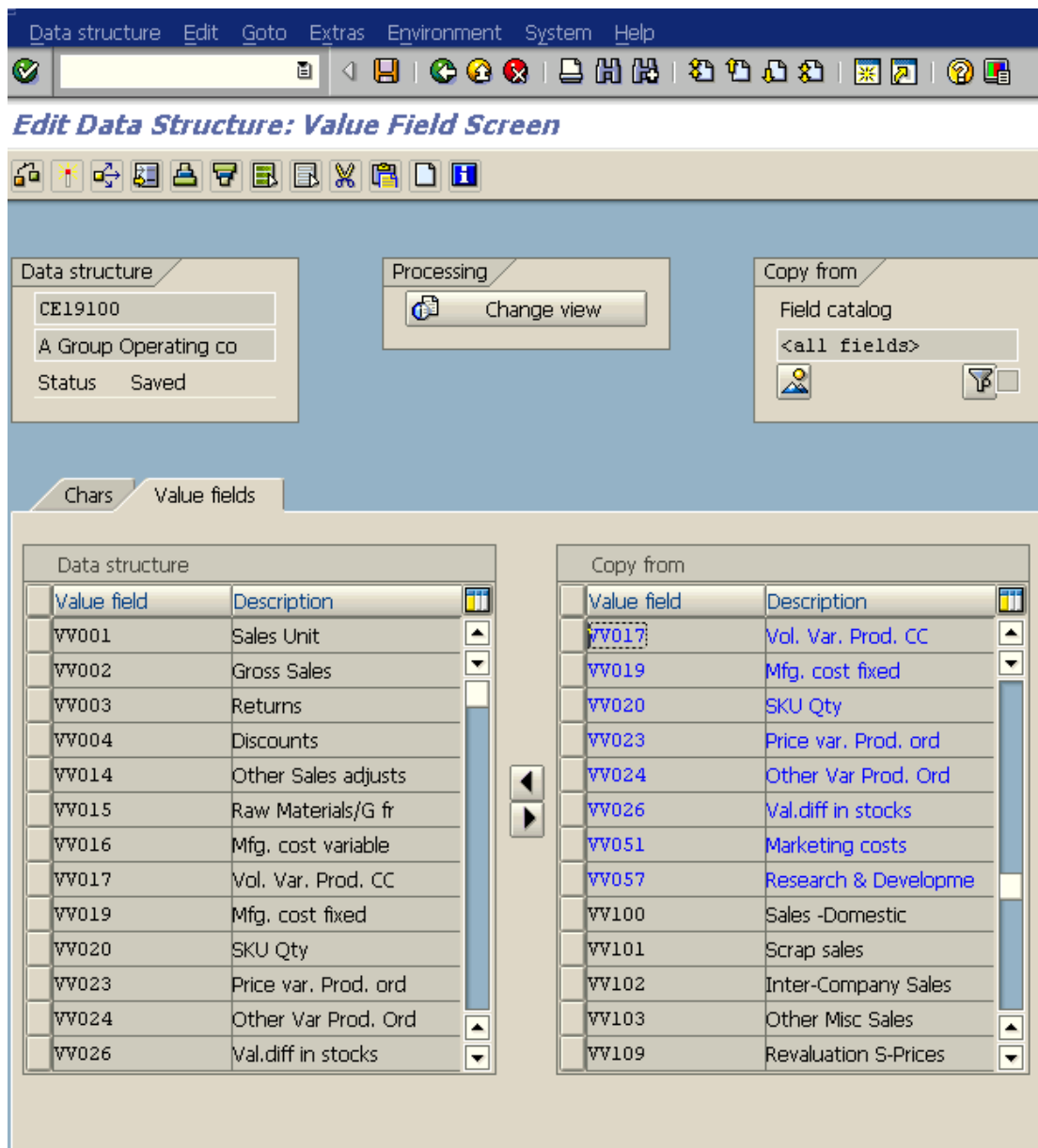
Copy from: Field catalog  
<all fields>


Chars Value fields


Value field	Description
VV001	Sales Unit
VV002	Gross Sales
VV003	Returns
VV004	Discounts
VV014	Other Sales adjusts
VV015	Raw Materials/G fr
VV016	Mfg. cost variable
VV017	Vol. Var. Prod. CC
VV019	Mfg. cost fixed
VV020	SKU Qty
VV023	Price var. Prod. ord
VV024	Other Var Prod. Ord

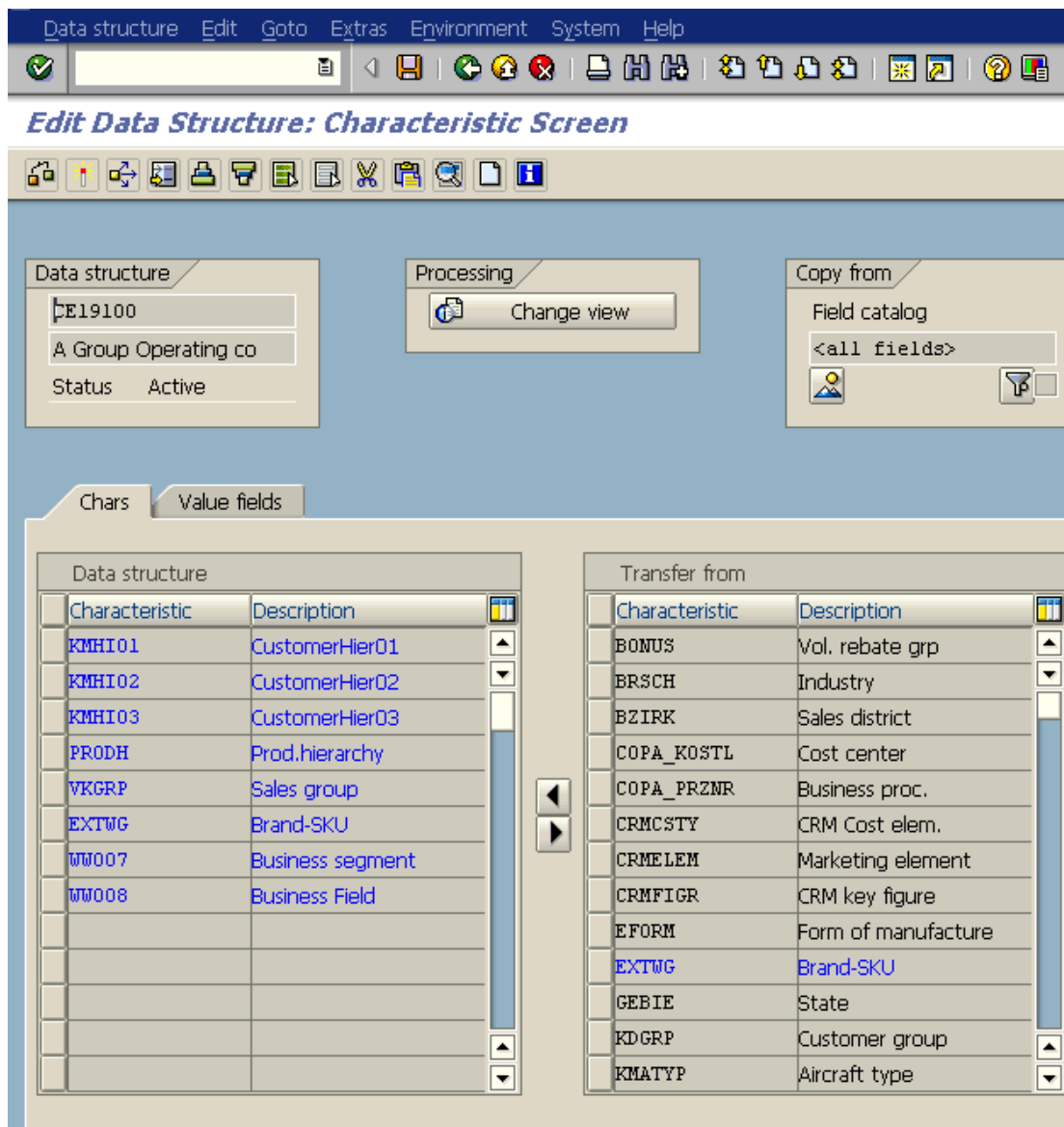
Value field	Description
VV017	Vol. Var. Prod. CC
VV019	Mfg. cost fixed
VV020	SKU Qty
VV023	Price var. Prod. ord
VV024	Other Var Prod. Ord
VV026	Val.diff in stocks
VV051	Marketing costs
VV057	Research & Developme
VV100	Sales -Domestic
VV101	Scrap sales
VV102	Inter-Company Sales
VV103	Other Misc Sales

Click 



Click on 

Click  to activate the data structure

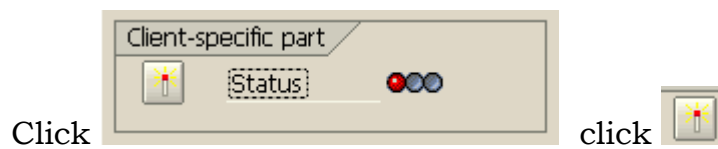
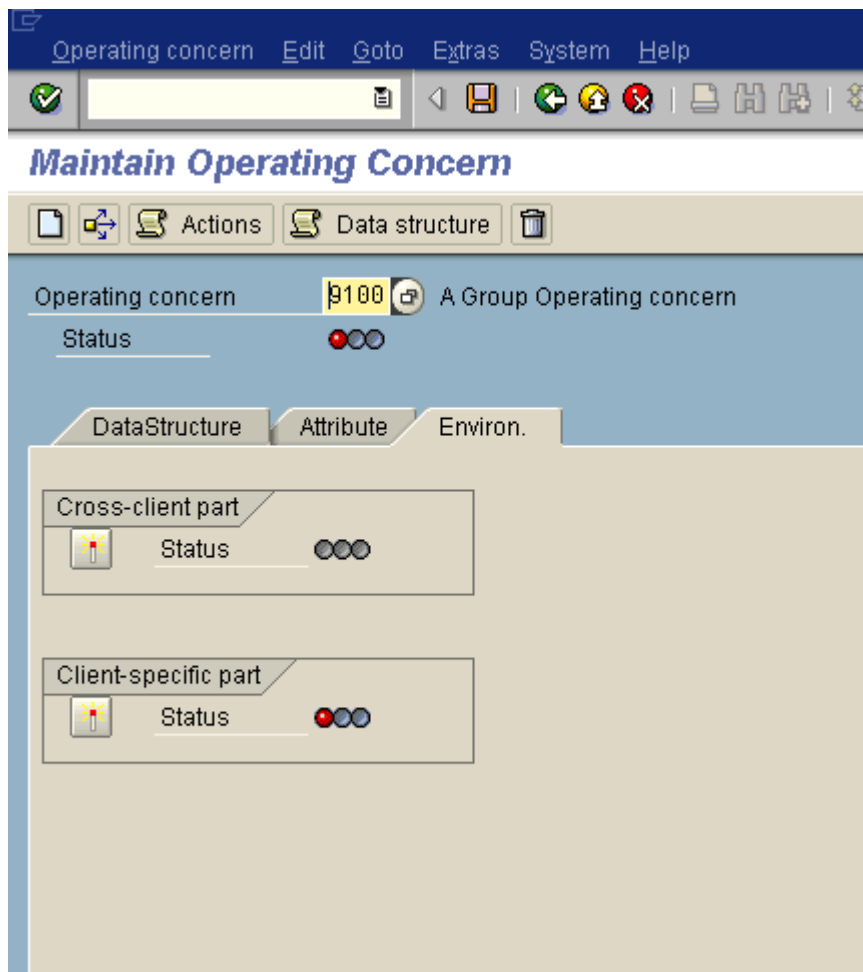


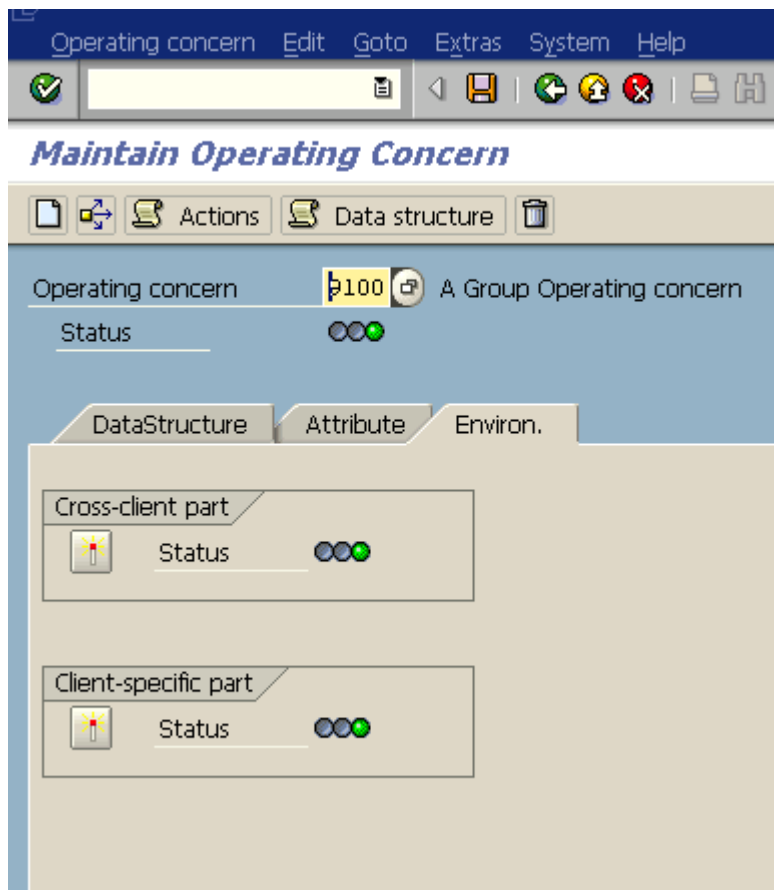
Click Back 

Here you might get a pop up asking 'Whether you want to generate the operating concern now'. You can select **Yes** to generate the operating concern.

In case you do not get any pop up, you can generate the operating concern here.

Click on 





Remember both the Cross client part and client specific part should show green indicator, which indicator the operating concern environment has been generated successfully.

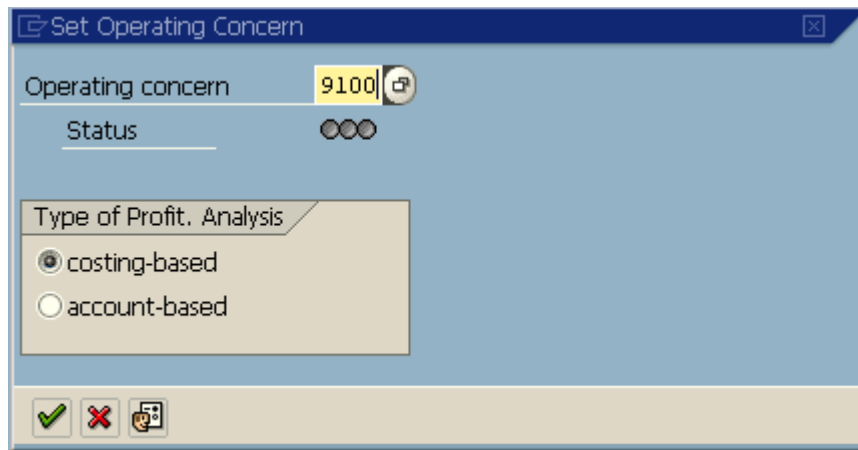
## 1.4 Set Operating Concern (KEBC)

IMG → Controlling → Profitability Analysis → Structures → Set Operating Concern

Here you select the operating concern 9100. All functions that you then execute thereafter and until you logoff will relate to that type of profitability analysis for the specified operating concern. You can click on the save button to store the operating concern 9100 in your user master.

From the SAP application side you can call this through transaction code KEBC.



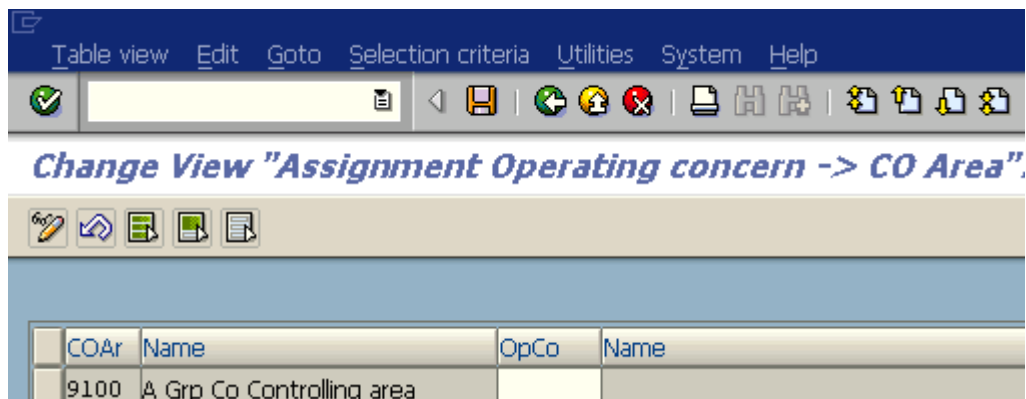


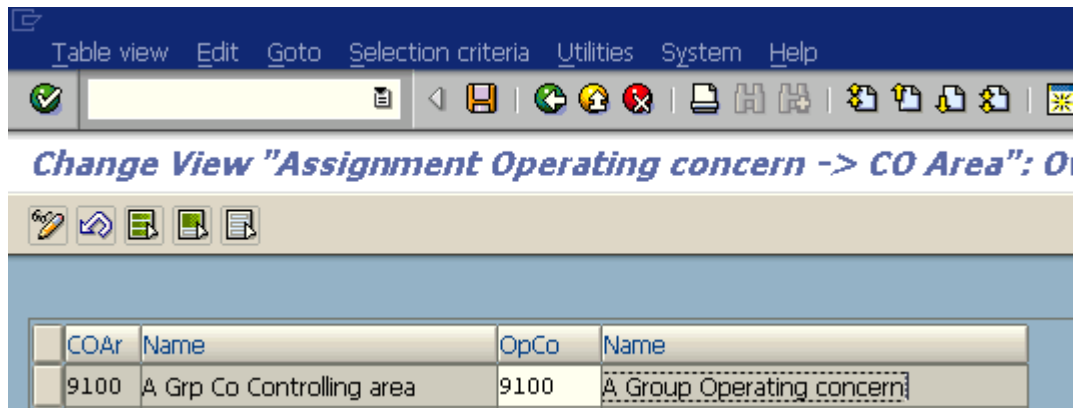
## 1.5 Assign controlling area to operating concern

IMG → Enterprise Structure → Assignment → Controlling → Assign controlling area to operating concern

We assign the controlling are 9100 to operating concern 9100.

=> **Customizing request generated here**





Click on 

## 1.6 Define Profitability Segment Characteristics (Segment -Lvl Characteristics)

IMG → Controlling → Profitability Analysis → Structures → Define Profitability Segment Characteristics (Segment-Lvl Characteristics)

It is advisable for performance reasons to keep to a minimum the number of profitability segments and therefore summary records required in CO-PA. This can be controlled through the selection of segment-level and non-segment-level characteristics.

It is possible to configure the system so that certain characteristics are not used in defining profitability segments. The impact of this is that the values for these non-segment-level characteristics will appear on CO-PA line items, but will not be available for reporting with the CO-PA drill-down reporting tool.

For example, it is desirable to have the originating sales order number on each CO-PA line item (CE1) which originated in SD, but it is not desirable to also have a new summary record in CO-PA (CE3) for each new sales order (this would create as many summary records as line items).

Thus, when we create a new operating concern, the relevant table is automatically set so that the following characteristics are not used to form the profitability segments:

- - sales order (KAUFN)
- - sales order item (KDPOS)
- - order (RKAUFNR)
- - WBS element (PSPNR)
- - cost object (KSTRG)

=> **Customizing request generated here**

Table view Edit Goto Choose Utilities Extras System Help

Change View "Profitability Segment Characteristics": Overview

Operating concern 9100 A Group Operating concern

Profitability Segment Characteristics

Char.	Description	Not Used	Costing-Based	Costing-/Acct...	Exceptio...
FKART	Billing type	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KAUFN	Sales order	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KDPOS	Sales ord. item	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KSTRG	Cost object	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PPRCTR	Partner pr.ctr	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PSPNR	WBS element	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
RKAUFNR	Order	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ARTNR	Product	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
KMDNR	Customer	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
BUKRS	Company Code	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
EXTWG	Brand-SKU	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
GSBER	Business area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
KMHI01	CustomerHier01	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
KMHI02	CustomerHier02	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	

Make **EXTWG** as costing based

Table view Edit Goto Choose Utilities Extras System Help

Change View "Profitability Segment Characteristics": Overview

Operating concern 9100 A Group Operating concern

Profitability Segment Characteristics

Char.	Description	Not Used	Costing-Based	Costing-/Acct...	Exceptio...
FKART	Billing type	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KAUFN	Sales order	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KDPOS	Sales ord. item	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
KSTRG	Cost object	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PPRCTR	Partner pr.ctr	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
PSPNR	WBS element	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
RKAUFNR	Order	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
ARTNR	Product	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	→
KMDNR	Customer	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	→
BUKRS	Company Code	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
EXTWG	Brand-SKU	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	→
GSBER	Business area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
KMHI01	CustomerHier01	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	→
KMHI02	CustomerHier02	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	→

Position... Entry 1 of 25

Similarly make other fields such as business segment and business field as costing based

Table view Edit Goto Choose Utilities Extras System Help

Change View "Profitability Segment Characteristics": Overview

Operating concern 9100 A Group Operating concern

Profitability Segment Characteristics

Char.	Description	Not Used	Costing-Based	Costing-/Acct...	Exceptio...
KMHI03	CustomerHier03	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
KOKRS	CO area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
PRCTR	Profit center	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
PRODH	Prod.hierarchy	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
SPART	Division	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
VKGRP	Sales group	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
VKORG	Sales org.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
VTWEG	Distr. channel	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
WERKS	Plant	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
WW007	Business segmen	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
WW008	Business Field	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	

Position... Entry 15 of 25

Click on **Save**

## 1.7 Copy Operating Concern including Customizing

IMG → Controlling → Profitability Analysis → Structures → Define operating concern → Maintain Value Fields

This configuration is important when you want to copy customizing settings from an existing operating concern to a new operating concern. This is very useful when you are doing rollouts for the same group. This is required where the design implemented is separate controlling area and separate operating concern for each company

code. You can copy settings from an existing operating concern and make changes required for the new operating concern.

Here you specify the source operating concern and the target operating concerns. You can choose whether you want to copy data structures only, customizing settings only or both.

These are copied in separate steps:-

- 1) You need to copy the data structures first. In case you want to make some changes to the new operating concern after copying, you should generate the environment. You must enter a target operating concern name that does not yet exist.
- 2) You can then copy the customizing settings.

The screenshot shows the SAP R/3 'Copy operating concern' dialog box. The title bar includes 'Operating concern', 'Edit', 'Goto', 'System', and 'Help'. The main window has a 'Copy' button and three tabs: 'Import operating concern', 'Copy operating concern' (which is active), and 'Copy specific objects'. The 'Copy operating concern' tab contains the following fields and options:

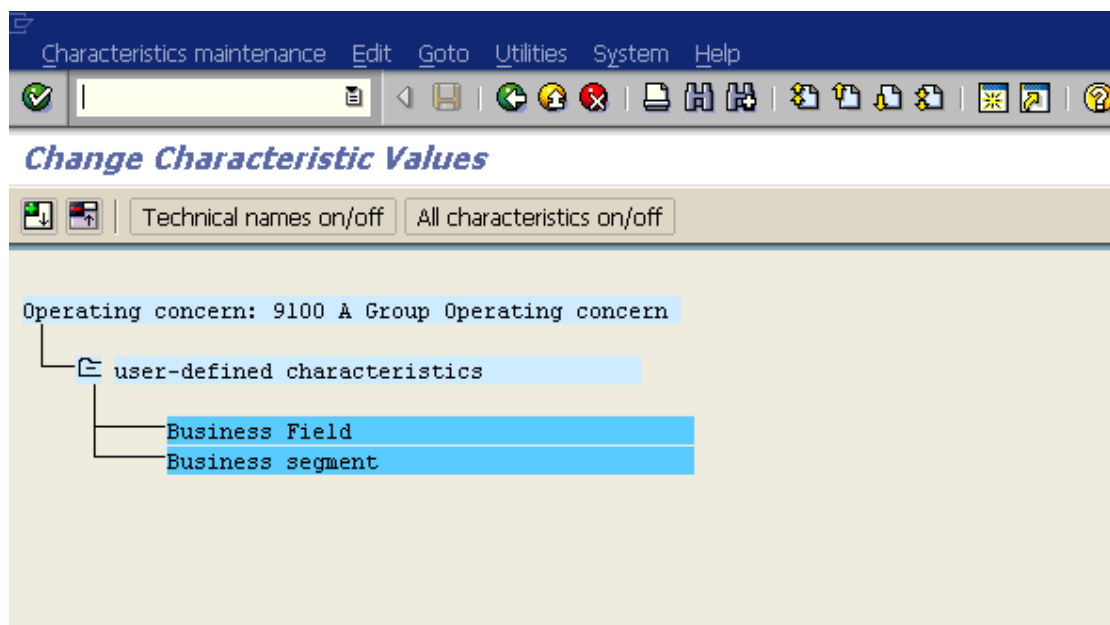
- Copy from:**
  - Source operating concern: A text field with a yellow background and a magnifying glass icon.
  - Source client: A dropdown menu showing '009'.
- Copy to:**
  - Target operating concern: A text field with a checkmark icon.
  - Target client: A dropdown menu showing '009'.
- Copy Data Structures:**
  - ☐ Data structures
  - ☐ Generate environment (cross-client)
- Copy Customizing:**
  - ☐ Customizing
  - ☒ Test mode

## 2. Master Data

### 2.1 Maintain Characteristics values

IMG → Controlling → Profitability Analysis → Master Data → Characteristic Values → Maintain Characteristic Values

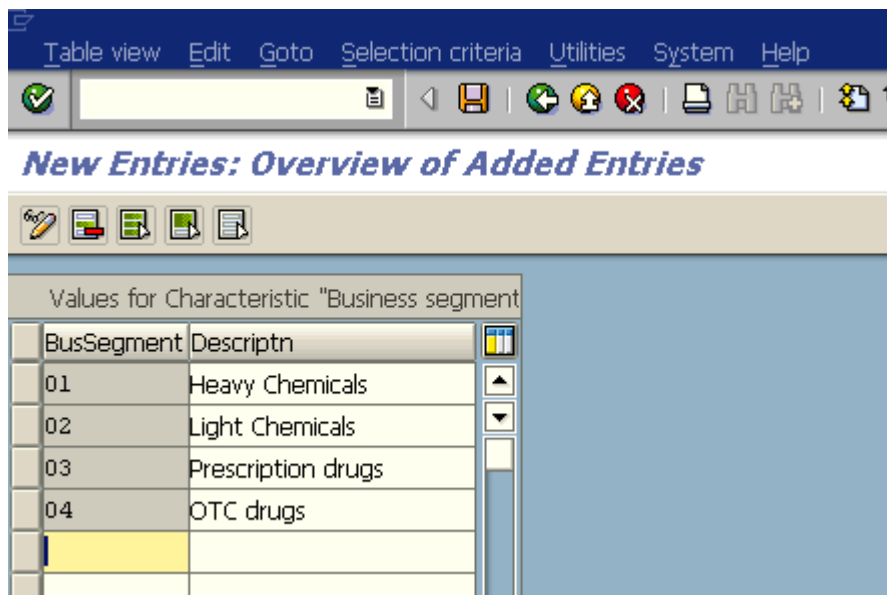
Here we maintain the values for the user defined characteristics.



**Double click** **Business segment**

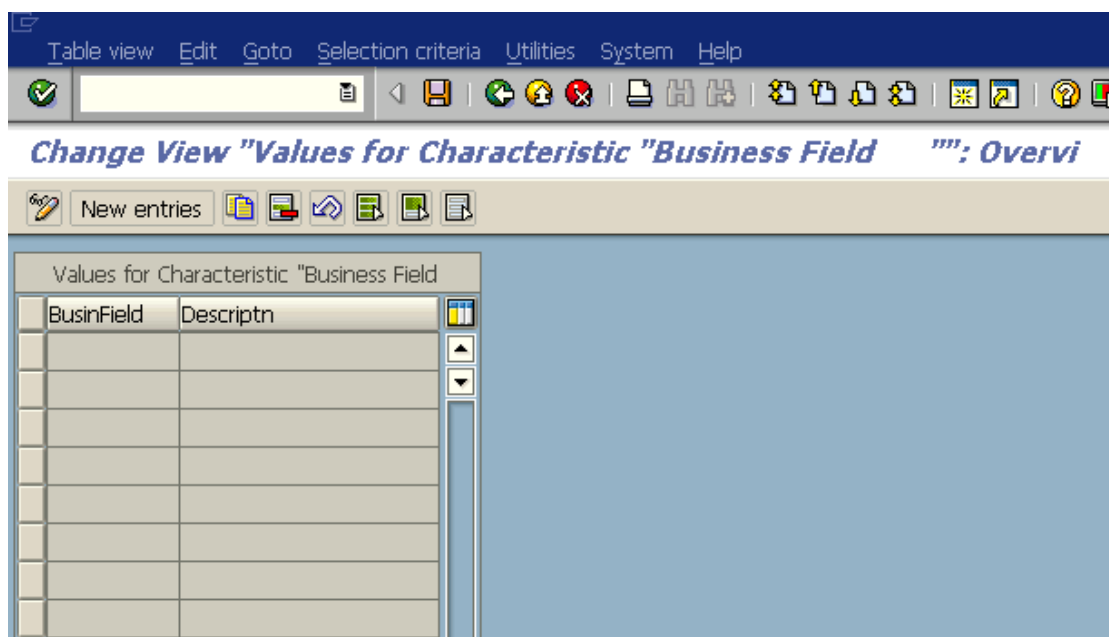
**Click on** **New entries**

**Update the following:-**



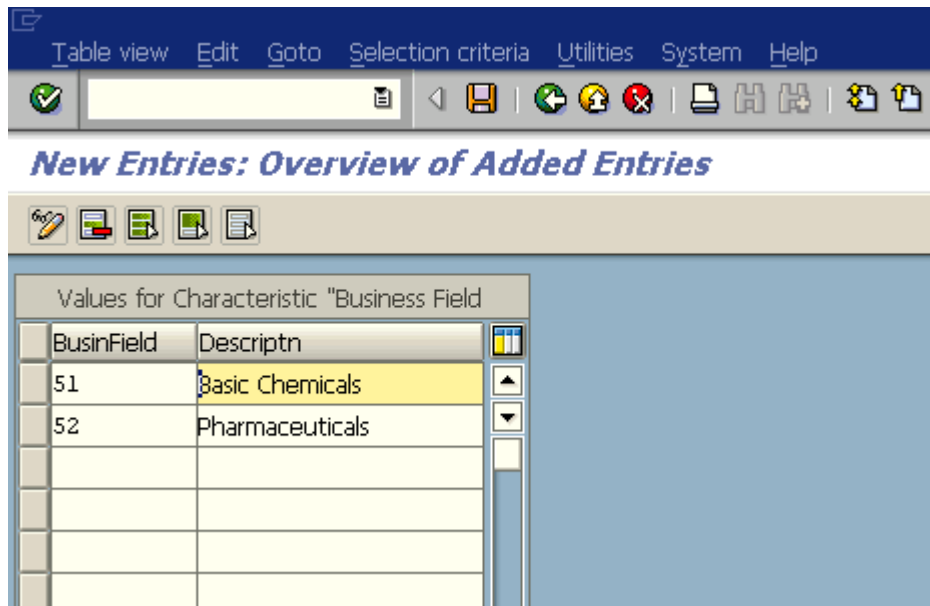
Click on **Save** 

**Double click** **Business Field**



**Click on** **New entries**





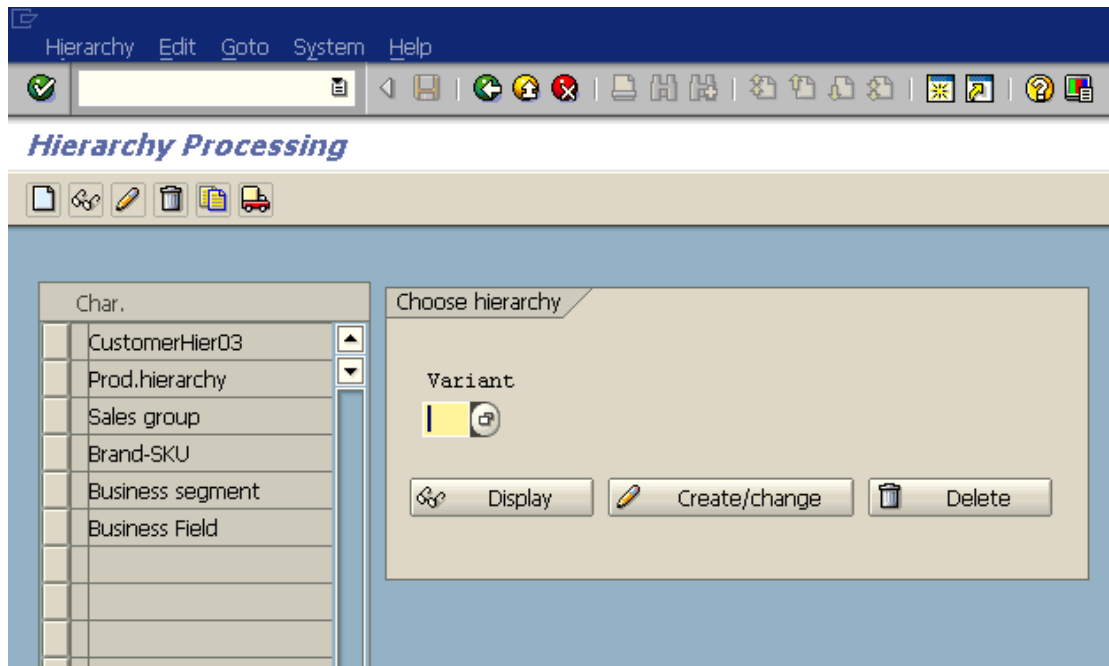
Click on 

## 2.2 Define Characteristics Hierarchies

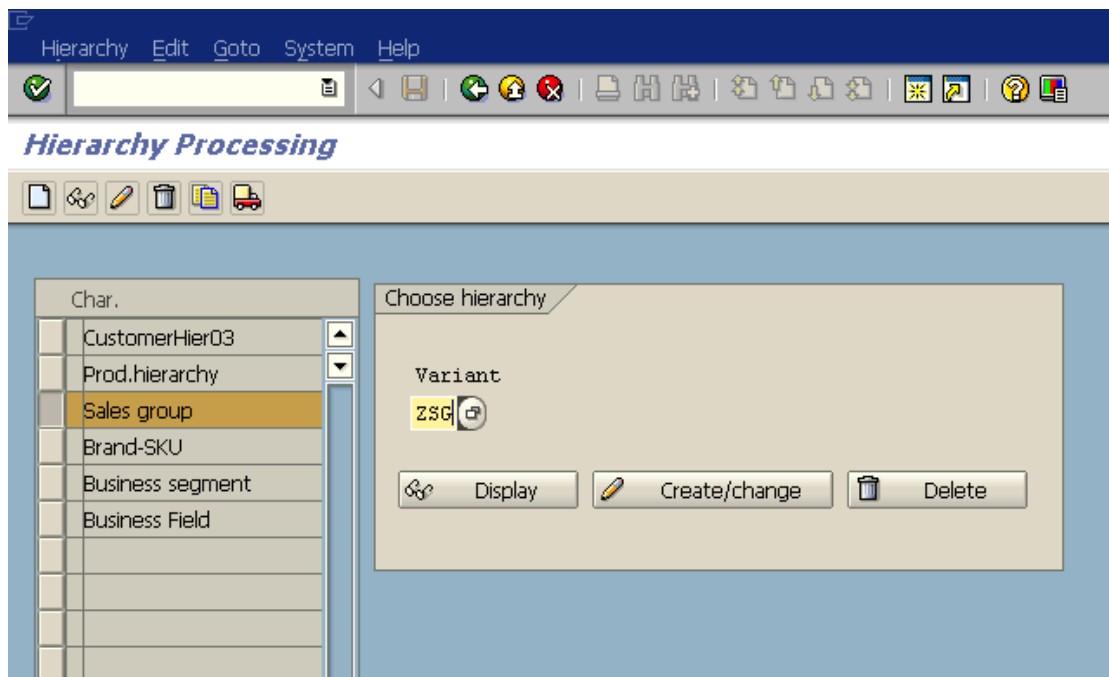
IMG → Controlling → Profitability Analysis → Master Data → Characteristic Values → Define Characteristics Hierarchies


You can define hierarchical structures for characteristics in Profitability Analysis (CO-PA) and analyze these structures in the information system. You can for example structure your products or customers in a hierarchy.

In our scenario we will create a hierarchy of sales group into sales offices. We are combining sales groups into sales offices. This hierarchy can be used in the reports for analysis purpose.



**Select Sales group and update the following:-**

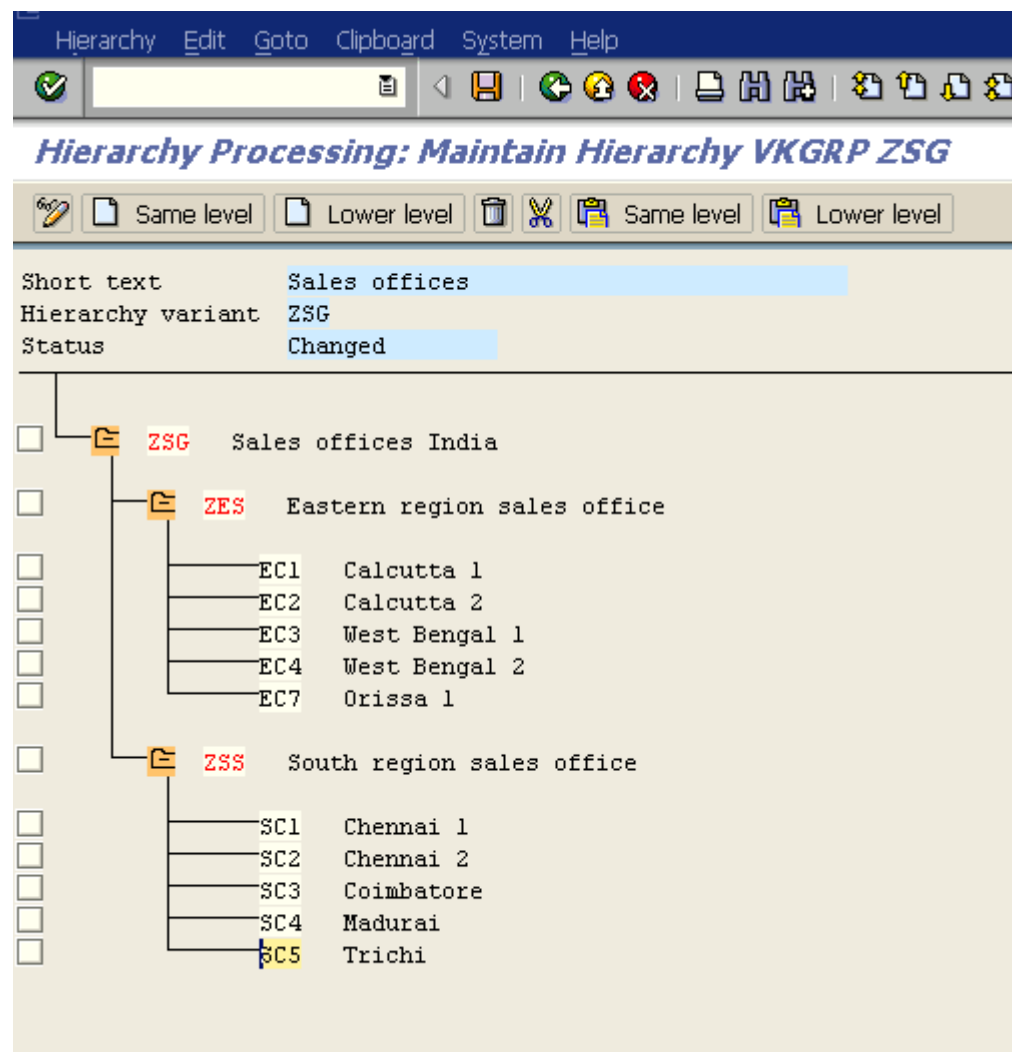


**Click**  Create/change

**Update the following:-**



Take a drop down by pressing F4 button in each of the field.



Click on 

## 2.3 Define Characteristic Derivation

IMG → Controlling → Profitability Analysis → Master Data → Define Characteristic Derivation

Here you set up the derivation of characteristic values. Derivation lets us find values for certain characteristics automatically based on the known values of other characteristics, where these characteristics are logically dependent on one another.

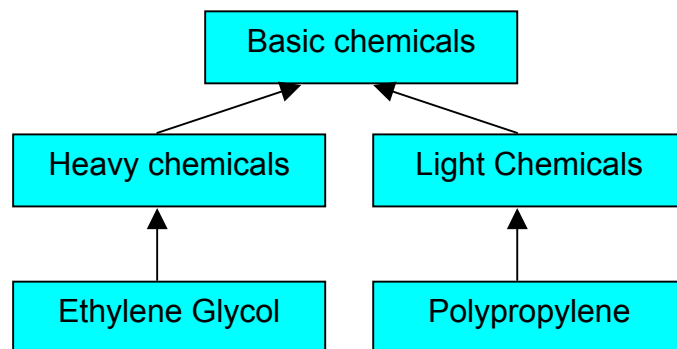
In our scenario we have to make the following derivation strategy.

The structure of the product lines A grp is as follows:-

Business Field

Business Segment

Strategic business unit



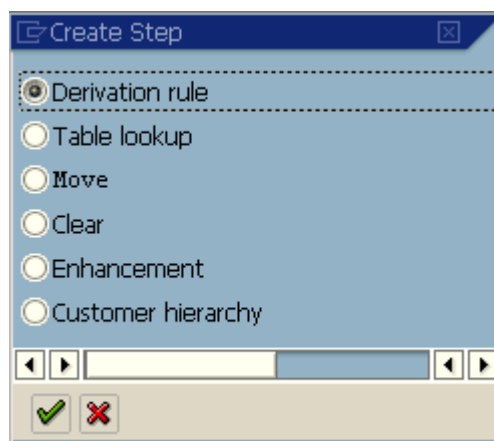
**Thus strategic business unit (SBU) is the lowest level node in the product line structure. The SBU is again a grouping of all similar products. In our scenario the SBU is represented by the field EXTWG (Brand-SKU). This field is available in the basic view of the material master. All the finished products will have in the basic data view updated with the relevant SBU code.**

**We define a derivation rule to derive the Business segment from the SBU. We further define a derivation rule to derive Business field from the Business segment. Thus Profitability reports can be seen at the SBU level, Business segment level and the Business field level.**

Click 

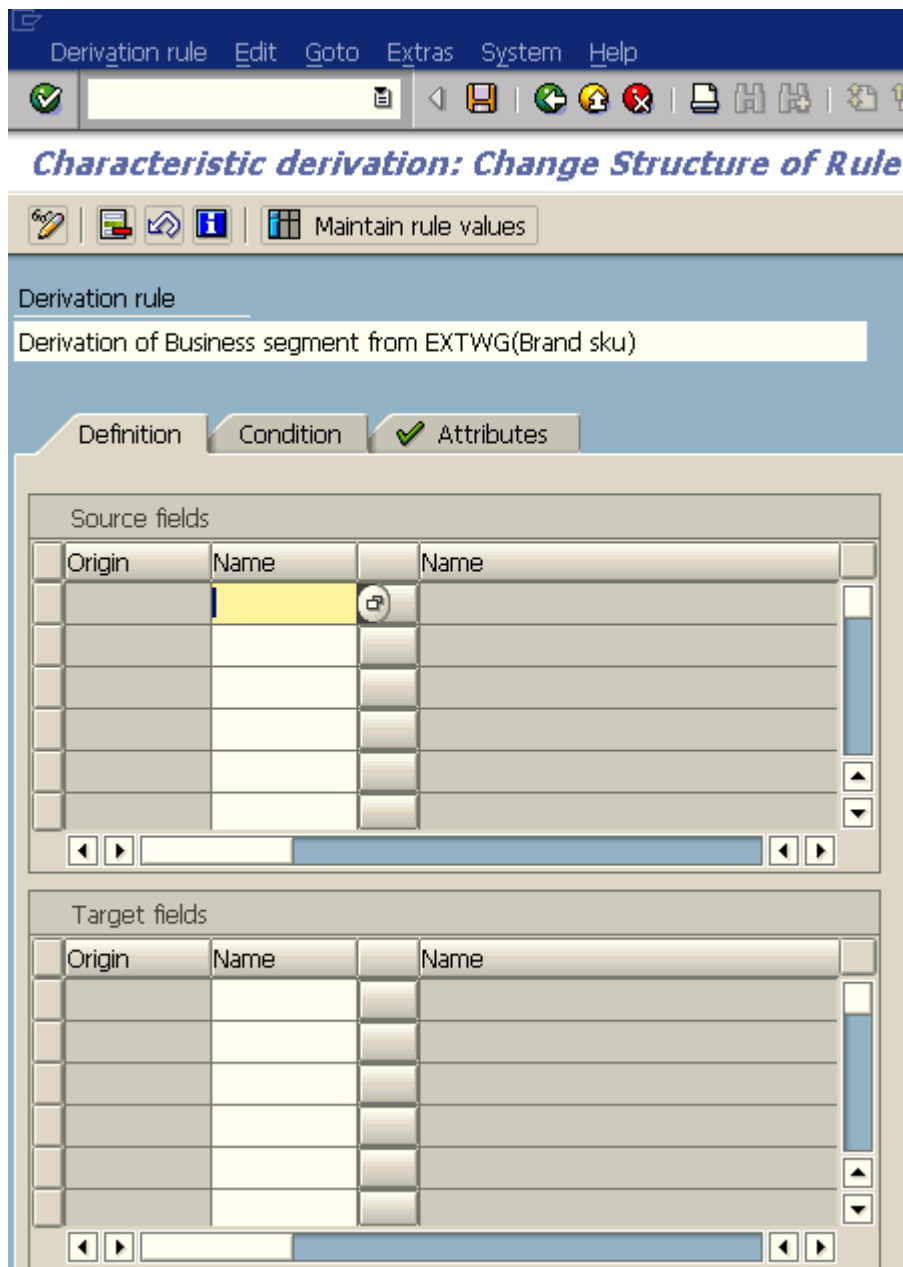
Click 

**Select Derivation rule**




Click 

Update the following:-



Derivation rule

Derivation of Business segment from EXTWG(Brand sku)

Definition Condition  Attributes

Source fields

Origin	Name	Name

Target fields

Origin	Name	Name

Take a drop down in field **Name**

## Select

Restrict value range (1) 46 Entries found		
Restrictions		
Origin	Field name	Short text
CO-PA	ARTNR	Product number
CO-PA	BUKRS	Company Code
CO-PA	EXTWG	Brand-SKU
CO-PA	FKART	Billing type
CO-PA	GSBER	Business Area
CO-PA	KAUFN	Sales Order Number
CO-PA	KDPOS	Item number in Sales Order
CO-PA	KMHIO1	Customer hierarchy Level 1
CO-PA	KMHIO2	Customer hierarchy Level 2
CO-PA	KMHIO3	Customer hierarchy Level 3
CO-PA	KNDNR	Customer
CO-PA	KOKRS	Controlling Area
CO-PA	KSTAR	Cost element
CO-PA	KSTRG	Cost Object
CO-PA	PPRCTR	Partner profit center
CO-PA	PRCTR	Profit center
CO-PA	PRODH	Product hierarchy
CO-PA	PRZNR	Sender Business Process
CO-PA	PSPNR	Work breakdown structure element (WBS element)
CO-PA	RKAUFNR	Order Number
CO-PA	SKOST	Sender cost center
CO-PA	SDART	Division

Derivation rule Edit Goto Extras System Help

Characteristic derivation: Change Structure of Rule L

Derivation rule

Derivation of Business segment from EXTWG(Brand sku)

Definition Condition Attributes

Source fields

Origin	Name		Name
CO-PA	EXTWG		Brand-SKU

Target fields

Origin	Name		Name

**Take a drop down in name**



Restrict value range (1) 28 Entries found		
Restrictions		
Origin	Field name	Short text
CO-PA	ARTNR	Product number
CO-PA	EXTWG	Brand-SKU
CO-PA	GSBER	Business Area
CO-PA	KMHIO1	Customer hierarchy Level 1
CO-PA	KMHIO2	Customer hierarchy Level 2
CO-PA	KMHIO3	Customer hierarchy Level 3
CO-PA	KNDNR	Customer
CO-PA	PPRCTR	Partner profit center
CO-PA	PRCTR	Profit center
CO-PA	PRODH	Product hierarchy
CO-PA	SPART	Division
CO-PA	VKGRP	Sales group
CO-PA	VKORG	Sales organization
CO-PA	VTWEG	Distribution channel
CO-PA	VV001_ME	Base unit of measure
CO-PA	VV020_ME	Base unit of measure
CO-PA	WERKS	Plant
CO-PA	WW007	Business segment
CO-PA	WW008	Business Field
GLOBAL	CUOBJ	Configuration
GLOBAL	USERTEMP1	Temporary field 1 (user-defined)
GLOBAL	USERTEMP2	Temporary field 2 (user-defined)
28 Entries found		

✓ | [Icon] | [Icon] | [Icon] | [Icon] | [Icon] | [Icon] | [Icon] | [Icon] | [Icon] | [Icon]

**Characteristic derivation: Change Structure of Rule D**

[Icon] [Icon] [Icon] [Icon] [Icon] Maintain rule values

Derivation rule

Derivation of Business segment from EXTWG(Brand sku)

Definition Condition **Attributes**

Source fields

Origin	Name		Name
CO-PA	EXTWG	[Icon]	Brand-SKU

Target fields

Origin	Name		Name
CO-PA	WW007	[Icon]	Business segment

Derivation rule Edit Goto Extras System Help

Characteristic derivation: Change Structure of Rule Definition

Derivation rule

Derivation of Business segment from EXTWG(Brand sku)

Definition Condition Attributes

Only execute if all conditions below are met

Origin	Name	Description	Op.	Value	Description

Derivation rule Edit Goto Extras System Help

Characteristic derivation: Change Structure of

Derivation rule

Derivation of Business segment from EXTWG(Brand sku)

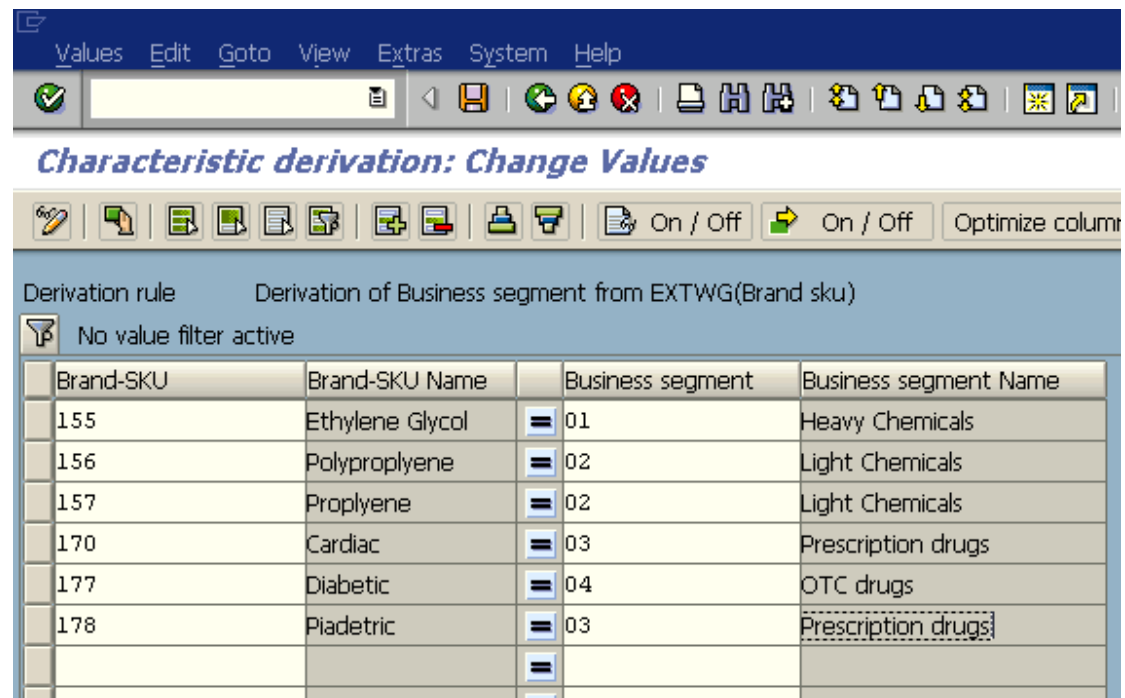
Definition Condition Attributes

☒ Issue error message if no value found  
☐ Maintain entries using validity date  
☐ Optimize access, no from-to values can then be maintained  
 User-defined step ID (optional, see F1 help)

Click on 

Click on  Maintain rule values

Update the following:-



The screenshot shows the 'Characteristic derivation: Change Values' dialog in SAP. The title bar includes menus: Values, Edit, Goto, View, Extras, System, Help. Below the menu is a toolbar with various icons. The main area shows the derivation rule 'Derivation of Business segment from EXTWG(Brand sku)' and a filter 'No value filter active'. A table lists the derivation data:

Brand-SKU	Brand-SKU Name	Business segment	Business segment Name
155	Ethylene Glycol	= 01	Heavy Chemicals
156	Polypropylene	= 02	Light Chemicals
157	Propylene	= 02	Light Chemicals
170	Cardiac	= 03	Prescription drugs
177	Diabetic	= 04	OTC drugs
178	Piadetric	= 03	Prescription drugs
		=	

Click 

The field Brand SKU is found in the basic field of the material master MARA which can be seen below. The drop down values for the field Brand-SKU is maintained by Logistics general.

Material Edit Goto Environment System Help

**Change Material MOS0010010F000 (Comp A: Finished Product)**

Display errors Additional data Organizational levels Check screen data

Basic data 1 Basic data 2 Classification Sales: sales org. 1 Sales: sales or...

Material MOS0010010F000 Ethylene Glycol

General data

Base unit of measure	kg	each	Material group	15000
Old material number			Brand-SKU	155
Division	40		Lab./office	
Product allocation			Prod.hierarchy	
X-plant matl status			Valid from	
<input type="checkbox"/> Assign effect. vals			GenItemCatGroup	NORM Standard item

Click  to create further derivation rule

Create Step

☒ Derivation rule

☐ Table lookup

☐ Move

☐ Clear

☐ Enhancement

☐ Customer hierarchy

☒ ☐

Derivation rule Edit Goto Extras System Help

✓ [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon] [icon]

### Characteristic derivation: Change Structure of Rule

[icon] [icon] [icon] [icon] [icon] Maintain rule values

Derivation rule

Derivation of Business field from Business Segment

Definition Condition **Attributes**

Source fields			
Origin	Name		Name
CO-PA	WW007		Business segment

[icon] [icon] [icon] [icon]

Target fields			
Origin	Name		Name
CO-PA	WW008		Business Field

Click 

Click  Maintain rule values

Values Edit Goto View Extras System Help

**Characteristic derivation: Change Values**

Derivation rule Derivation of Business field from Business Segment

No value filter active

Business segment	Business segment Name	Business Field	Business Field Name
01	Heavy Chemicals	= 51	Basic Chemicals
02	Light Chemicals	= 51	Basic Chemicals
03	Prescription drugs	= 52	Pharmaceuticals
04	OTC drugs	= 52	Pharmaceuticals
		=	

Click on 

Click  to maintain another derivation rule

Create Step

☒ Derivation rule





☐ Table lookup



☐ Move

☐ Clear

☐ Enhancement

☐ Customer hierarchy

Derivation rule Edit Goto Extras System Help

Characteristic derivation: Change Structure of Rule

Derivation rule

Derivation of Business segment from profit center

Definition Condition Attributes

Source fields

Origin	Name		Name
CO-PA	PRCTR		Profit center
CO-PA	KOKRS		Controlling Area

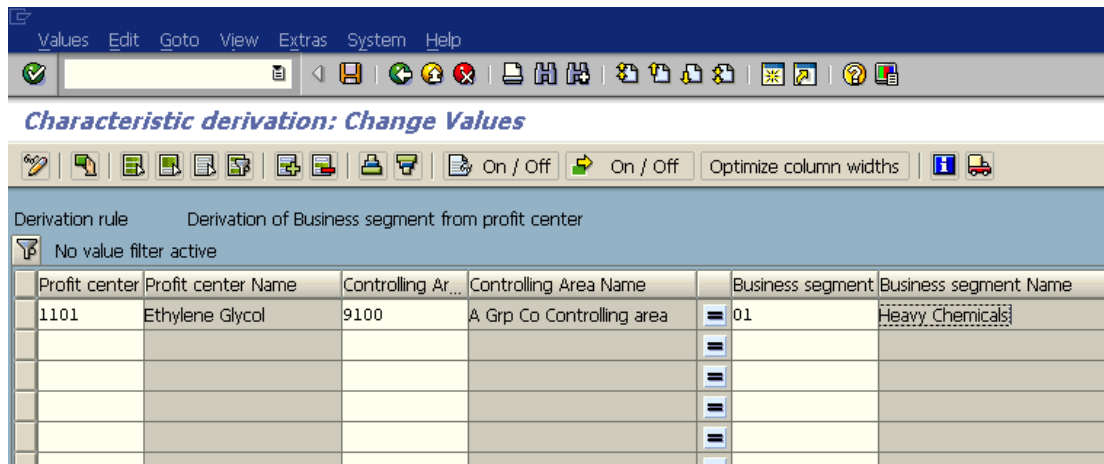
Target fields

Origin	Name		Name
CO-PA	WW007		Business segment

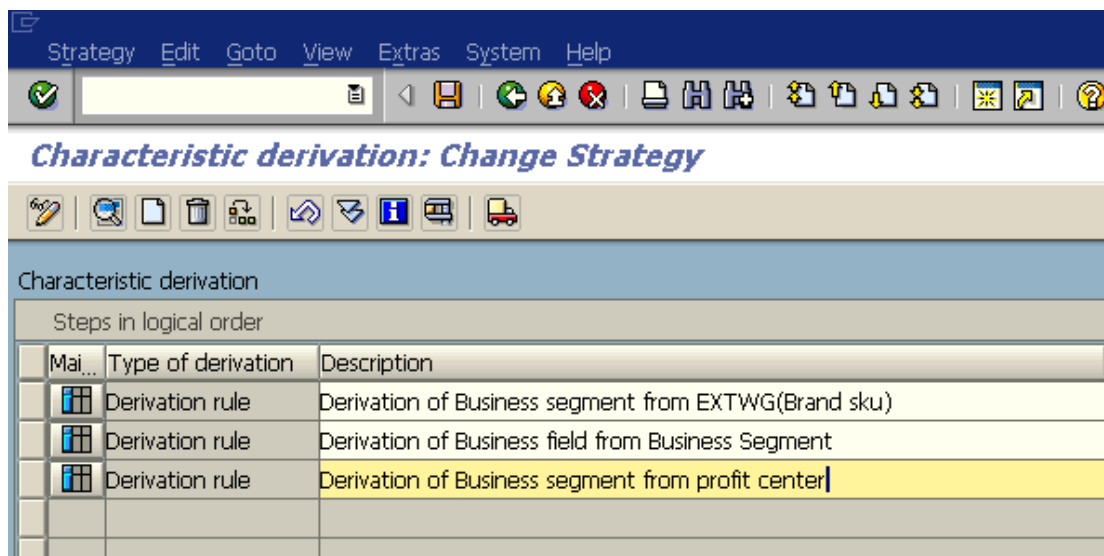
Click on

Click on Maintain rule values



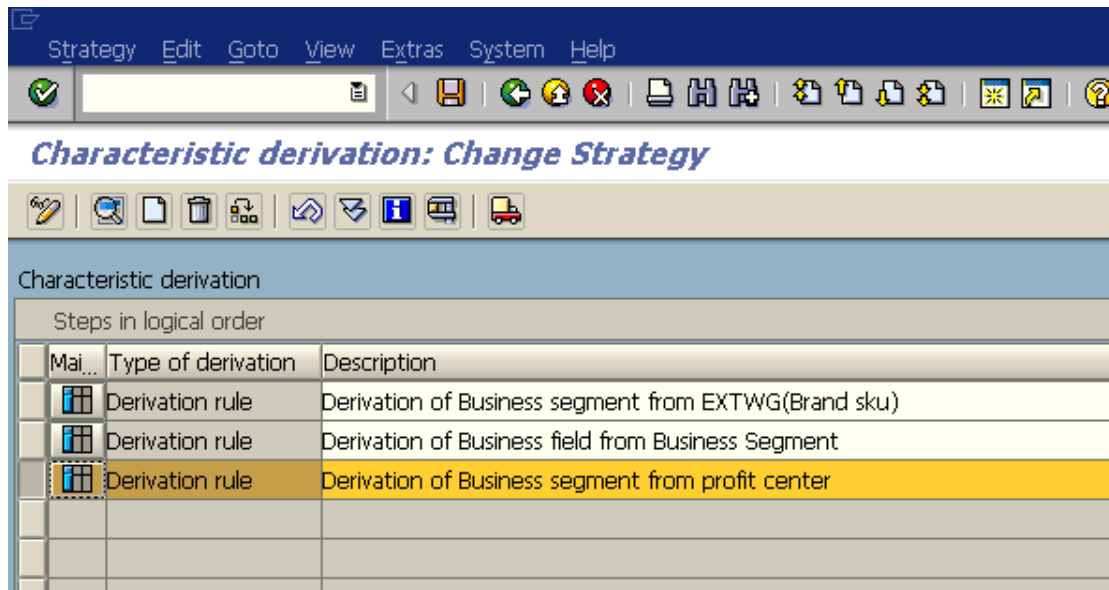


Click on 



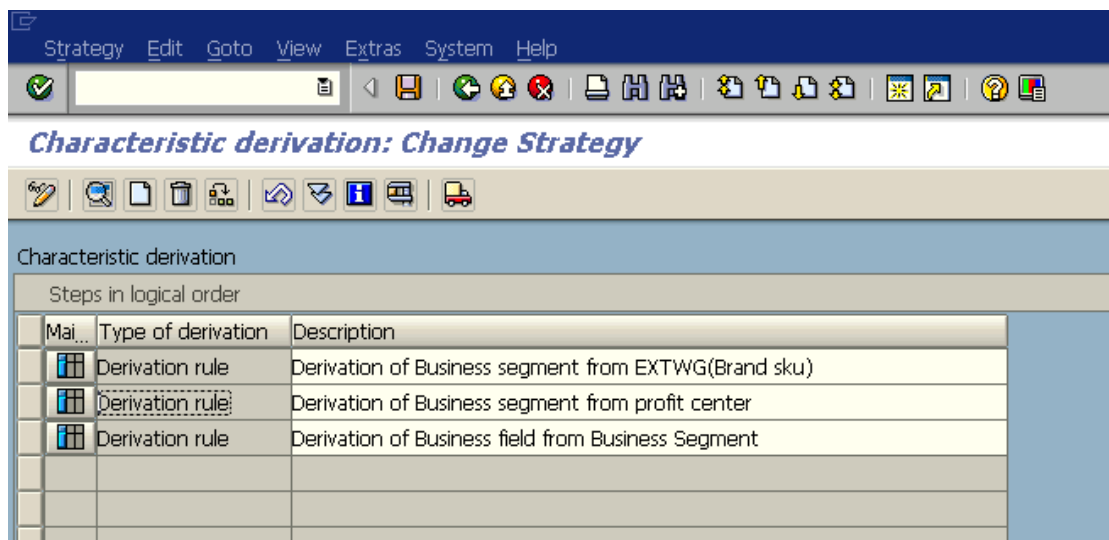
**We need to move the 3 rd rule as the second rule. The reason being in case an entry is posted from the FI module there will be no material code consequently no EXTWG. In this case the user will enter profit center and business segment then can be derived from profit center.**

**Select the line**



**Then position the cursor on the line above derivation rule 'business segment from profit center'**

**Click you will find the derivation rule for profit center has now shifted and become the second rule.**



**You can check the derivation rule by clicking Test**

**Transport button is used to transport derivation strategy.**

## 2.4 Define and Assign Valuation Strategy

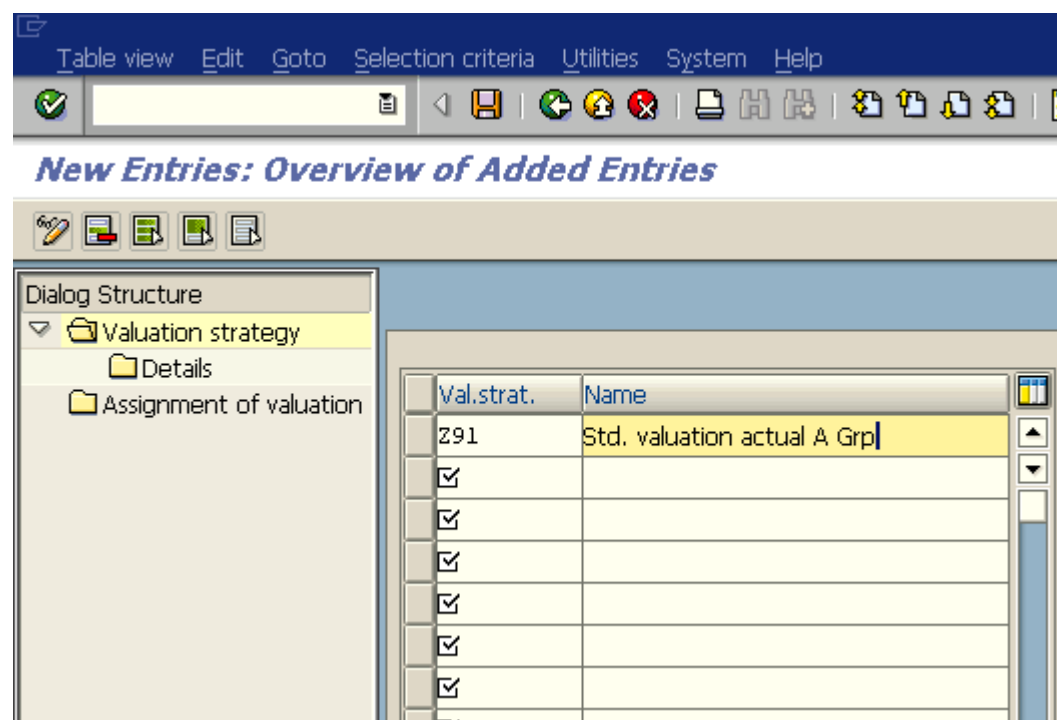
IMG → Controlling → Profitability Analysis → Master Data → Valuation → Valuation Strategies → Define and Assign Valuation Strategy

=> **Customizing request generated here**

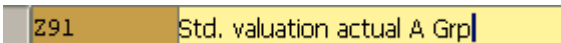
Here we define valuation strategies and assign them to a point of valuation. Since we want to use the material cost estimate for valuation, we will check the material costing field and specify the quantity field.

Click 

**Update the following:-**



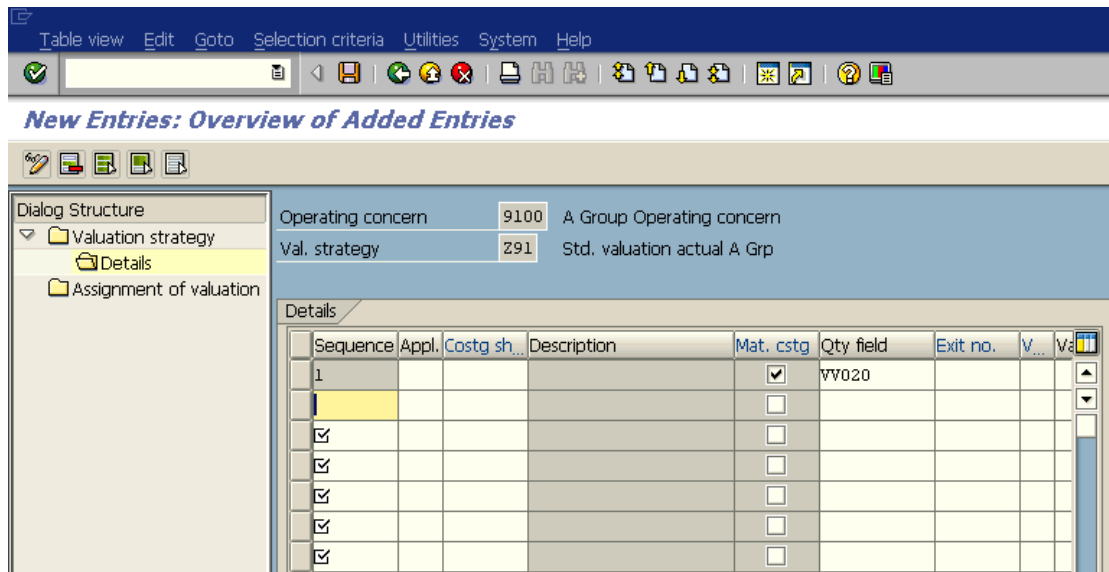
Click **Save** 

**Select** 

Double click 

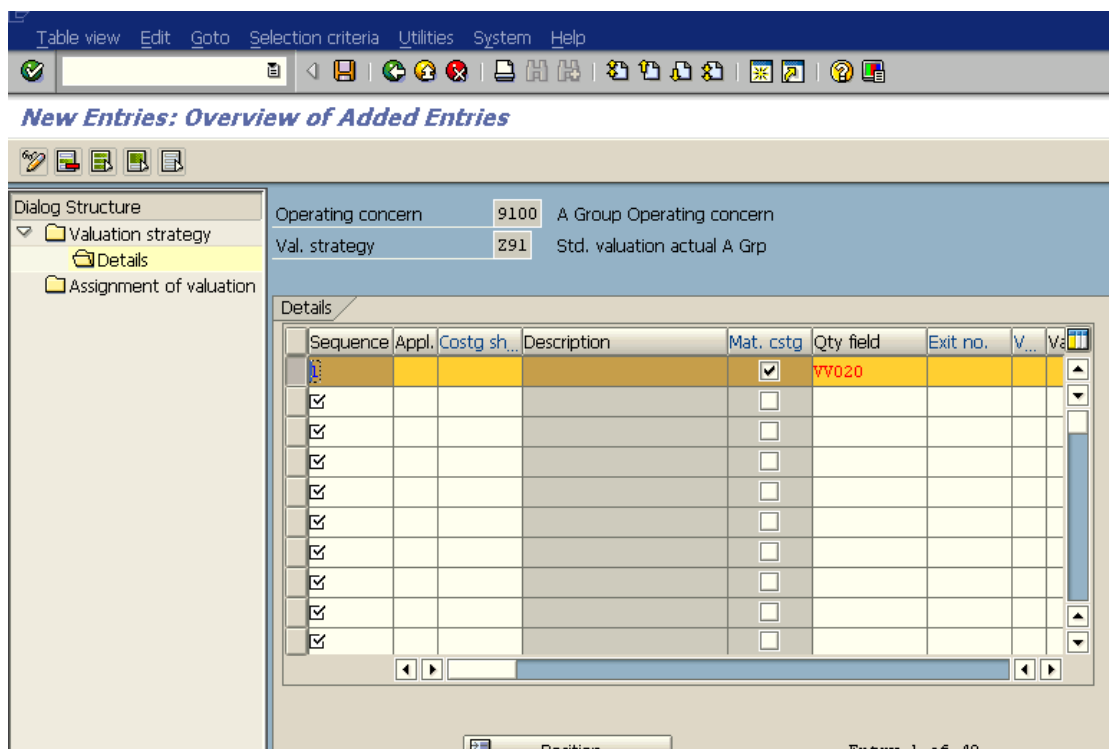
Click 


**Update the following:-**



Click 

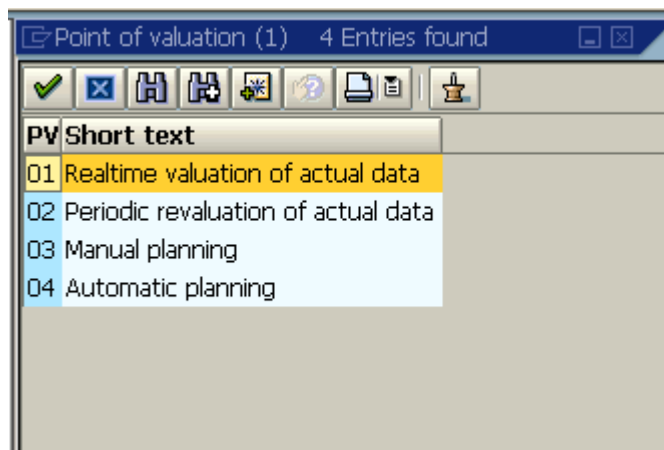
Select the following:-



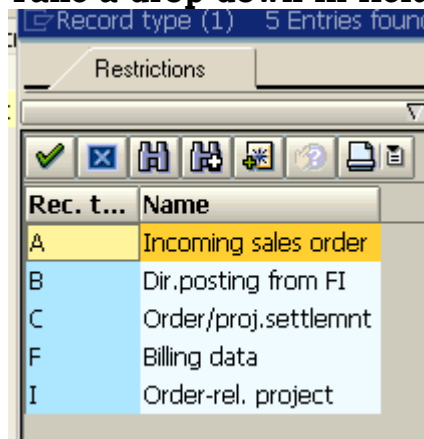
Double click  Assignment of valuation

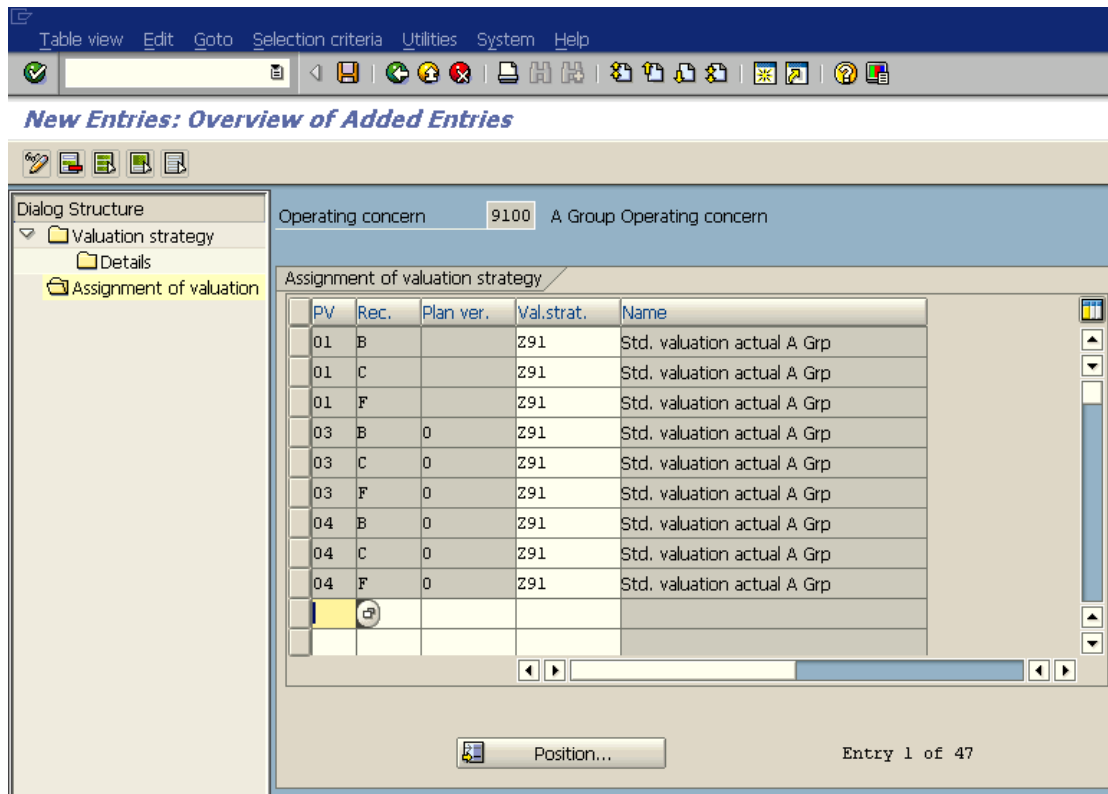
Click on 

### Take a drop down in field PV



### Take a drop down in field Rec.





## 2.5 Define Keys for Accessing Material Cost Estimates

IMG → Controlling → Profitability Analysis → Master Data → Valuation → Set Up Valuation Using Material Cost Estimates → Define Keys for Accessing Material Cost Estimates

=> **Customizing request generated here**













Product Cost Planning is used to determine the planned cost of goods manufactured for a finished product. In CO-PA, we access these material cost estimate to value data in CO-PA.

Here we define costing keys to determine which cost estimates from Product cost planning should be used to value actual or planning data in CO-PA.





Click on 

**Update the following:-**

Table view Edit Goto Selection criteria Utilities System Help

### New Entries: Details of Added Entries

Costing key

Determine material cost estimate

☒ Transf. standard cost estimate  
☐ Transfer sales order cost estimate

Control data for standard cost estimate

Costing data

Costing variant   
 Costing version   
☒ Period indicator   
☐ Period/year   
☐ Costing date   
☐ Cost estimate is executed without date  
☐ Additive costs

Plant used for reading cost estimate

☒ Use line item plant as cost est. plant  
☐ Specify cost est. plant:

Additional data CO-PC





















☐ Transfer aux. CC split  
☐ Transfer cost estimate in controlling area currency

Click on 





Click on  to create another costing key.

Update the following:-

Table view Edit Goto Selection criteria Utilities System Help

### New Entries: Details of Added Entries

Costing key  Std val legal matching in mat

Determine material cost estimate

☒ Transf. standard cost estimate  
☐ Transfer sales order cost estimate

Control data for standard cost estimate

Costing data


Costing variant   
Costing version   
☒ Period indicator   
☐ Period/year   
☐ Costing date   
☐ Cost estimate is executed without date  
☐ Additive costs

Plant used for reading cost estimate

☒ Use line item plant as cost est. plant  
☐ Specify cost est. plant:

Additional data CO-PC

☐ Transfer aux. CC split  
☐ Transfer cost estimate in controlling area currency

Click on 

Click on

**Update the following:-**



Table view Edit Goto Selection criteria Utilities System Help

**New Entries: Details of Added Entries**

Costing key YP1 Std Valuation Plan

Determine material cost estimate

☒ Transf. standard cost estimate  
☐ Transfer sales order cost estimate

Control data for standard cost estimate

Costing data

Costing variant Z9P1  
Costing version 1  
☒ Period indicator 3 Material cost estimate matching posting date  
☐ Period/year  
☐ Costing date  
☐ Cost estimate is executed without date

☐ Additive costs

Plant used for reading cost estimate

☒ Use line item plant as cost est. plant  
☐ Specify cost est. plant:

Additional data CO-PC

☐ Transfer aux. CC split  
☐ Transfer cost estimate in controlling area currency

Click on 

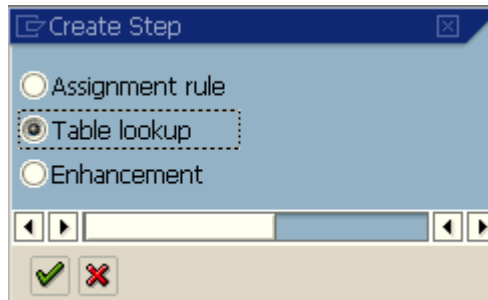
## 2.6 Assign Costing Keys to Any Characteristics

IMG → Controlling → Profitability Analysis → Master Data → Valuation → Set Up Valuation Using Material Cost Estimates → Assign Costing Keys to Any Characteristics

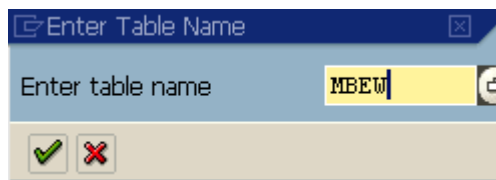
**Click on** 

**Click on** 

**Select Table look up**



**Update the following:-**



**The following will come automatically**

Table lookup   Edit   Goto   Extras   System   Help

Assign costing keys to any characteristics: Change Table Lookup

Table lookup   MBEW Material Valuation

Definition   Attributes

Source fields for table lookup

Origin	Field name	Name		Origin	Field name	Name
MBEW	MATNR	Material number	=	CO-PA	ARTNR	Product number
MBEW	BWKEY	Valuation area	=	GLOBAL	BWFKT	Point of valuation
MBEW	BWTAR	Valuation type	=	GLOBAL	VRGAR	Record type

Assignment of table fields to target fields

Origin	Field name	Name		Origin	Field name	Name
			=			
			=			
			=			
			=			
			=			
			=			
			=			

Take a drop down in the first field **Field name** and select

Restrict value range (1) 103 Entries found		
Restrictions		
Origin	Field na...	Short text
MBEW	BWVA2	Valuation variant for the current standard cost estimate
MBEW	BWVA3	Valuation variant for past standard cost estimate
MBEW	VERS1	Costing version of the future standard cost estimate
MBEW	VERS2	Costing version of the current standard cost estimate
MBEW	VERS3	Costing version of the previous standard cost estimate
MBEW	HRKFT	Origin Group as Subdivision of Cost Element
MBEW	KOSGR	Costing overhead group
MBEW	PPRDZ	Period of future cost estimate
MBEW	PPRDL	Period of the current cost estimate
MBEW	PPRDV	Period of the previous cost estimate
MBEW	PDATZ	Future fiscal year
MBEW	PDATL	Fiscal year for current cost estimate
MBEW	PDATV	Fiscal year of previous cost estimate
MBEW	EKALR	Material is costed with quantity structure
MBEW	VPLPR	Previous planned price
MBEW	MLMAA	Material ledger activated at material level
MBEW	MLAST	Material Price Determination: Control
MBEW	LPLPR	Current planned price
MBEW	VKSAL	Value of Total Valuated Stock at Sales Price
MBEW	HKMAT	Material-related origin
MBEW	SPERW	Physical inventory blocking indicator
MBEW	KZDWA	Physical inventory indicator for value only material

Take a drop down in the second field 'Field name' and select

Restrict value range (1) 7 Entries found		
Restrictions		
Origin	Field name	Short text
GLOBAL	WERKS	Plant used for reading cost estimate
GLOBAL-2	USERTEMP1	1st temporary field for determining costing keys
GLOBAL-2	USERTEMP2	2nd temporary field for determining costing keys
GLOBAL-2	USERTEMP3	3rd temporary field for determining costing keys
GLOBAL-2	USERTEMP4	4th temporary field for costing key determination
GLOBAL-2	USERTEMP5	5th temporary field for costing key determination
GLOBAL-2	USERTEMP6	6th temporary field for costing key determination

Table lookup Edit Goto Extras System Help

Assign costing keys to any characteristics: Change Table Lookup

Table lookup MBEW Material Valuation

Current plan period

Definition Attributes

Source fields for table lookup

Origin	Field name	Name	Origin	Field name	Name
MBEW	MATNR	Material number	CO-PA	ARTNR	Product number
MBEW	BWKEY	Valuation area	GLOBAL	BWFKT	Point of valuation
MBEW	BWTAR	Valuation type	GLOBAL	VRGAR	Record type

Assignment of table fields to target fields

Origin	Field name	Name	Origin	Field name	Name
MBEW	PPRDL	Period of the current	GLOBAL-2	USERTEMP3	3rd temporary field for de

Click on 



Click on 

Create Step

☐ Assignment rule

☒ Table lookup

☐ Enhancement

Enter Table Name

Enter table name

☐ ☐

Table lookup Edit Goto Extras System Help

Assign costing keys to any characteristics: Change Table Lookup

Table lookup MBEW Material Valuation

Evaluate price control indicator from table MBEW

Definition Attributes

Source fields for table lookup

Origin	Field name	Name	Origin	Field name	Name
MBEW	MATNR	Material number	=	CO-PA	ARTNR
MBEW	BWKEY	Valuation area	=	GLOBAL	BWFKT
MBEW	BWTAR	Valuation type	=	GLOBAL	VRGAR

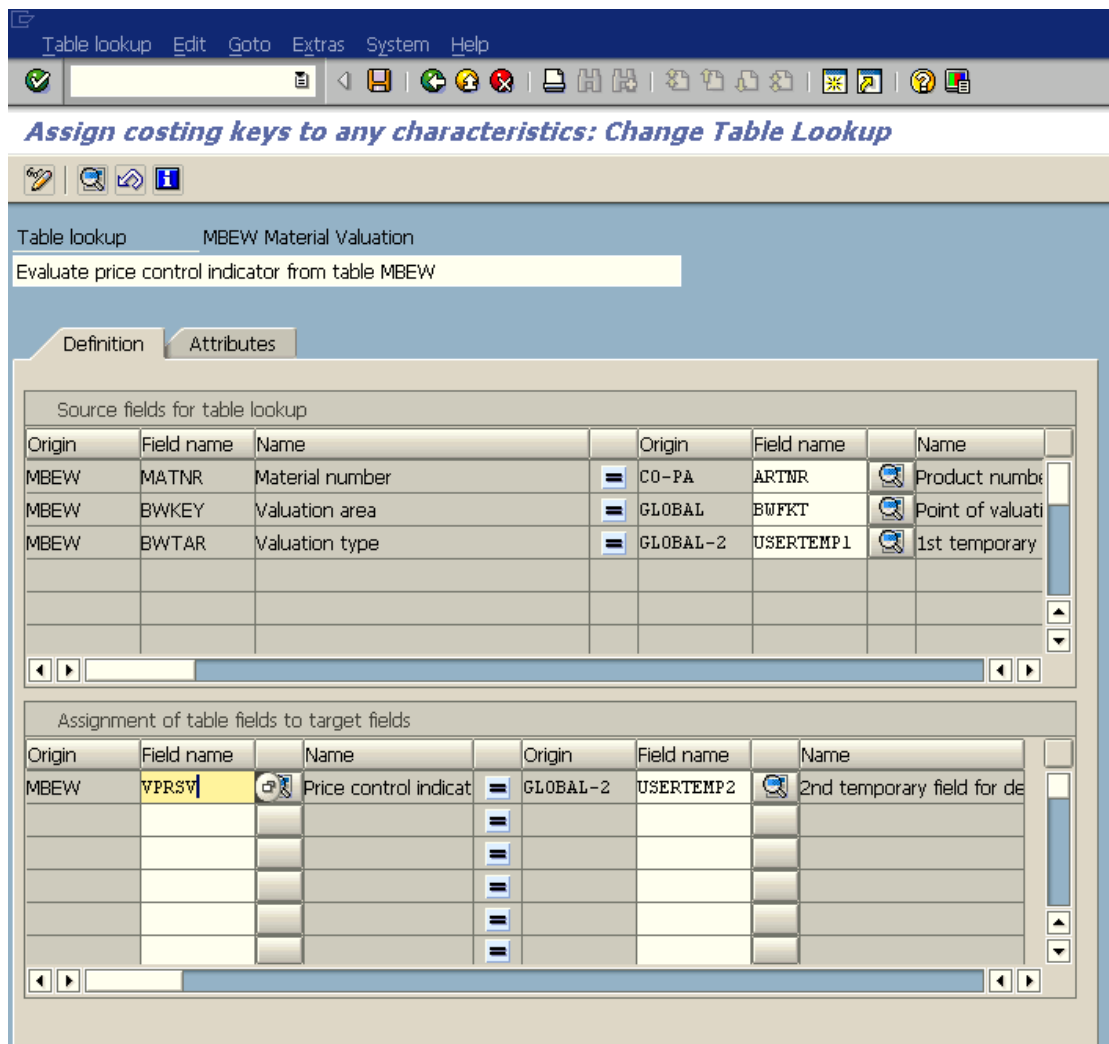
Assignment of table fields to target fields


Origin	Field name	Name	Origin	Field name	Name
			=		
			=		
			=		
			=		
			=		
			=		

Change valuation type field VRGRAR to usertemp1

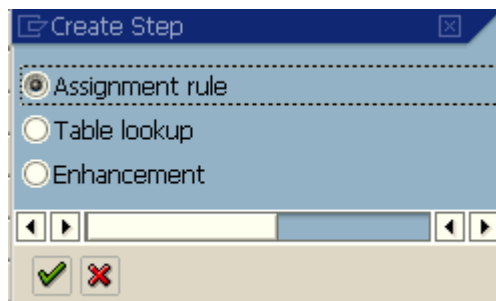
Take a drop down in the first field **Field name** and select

Origin	Field name	Short text
MBEW	VMBKL	Valuation Class in Previous Period
MBEW	VMKUM	Total valued stock in previous period
MBEW	VMPEI	Price unit of previous period
MBEW	VMSAL	Value of total valued stock in previous period
MBEW	VMSAV	Value based on moving average price (previous period)
MBEW	VMSTP	Standard price in the previous period
MBEW	VMVER	Moving Average Price/Periodic Unit Price in Previous Period
MBEW	VMVPR	Price Control Indicator in Previous Period
MBEW	VPLPR	Previous planned price
MBEW	VPLPX	Fixed proportion of previous planned price
MBEW	VPRSV	Price control indicator
MBEW	VVJLB	Total valued stock in year before last
MBEW	VVJSL	Value of total valued stock in year before last
MBEW	VVMLB	Total valued stock in period before last
MBEW	VVSAL	Value of total valued stock in period before last
MBEW	WLINL	Date of last physical inventory for unrestricted-use stock
MBEW	XBEWM	Valuation based on the batch-specific unit of measure
MBEW	XLIFO	LIFO/FIFO-relevant
MBEW	ZKDAT	Date as of which the price is valid
MBEW	ZKPRS	Future price
MBEW	ZPLD1	Date from Which Future Planned Price 1 Is Valid
MBEW	ZPLD2	Date from Which Future Planned Price 2 Is Valid



Click on 

Click on 



This will come automatically



Derivation rule Edit Goto Extras System Help

Assign costing keys to any characteristics: Change

Maintain rule values

Assignment rule

Definition Attributes

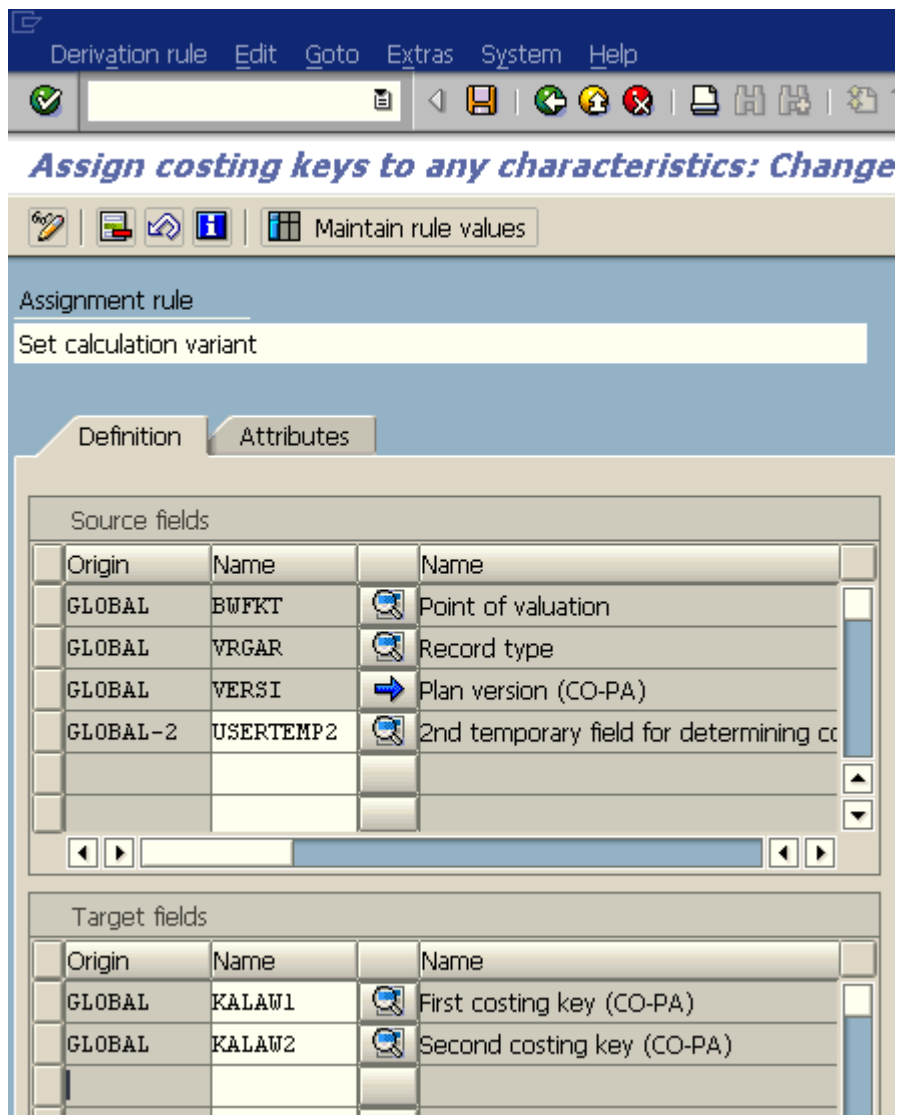
Source fields

Origin	Name		Name
GLOBAL	BWFKT		Point of valuation
GLOBAL	VRGAR		Record type
GLOBAL	VERSI		Plan version (CO-PA)

Target fields

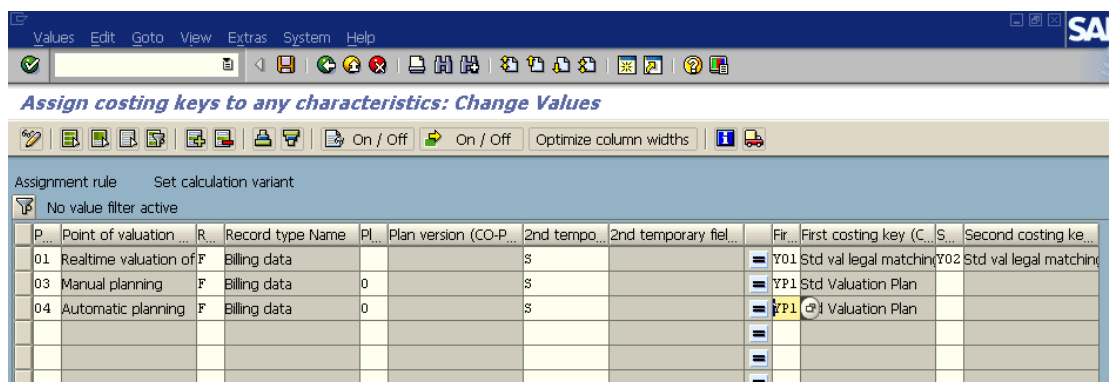
Origin	Name		Name
GLOBAL	KALAW1		First costing key (CO-PA)

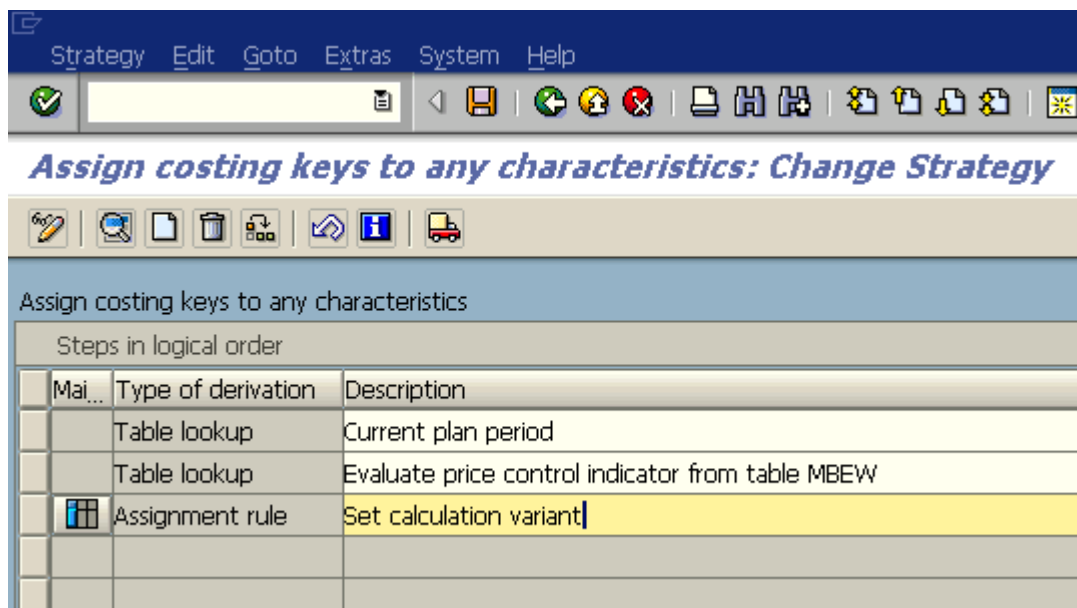
**Update the following:-**



Click

Click Maintain rule values



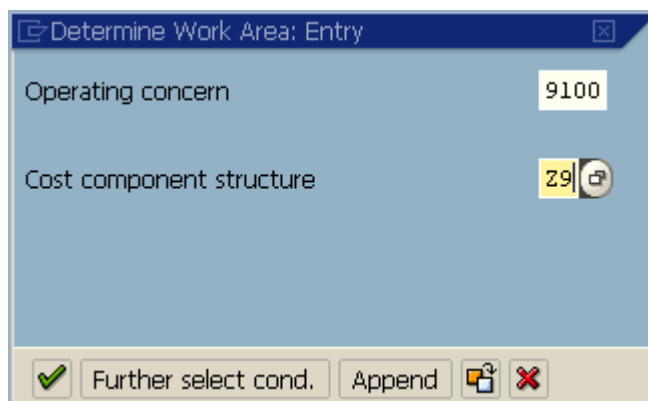



## 2.7 Assign Value Fields

IMG → Controlling → Profitability Analysis → Master Data → Valuation → Set Up Valuation Using Material Cost Estimates → Assign Value Fields

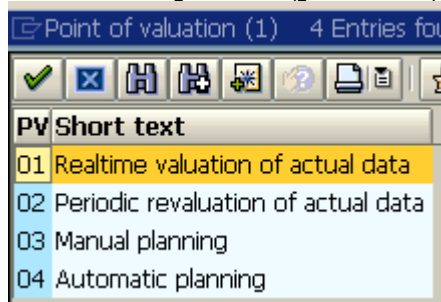
=> **Customizing request generated here**

**Here we assign the cost component structure from Product cost planning to the values fields of our operating concern.**

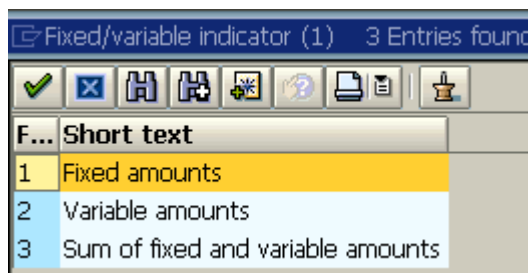


Click on 

Take a drop down(press F4) in the field PV



Take a drop down in the field F/V



Take a drop down in the field Fld name1 and Fld name 2

VV002	Gross Sales
VV003	Returns
VV004	Discounts
VV014	Other Sales adjusts
VV015	Raw Materials/G fr
VV016	Mfg. cost variable
VV017	Vol. Var. Prod. CC
VV019	Mfg. cost fixed
VV023	Price var. Prod. ord
VV024	Other Var Prod. Ord
VV026	Val.diff in stocks
VV051	Marketing costs
VV057	Research & Developme

Finally the table should like this after updating all entries.

Table view Edit Goto Selection criteria Utilities System Help

**New Entries: Overview of Added Entries**


Op. concern 9100 A Group Operating concern

Cost comp. stru 29

Assign Costing Elements to Value Fields

PV	CCo	Cost component	F/V	Fld name 1	Fld name 2	Fld name 3
01	1	Raw material & SFG	3	VV015	VV015	
01	2	Packing Material	3	VV015	VV015	
01	3	Material Overheads	3	VV019	VV019	
01	4	Salaries and Wages	3	VV019	VV019	
01	5	Production overheads	3	VV019	VV019	
01	6	Depreciation	1	VV019	VV019	
01	6	Depreciation	2	VV016	VV016	
01	7	Other costs	3	VV019	VV019	
			<input checked="" type="checkbox"/>			
			<input checked="" type="checkbox"/>			
			<input checked="" type="checkbox"/>			

Position... Entry 1 of 46

Click on 

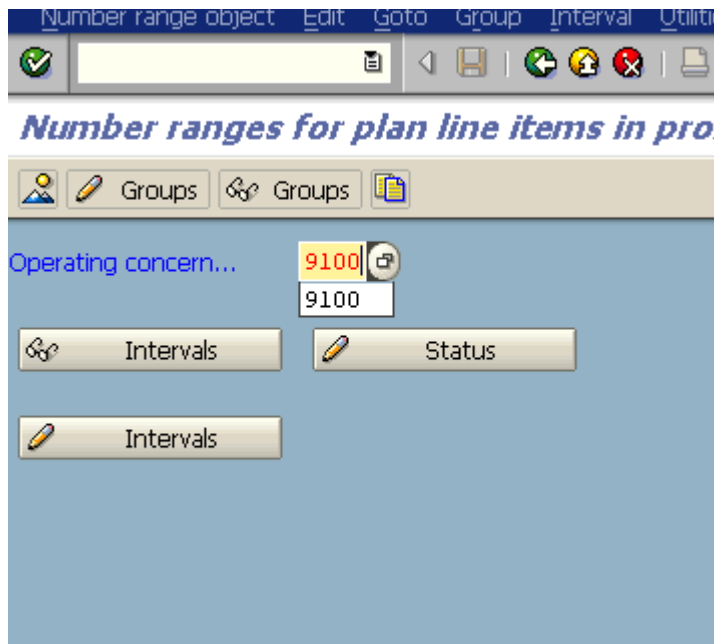
### 3. Planning

#### 3.1 Define Number Ranges for Planning Data

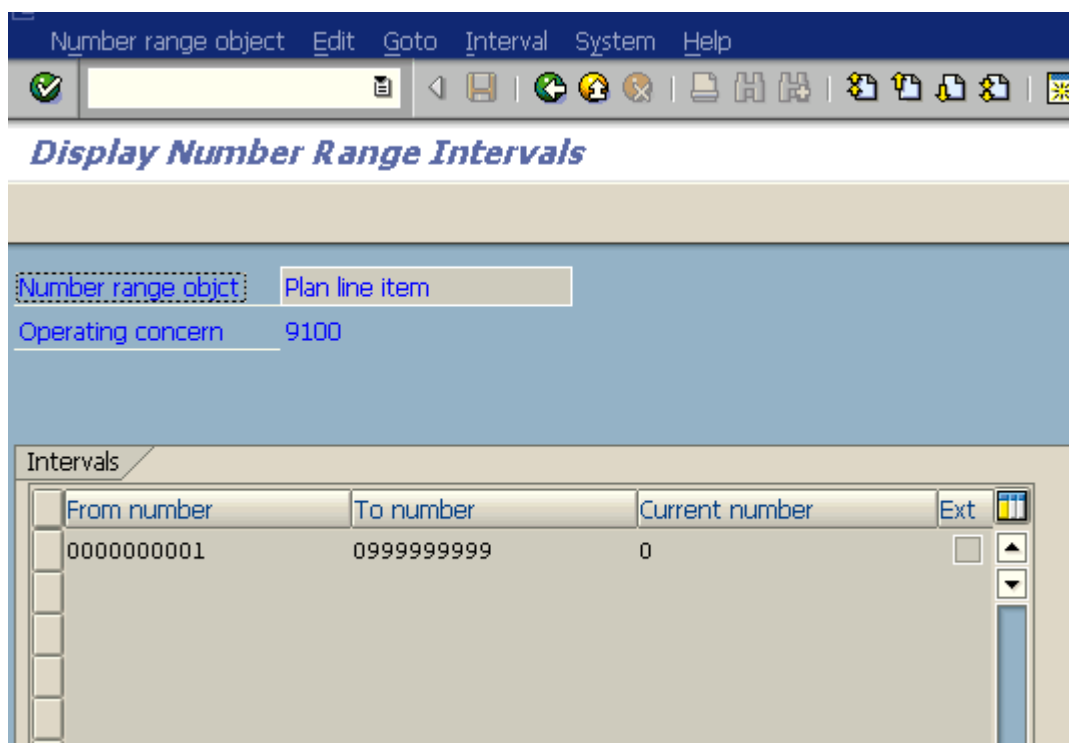
IMG → Controlling → Profitability Analysis → Planning → Initial Steps  
→ Define Number Ranges for Planning Data

Each planning data posted in CO-PA will generate a planning document. We need to maintain the number range for planning document

Update the following:-

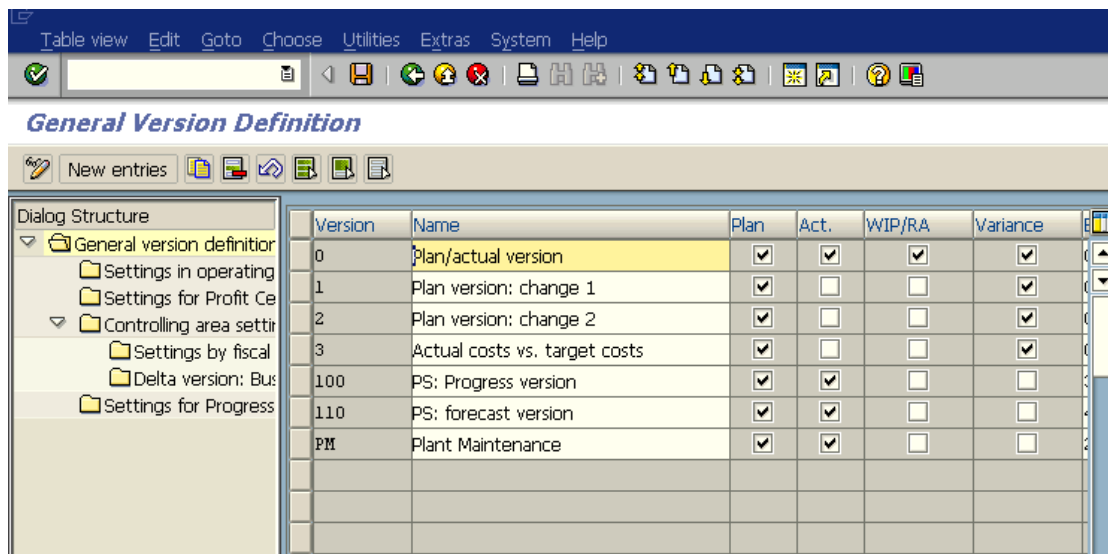


Click



### 3.2 Maintain Versions

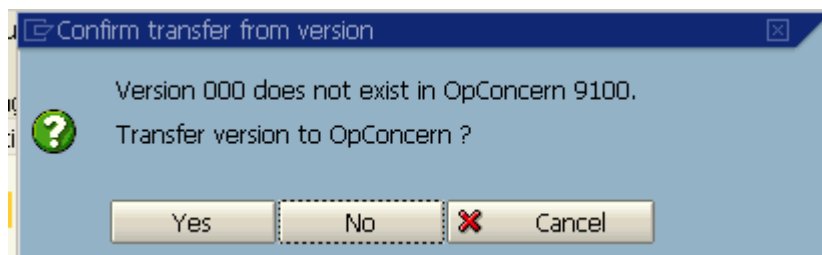
IMG → Controlling → Profitability Analysis → Planning → Initial Steps  
 → Maintain Versions  
 Here we maintain the plan version required for planning in CO-PA.



### Select

Version	Name	Plan	Act.	WIP/RA	Variance
0	Plan/actual version	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**Double click** Settings in operating



**Click on Yes to transfer the version to operating concern**

**Change the exchange rate type from M to P**

Table view Edit Goto Selection criteria Utilities System Help

Change View "Settings in operating concern": Details

New entries

Dialog Structure

- General version definition
  - Settings in operating
  - Settings for Profit Ce
  - Controlling area setti
    - Settings by fiscal
    - Delta version: Bu:
  - Settings for Progress

Operating concern 9100 A Group Operating concern

Version 0 Plan/actual version

Attributes

☐ Version locked

Currency type B0 Operating concern currency

Exch.rate type P Standard translation for cost planning

☐ Check derivation

Derivation date 01.01.2005

Transfer to SOP

Characteristic group

Click 

### 3.3 Assign Quantity Fields

IMG → Controlling → Profitability Analysis → Planning → Initial Steps  
→ Assign Quantity Fields

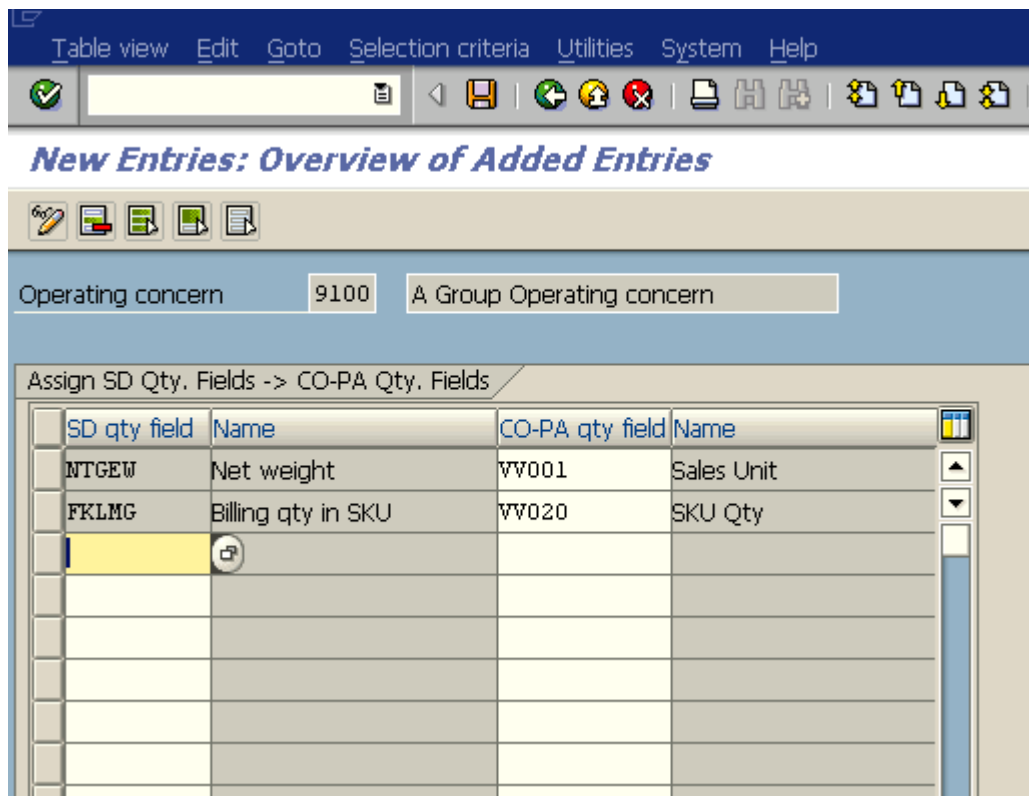
=> **Customizing request generated here**

A number of quantity fields are defined and used in the SD billing system. In this step you assign these to the corresponding quantity fields in costing-based Profitability Analysis (CO-PA).

We assign all the quantity fields we want to transfer from the billing system to costing-based CO-PA.

Click on 





Click on 

### 3.4 Set Up Planning Framework

IMG → Controlling → Profitability Analysis → Planning → Planning Framework → Set Up Planning Framework

The initial screen for setting up and performing planning uses a uniform graphic interface. The architecture of your planning is represented in a tree hierarchy. Here, you work essentially with the following four elements:

#### ➤ Planning levels

You use the planning level to determine the level at which planning is to occur. You do this by specifying the characteristics for planning.

#### ➤ Planning packages

You specify characteristic values in a planning package. In this way, you determine the market segment for which planning is to take place for a particular period. A planning package can thereby be seen as a

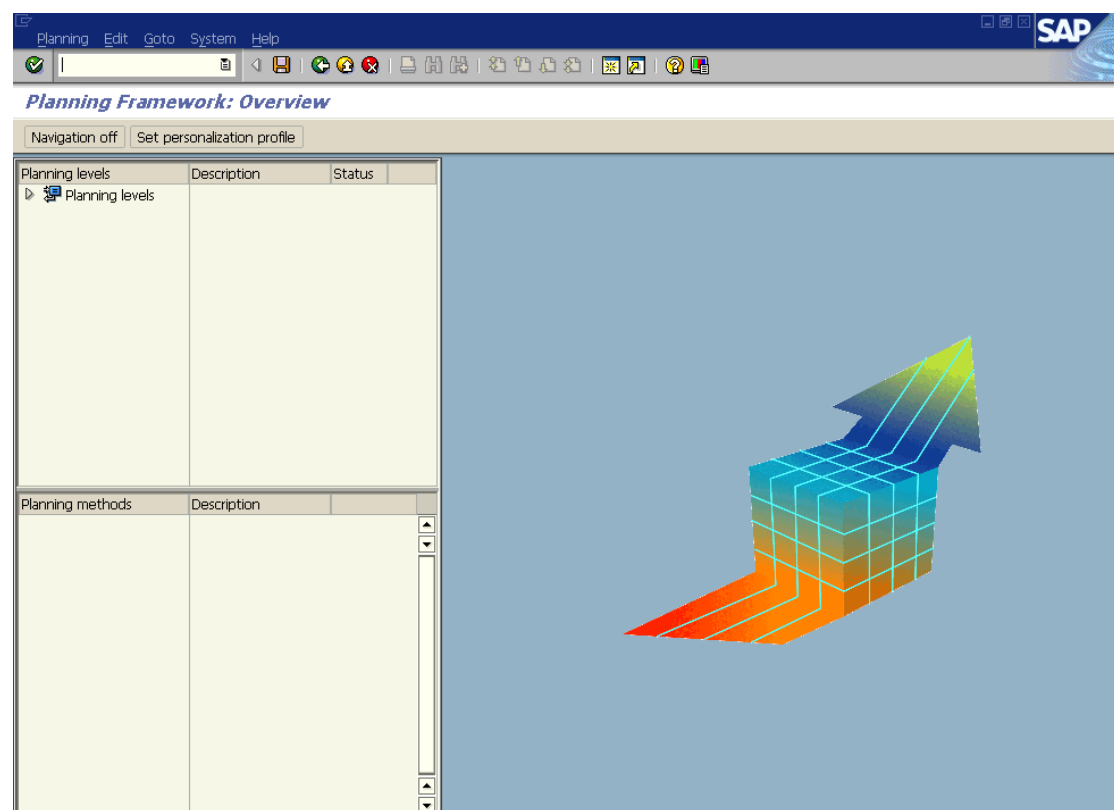
work package that determines which planning objects are relevant to a specific planner.

### ➤ **Planning methods**

Planning methods are functions with which planning data can be entered and changed.

### ➤ **Parameter set**

A parameter set contains all the settings necessary for executing a planning method



We want to do a sales plan for a year based on customer, product , Gross sales and sales unit.

Click  and right click 

Create Planning Level

Planning level    Z91SP    A LTD SALES PLAN

✓ ✗

Planning   Edit   Goto   System   Help

Navigation off   Set personalization profile

Planning levels   Description   Status

Planning levels

Planning methods   Description

Planning level   Z91SP   A LTD SALES PLAN

Charact.   Selection   Description

Planning level

Description	Field name
Period/year	PERIO
Record type	VRGAR
Version	VERSI

Characteristic list

Description	Field name
Brand-SKU	EXTWG
Business Field	WW008
Business area	GSBER
Business segment	WW007
CO area	KOKRS
Company Code	BUKRS
Customer	KNDNR
Customer-Hier01	KMH01
Customer-Hier02	KMH02
Customer-Hier03	KMH03
Distr. channel	VTWEG
Division	SPART
Plant	WERKS
Prod.hierarchy	PRODH
Product	ARTNR
Profit center	PRCTR
Sales group	VKGRP
Sales org.	VKORG
Unit SKU Qty	VV020_ME

KEPM   demo   INS

Select    Company Code    BUKRS

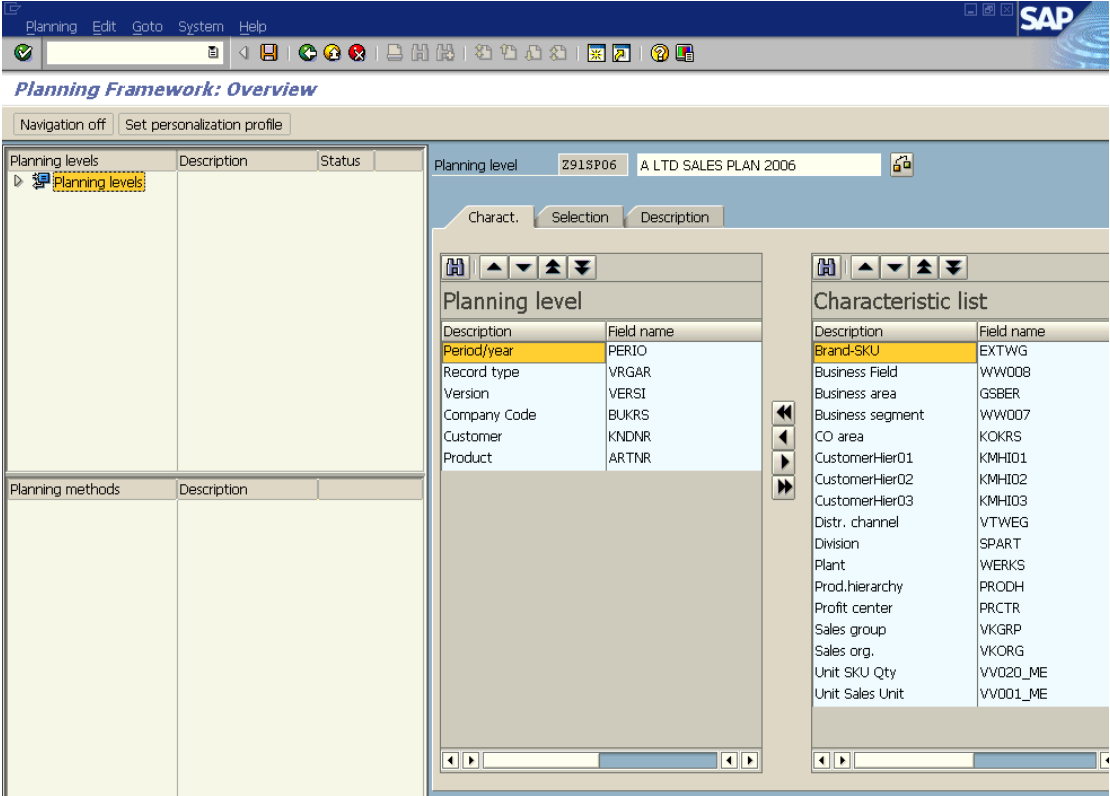
Click    ◀

Select    Customer    KNDNR

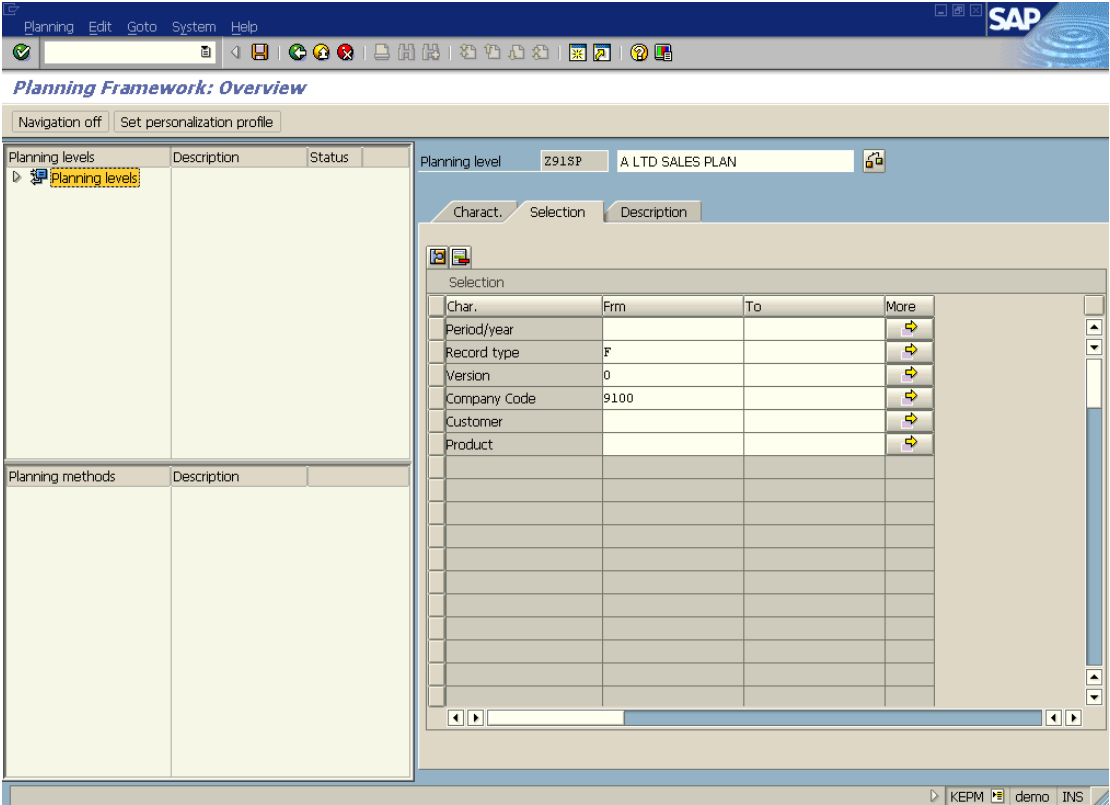
Click    ◀


Select    Product    ARTNR

Click 



Click 



Click on 

Display planning level

Change planning level

Copy planning level

Delete planning level

Transport planning level

Ad hoc planning package

Create planning package

Click on  and right click

Create Planning Package

Plan. package2006Sales plan 2006

Planning Edit Goto System Help

Planning Framework: Overview

Navigation off Set personalization profile

Planning levels

Planning levels

Z91SP

2006

A LTD SALES PLAN

Sales plan 2006

Planning methods

Z91SP

Enter planning c

Display planning

Copy

Forecast

Delete

Top-down distrib

Ratios

Valuation

Revaluation

Event

Period distributio

Customer enhanc

Plan. package2006Sales plan 2006


Selection

Description

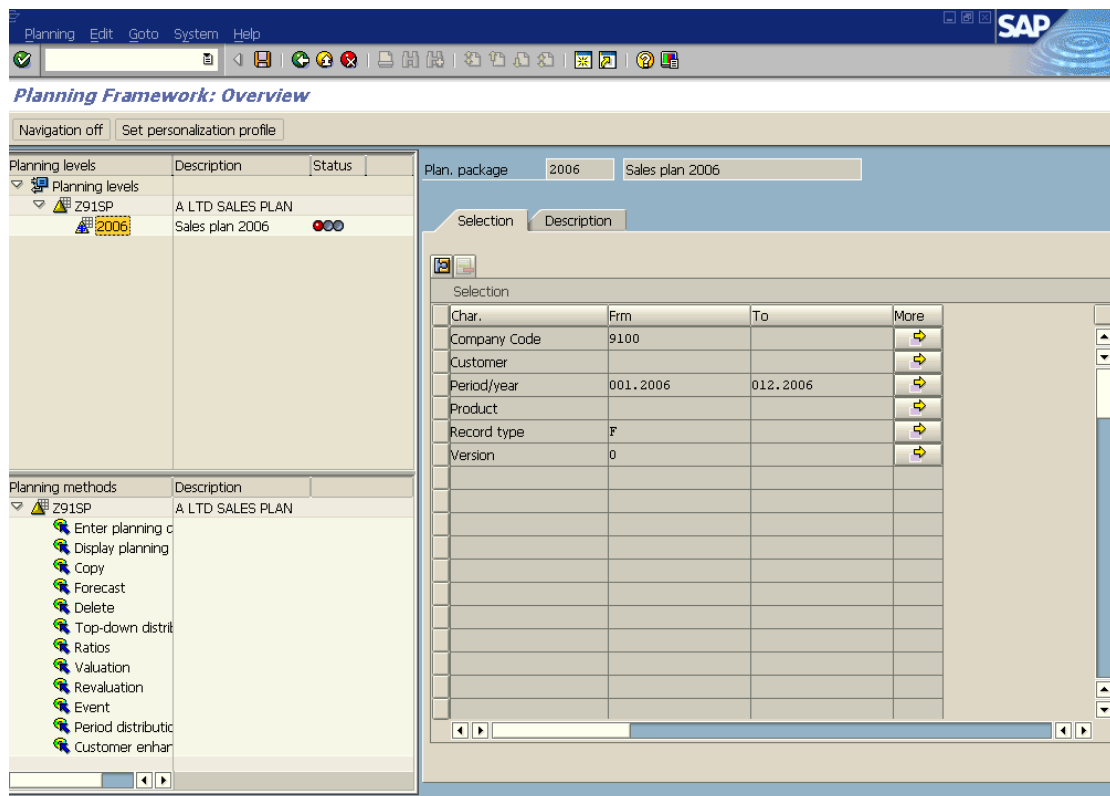
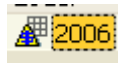
Selection

Char.	Frm	To	More
Company Code	9100		
Customer			
Period/year	001.2006	012.2006	
Product			
Record type	F		
Version	0		

KEPM demo INS

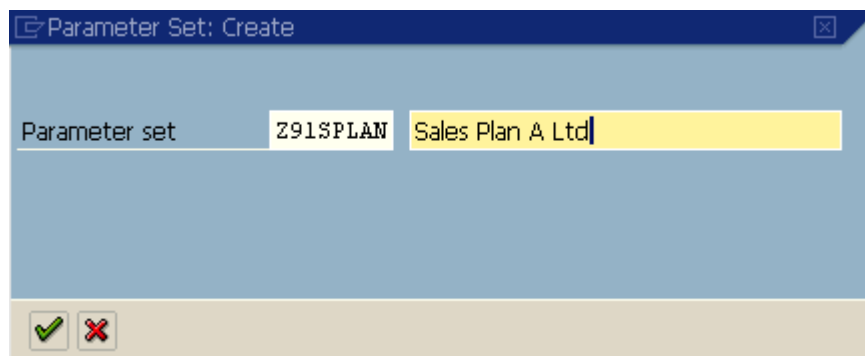
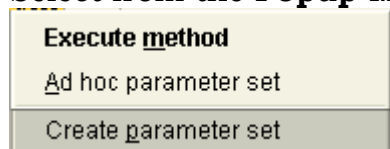
Click on 

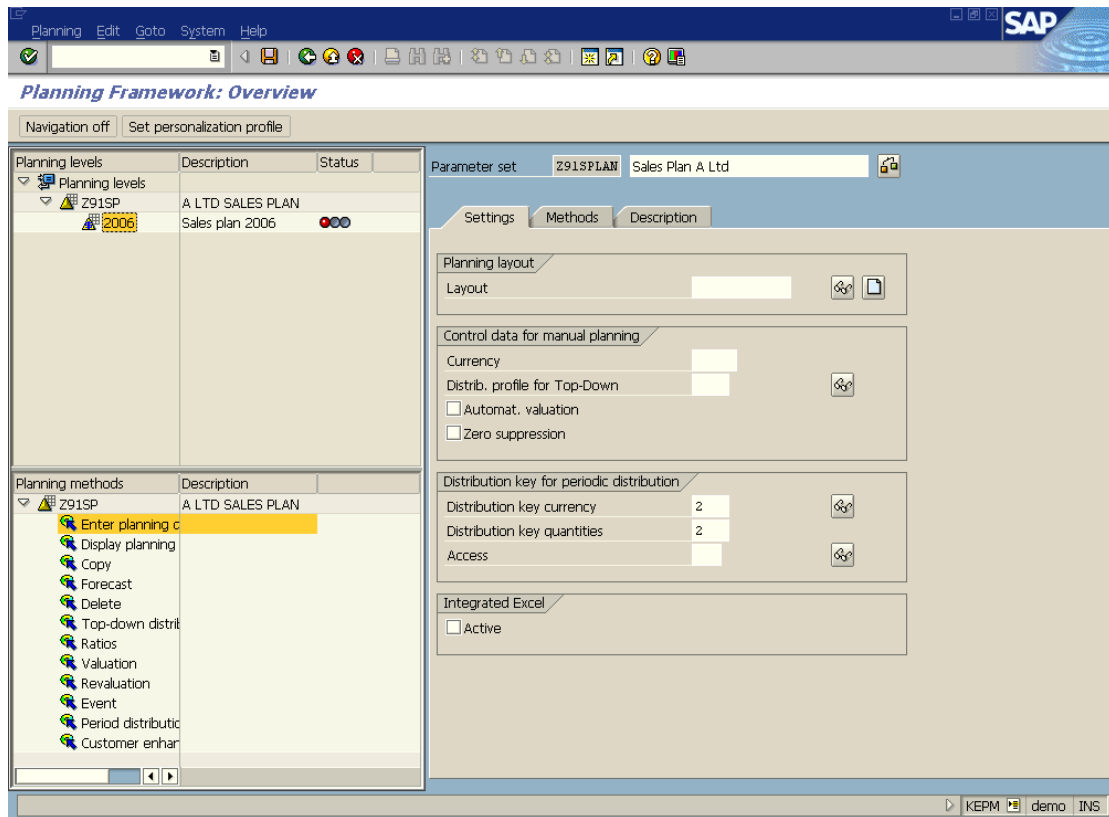
Double click



Right-click the **Enter planning data** Enter planning data.

Select from the **Popup Menu** → **Create parameter set**



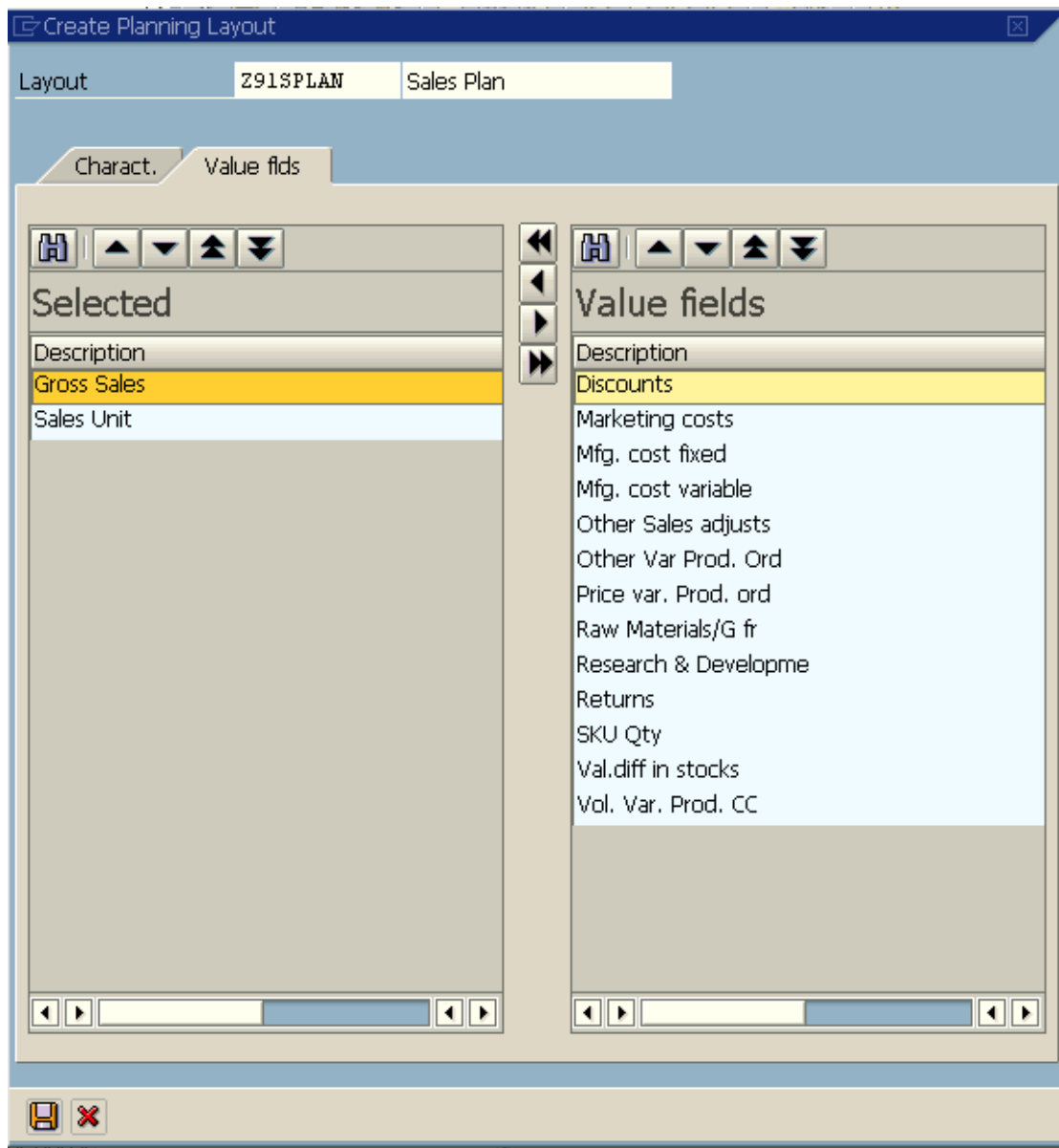



Click the **Layout Create**  button

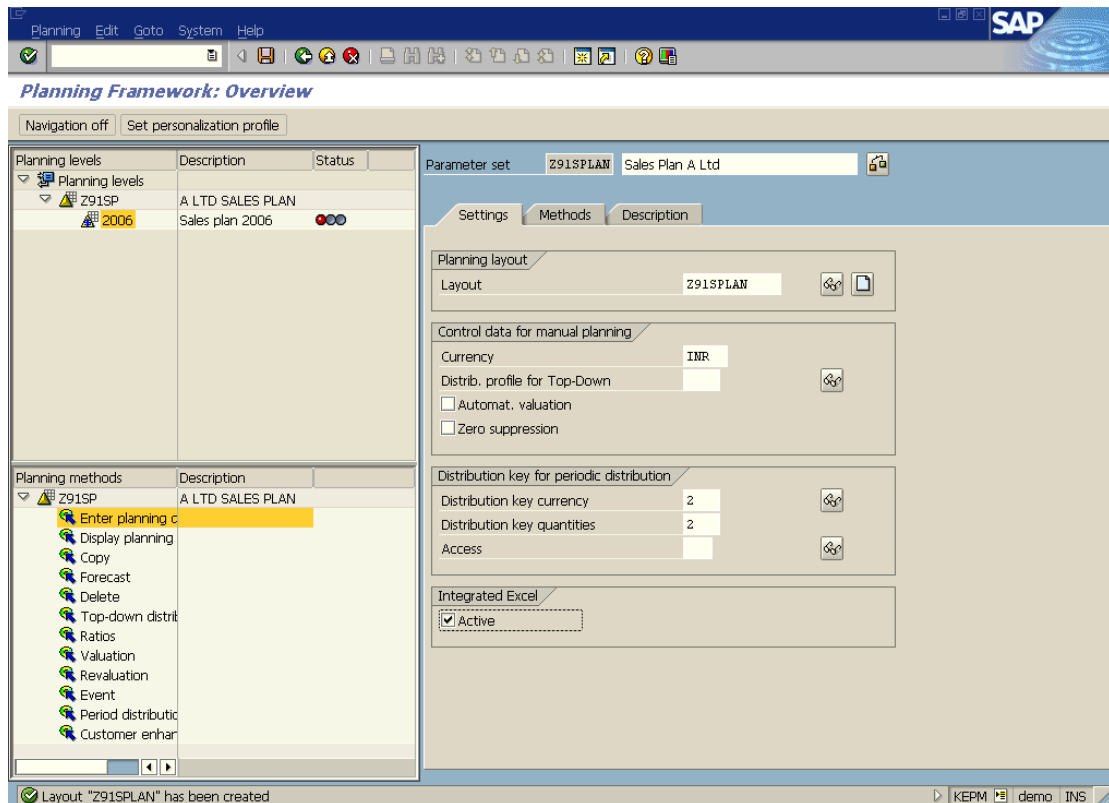
[illegible]


Click the **Value flds**  tab button






Click on 



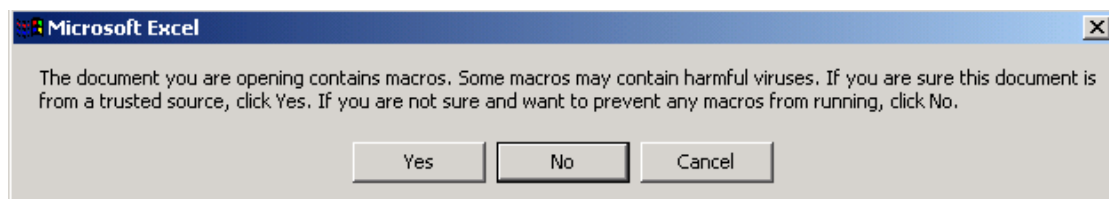
Click on 

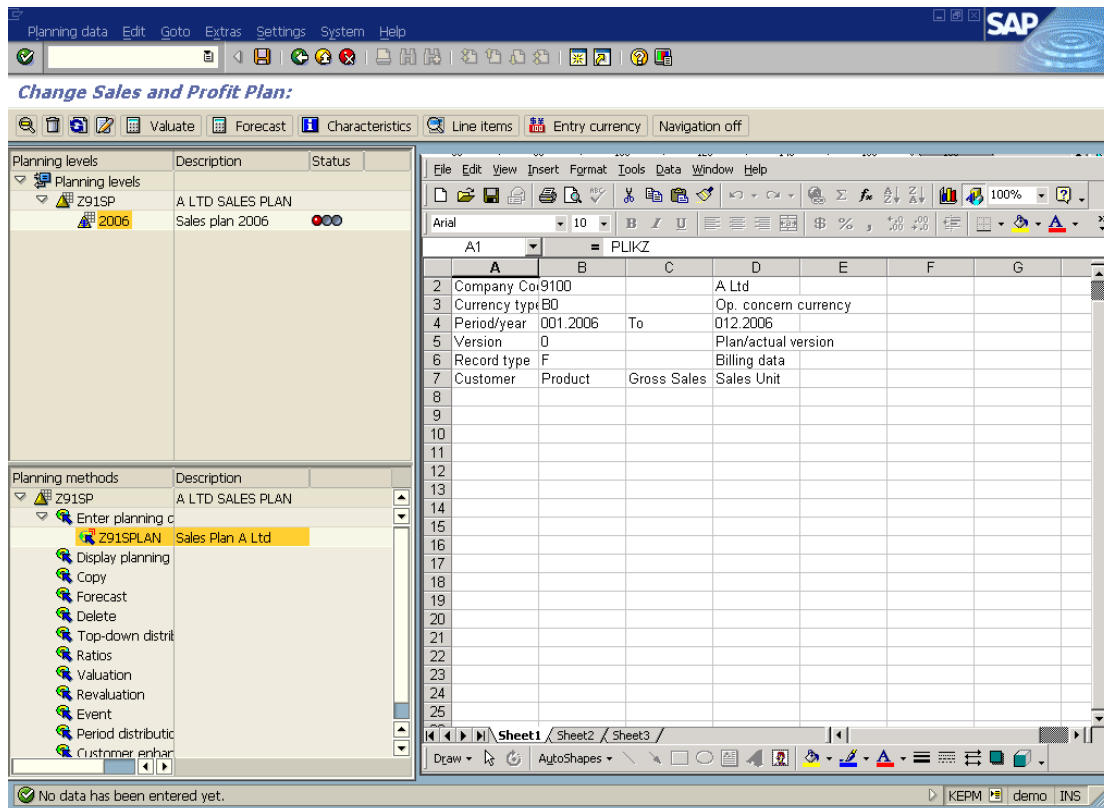
click  to open planning package 2006

double click 

Click  Enter planning c

Double click 





### 3.5 Assign Characteristic Groups to Plan Cycles

IMG → Controlling → Profitability Analysis → Planning → Integrated Planning → Transfer Cost Center Planning/Process Planning → Initial Steps → Assign Characteristic Groups to Plan Cycles

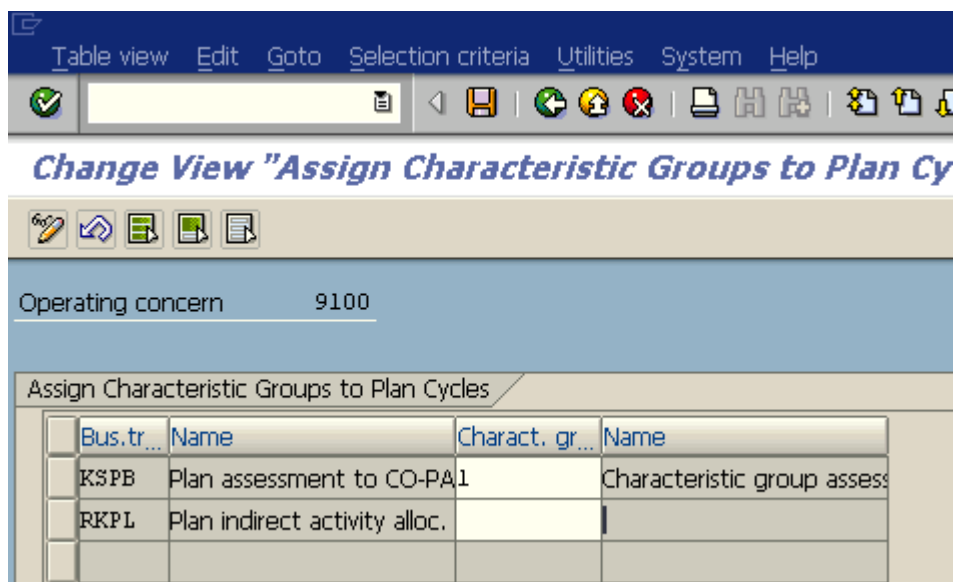
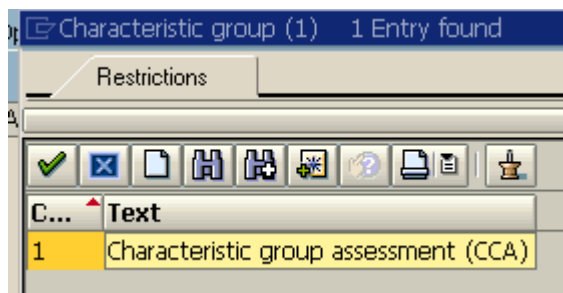
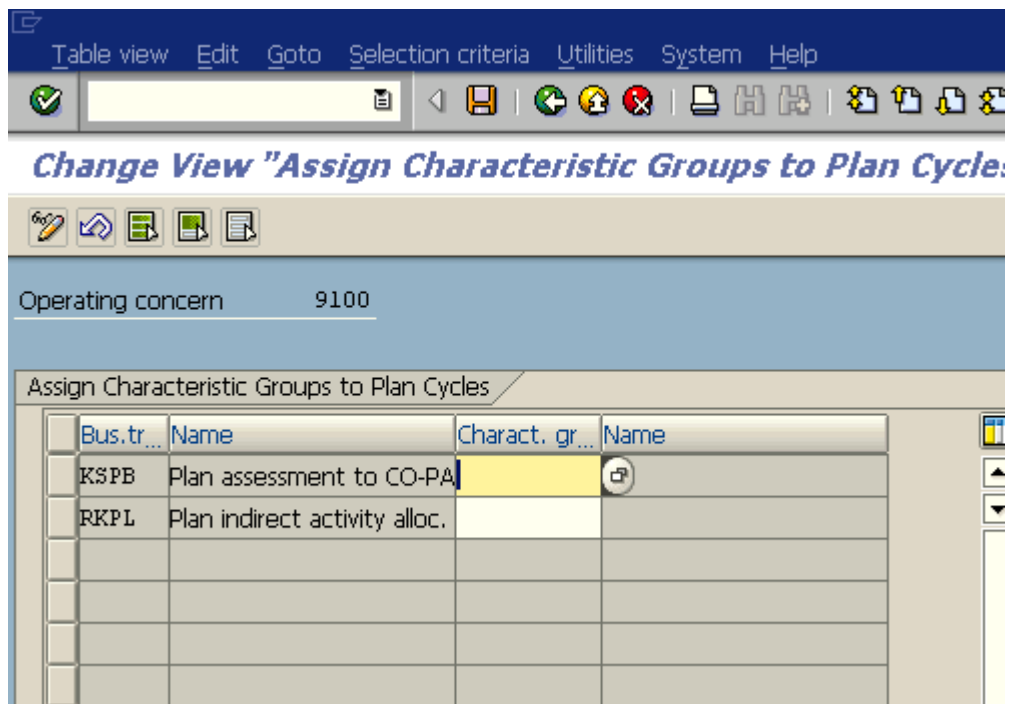
=> **Customizing request generated here**

Before we can assign characteristic group to plan cycle, we need to create the characteristic group. The characteristic group is created in step 4.11

This step is necessary for assessment cycle maintenance, to determine which characteristics can be used to define the receiver segment.

We assign the characteristic group 1 to Plan assessment to COPA.

Example: During segment maintenance for a planned assessment cycle, the fields profit center, company code, business segment and sales group should be available for entry. We therefore assign a characteristic group containing these characteristics to the business transaction KSPB (Plan assessment to CO-PA).



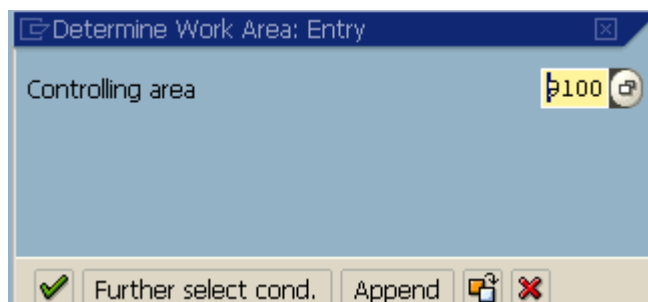
Click 

### 3.6 Assign Receiver Plan Version

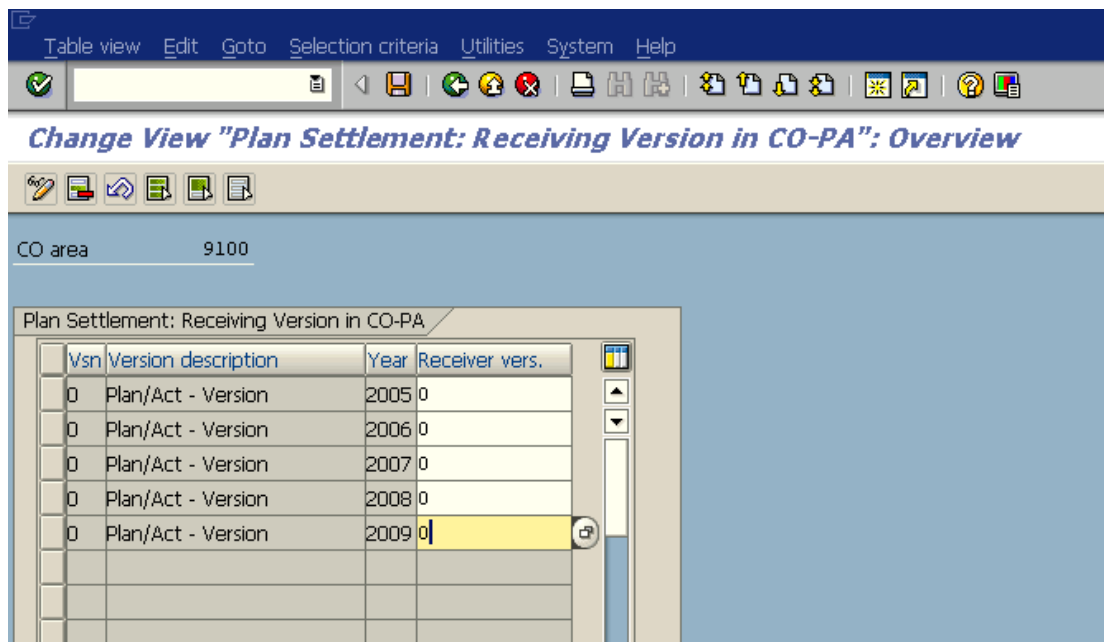
IMG → Controlling → Profitability Analysis → Planning → Integrated Planning → Transfer Cost Center Planning/Process Planning → Initial Steps → Assign Receiver Plan Version

=> **Customizing request generated here**

Assign the cost center accounting plan version 0 to the plan version 0 in CO-PA.



**Update the receiver vers. 0**



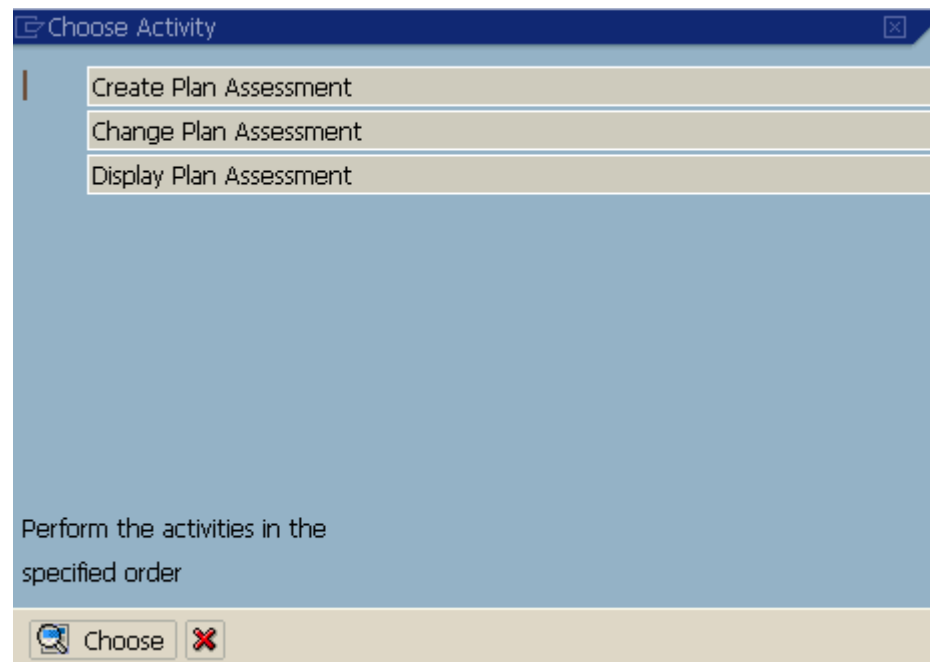
Click on 

### 3.7 Define Structure of Cost Center Assessment/Process Cost Assessment

IMG → Controlling → Profitability Analysis → Planning → Integrated Planning → Transfer Cost Center Planning/Process Planning → Assess Cost Center Costs / Process Costs → Define Structure of Cost Center Assessment/Process Cost Assessment

Here we define the plan assessment cycle for allocating costs from cost centers to Profitability analysis. Here we have the cycle segment approach. You can attach various segments to the cycle.

We need to have a secondary cost element created in the controlling module with cost element category 42.



**Update the following:-**

CO-PA Create Plan Assessment Cycle: Initial screen

Cycle

Starting date

Copy from

Cycle

Starting date

CO-PA Create Plan Assessment Cycle: Header Data

Attach segment

Operating concern  A Group Operating concern Status

Cycle

Starting date  To

Text

Indicators

☐ Aggreg. tracing factor

Preset selection criteria

CO area	<input type="text" value="9100"/>	A Grp Co Controlling area
TF basis	<input type="text" value="1"/>	Costing-based Profitability An
Sender version	<input type="text" value="0"/>	Plan/Act - Version
Receiver vers.	<input type="text" value="0"/>	Plan/actual version

Click

Attach segment

Cycle Edit Goto Extras System Help

CO-PA Create Plan Assessment Cycle: Segment

Attach segment

Operating concern	9100	A Group Operating concern
Cycle	Z91MKP	51; VV051;Marketing costs
Segment name	Z91MKP0001	51;VV051;Marketing costs <input type="checkbox"/> Lock indicator

Segment hdr Sender/receiver Recvr tracing factor

Assessment CElem	960510	Marketing costs
Fixed value field	VV051	Marketing costs
Val.fld vbl cst	VV051	Marketing costs
Alloc.structure		
PA transfer struct.		

Sender values

Rule	1 Posted amounts
Share in %	100.00

Receiver tracing factor

Rule	3 Fixed percentages
------	---------------------



Cycle Edit Goto Extras System Help

CO-PA Create Plan Assessment Cycle: Segment

Attach segment

Operating concern 9100 A Group Operating concern  
 Cycle Z91MKP 51; VV051;Marketing costs  
 Segment name Z91MKP0001 51;VV051;Marketing costs ☐ Lock indicator

Segment hdr Sender/receiver Recvr tracing factor

	From	To	Group
<b>Sender</b>			
Cost center	9119000		
Cost element			
<b>Receiver</b>			
Profit center			11
Company Code			
Business segmen	01		
Sales org.			
Distr. channel			
Sales group	EC1		
Product			

Recvr tracing factor

CO-PA Create Plan Assessment Cycle: Segment

Operating concern: 9100 A Group Operating concern

Cycle: Z91MKP 51; VV051;Marketing costs


Segment name: Z91MKP0001 51;VV051;Marketing costs ☐ Lock indicator

Segment hdr Sender/receiver Recvr tracing factor

Receivers

Profit ctr	BusSGrp	Portion/percent
1101	01 EC1	50.00
1102	01 EC1	40.00

Click 

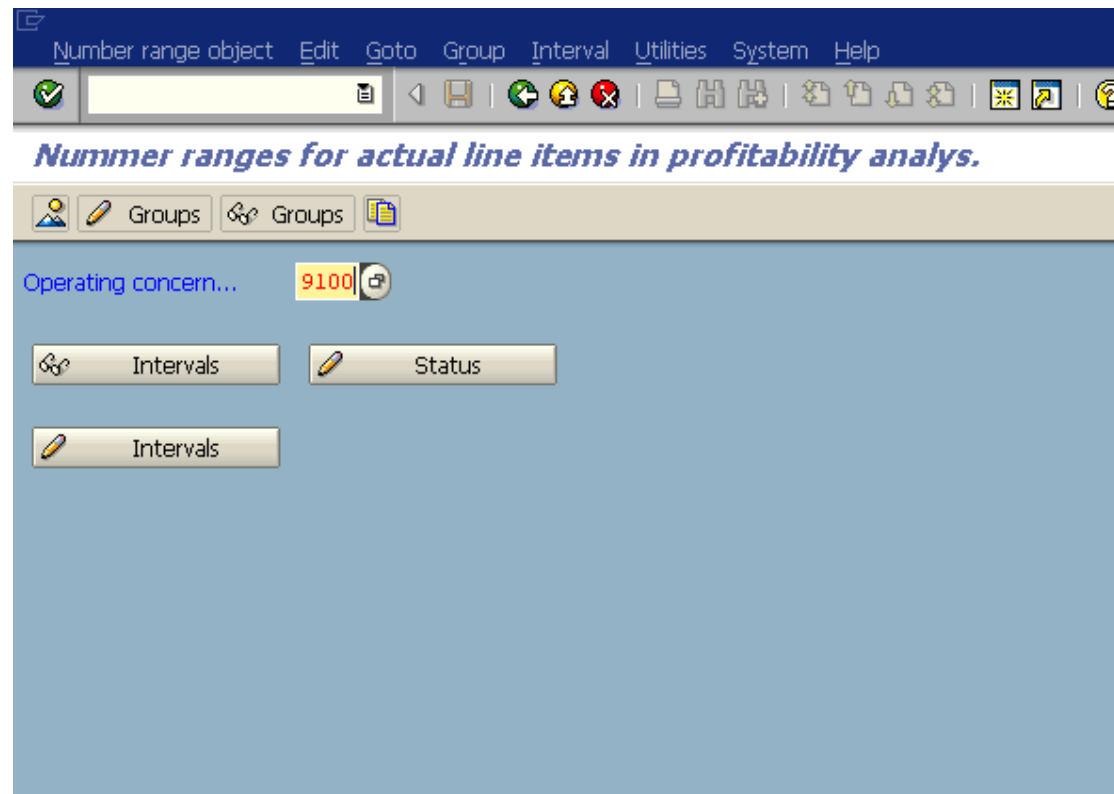
Click on 


## 4. Flows of Actual Values

### 4.1 Define Number Ranges for Actual Postings

IMG → Controlling → Profitability Analysis → Flows of Actual Values → Initial Steps → Define Number Ranges for Actual Postings

Here you define a number range to be used for actual line items.



Click on  to copy the number range from the SAP sample operating concern.

### 4.2 Maintain Value Field Groups

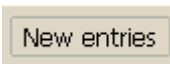
IMG → Controlling → Profitability Analysis → Flows of Actual Values → Initial Steps → Value Field Groups → Maintain Value Field Groups

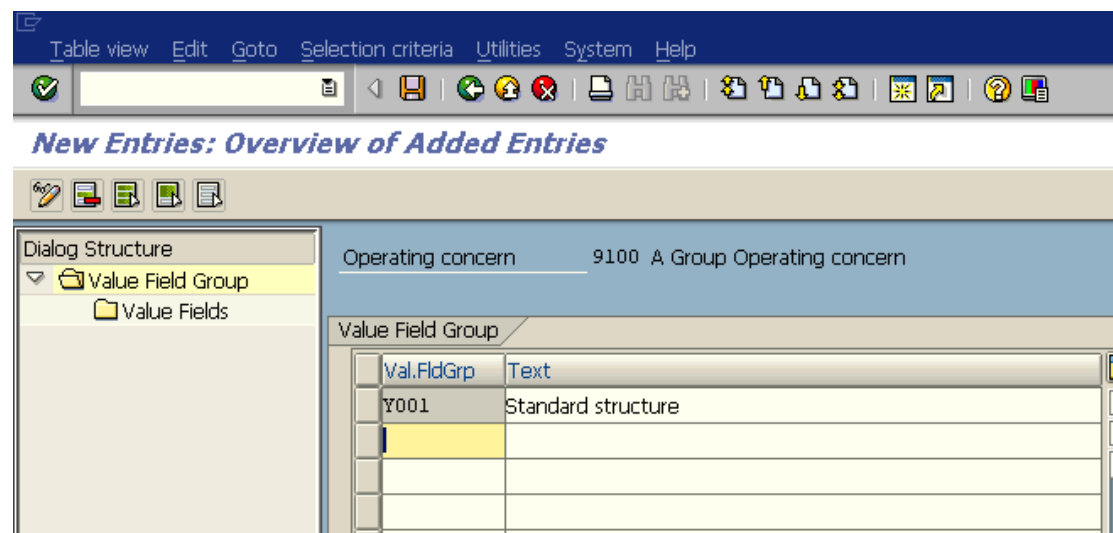
=> **Customizing request generated here**


Here you define the "value field groups" representing the possible combinations of value fields in an operating concern. Values field groups are used to specify


- ✓ Which value fields should be made available to users entering or displaying a line item, and
- ✓ In what order these value fields should be displayed.
- ✓ which specific value fields can be filled

If you do not define any value field groups, then all value fields in an operating concern are unlocked for entry during line item entry.

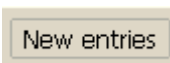
Click on 

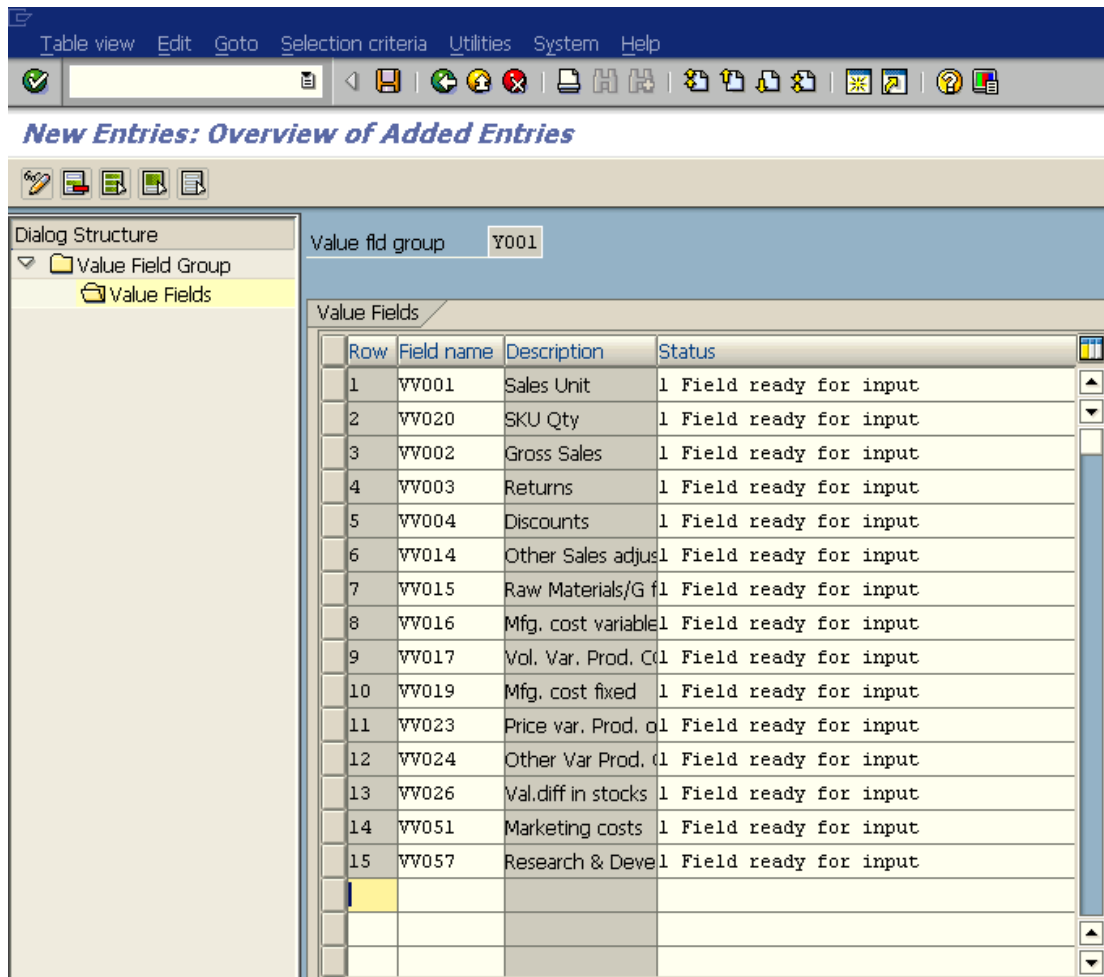


Click on 

Select 

Double click 

Click on 




Click on 

### 4.3 Assign Value Field Groups for Line Item Screens

IMG → Controlling → Profitability Analysis → Flows of Actual Values → Initial Steps → Value Field Groups → Assign Value Field Groups for Line Item Screens

=> **Customizing request generated here**

Here you assign the value field group to the record type.

Click on 

Record type (1) 8 Entries found

Restrictions

Rec. t...	Name
A	Incoming sales order
B	Dir.posting from FI
C	Order/proj.settlemt
D	Overhead costs
F	Billing data
G	Customer agreements
H	Stat. key figures
I	Order-rel. project

A...	Sg	Table Na...	Val.Fld...	Text
KE	02	CE19100	Y001	Standard structure

Table view Edit Goto Selection criteria Utilities System Help

**New Entries: Overview of Added Entries**

Operating concern 9100 A Group Operating concern

CO-PA: Value Field Group Assignment to CO-PA Record types

Rec. type	Val.FldGrp	Text
B	Y001	Standard structure
C	Y001	Standard structure
D	Y001	Standard structure
F	Y001	Standard structure

Click on 

## 4.4 Activate Transfer of Incoming Sales Orders

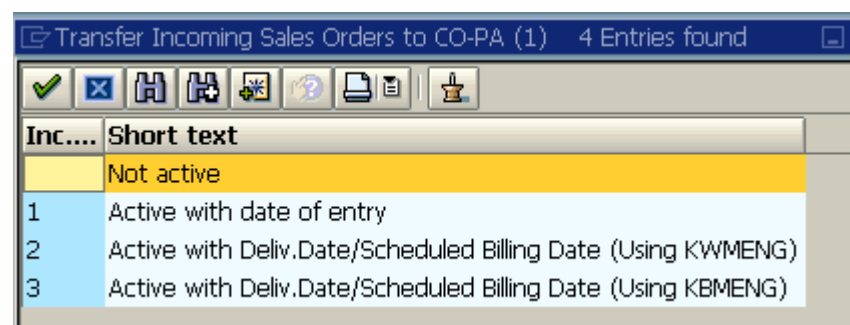
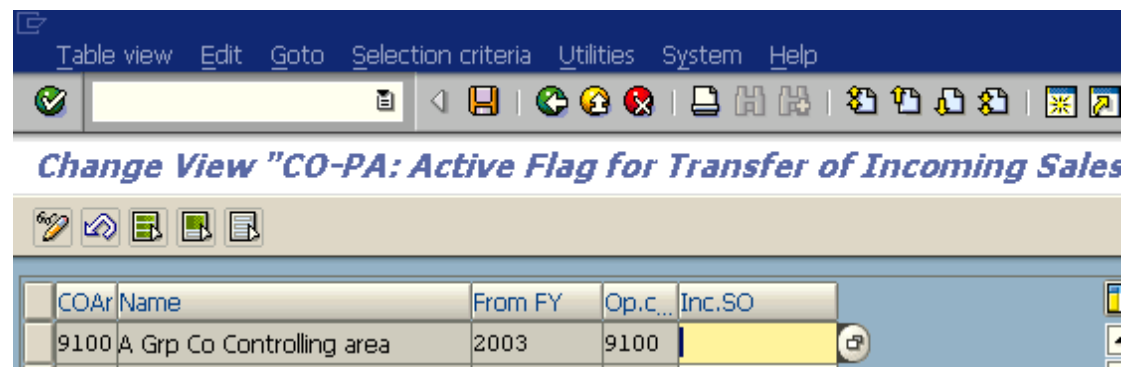
IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Transfer of Incoming Sales Orders → Activate Transfer of Incoming Sales Orders

Here you activate transfer of incoming sales order from SD to CO-PA.

Further, you can specify whether the transferred sales orders should be shown in CO-PA in

- The period in which they were created or
- The period of the planned delivery

In case you want to activate you need to select the relevant value from the drop down and save.



## 4.5 Transfer of Billing Documents

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Transfer of Billing Documents → Assign Value Fields

=> **Customizing request generated here**

All revenues, sales deductions are defined as condition type in SD. In this step, you assign these conditions type to the corresponding CO-PA value fields.

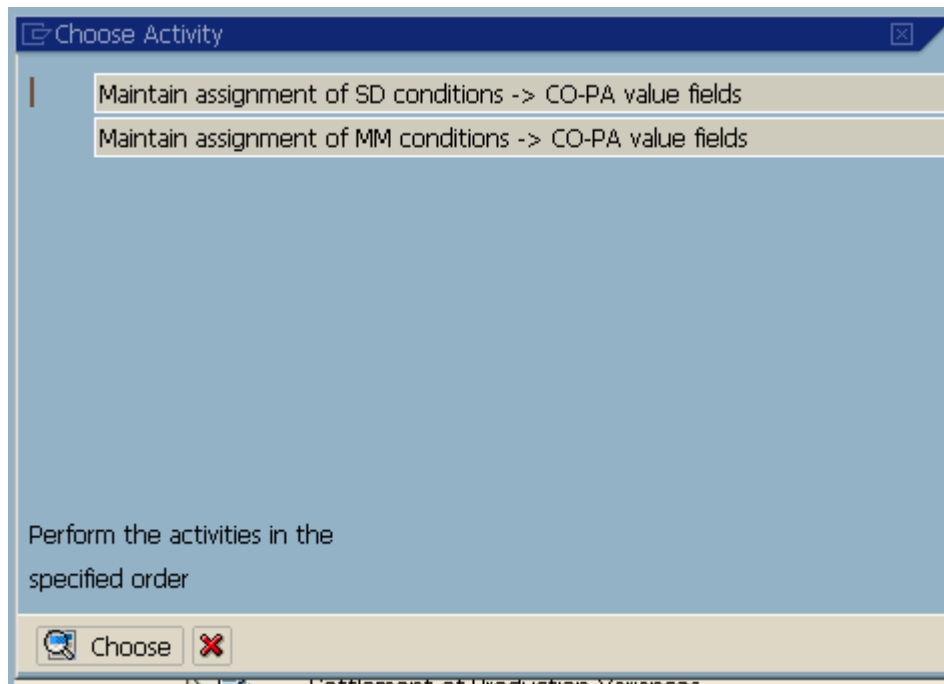
Certain limitations exist on the transfer of condition values of billing documents to CO-PA.

1. To transfer condition types for sales revenues and sales deductions to CO-PA, you need to make sure that the condition types and linked to an account in FI that is also defined as a cost element of the category "11" (revenue element) or "12" (sales deduction) in CO. These condition types must be assigned to a CO-PA value field. Condition types linked to FI accounts that are defined as cost elements of another category are not transferred to CO-PA, even when the condition type has been assigned to a CO-PA value field.
2. Condition types such as "VPRS" ("Cost") that are defined as statistical in SD are always transferred to CO-PA if they are assigned to a value field.
3. All condition types that you want to transfer to CO-PA must be active in the SD pricing

Conditions from SD are always transferred to CO-PA with "+" signs, with the exception of credit memos and returns.

Note that the indicator Transfer +/- signs is not used to compare the different use of +/- signs between FI or SD and CO-PA. If you activate this indicator, only the positive and negative values for the condition in question will be balanced. This guarantees that the sum of the negative and positive condition values is displayed as a correct total value in the value field assigned to that condition.

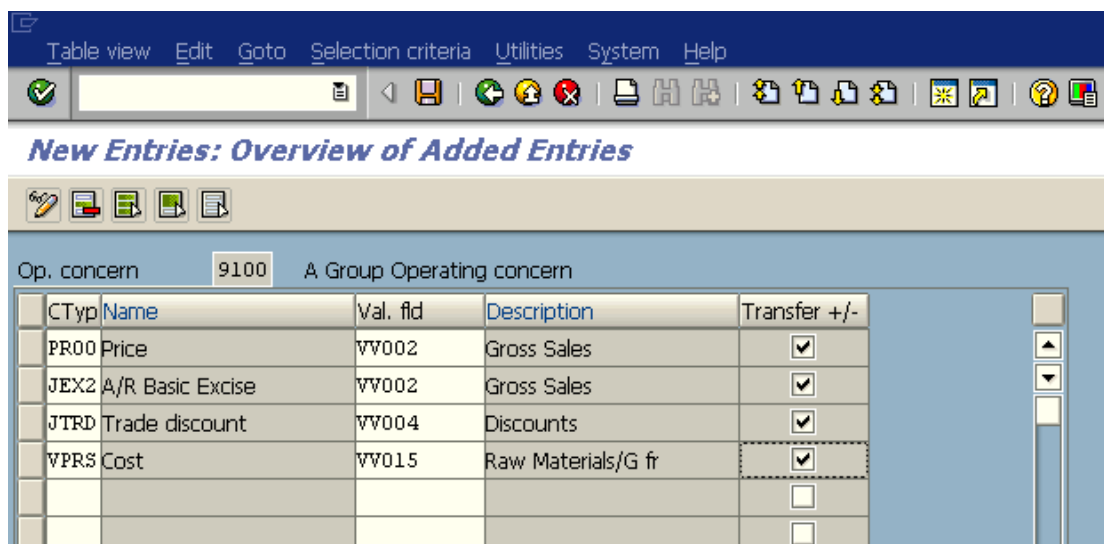




Double click **Maintain assignment of SD conditions -> CO-PA value fields**

Click on **New entries**

Update the following:-

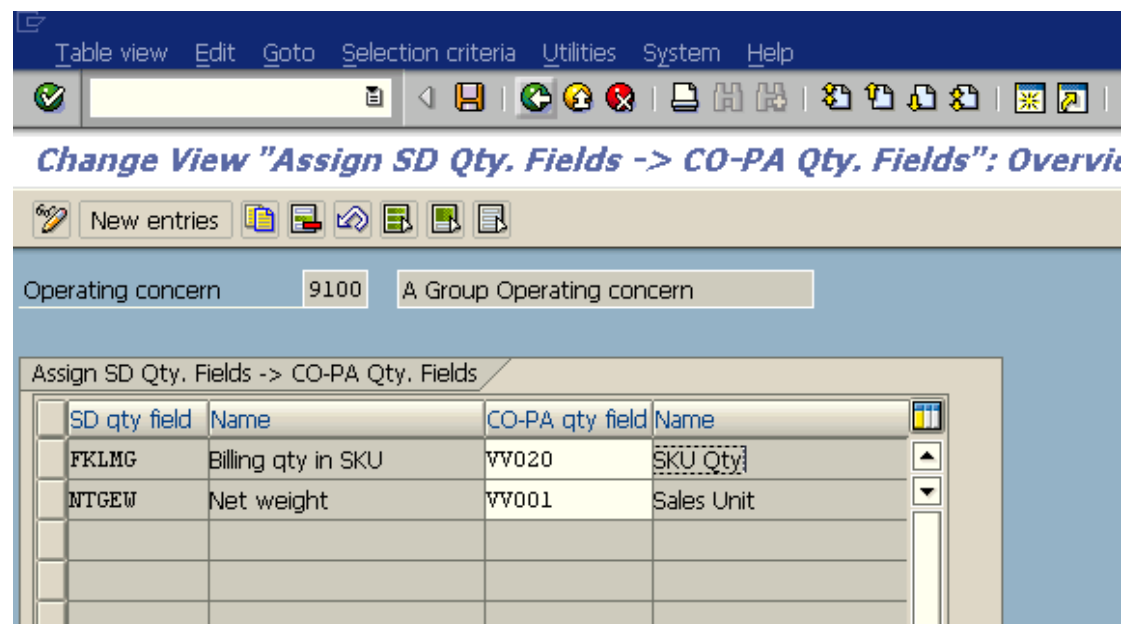


Click on 

## 4.6 Assign Quantity Fields

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Transfer of Billing Documents → Assign Quantity Fields

This step was already done in the configuration step 3.3, nevertheless we can even maintain here.



## 4.7 Maintain PA Transfer Structure for Direct Posting FI/MM (KEI2)

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
 → Direct Posting from FI/MM → Maintain PA Transfer Structure for Direct Postings

=> **Customizing request generated here**

Here you define the PA transfer structure which is used to post costs and revenues directly to profitability segments. You specify how the cost elements are to be defined to the CO-PA value fields.



Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str: FI Direct Acct Assign. fr. FI/MM  
CO area: 9100 A Grp Co Controlling area

Assignment lines

	Assignmnt	Text	Qty billed/delive...	Source assigned	Value field assigni
1		Gross Sales - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2		Discounts - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3		Other Sales adjstment FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4		Price difference - MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5		Revaluation difference -MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6		Marketing costs - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Position... Entry 1 of 6

## Select

1	Gross Sales - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	------------------	--------------------------	--------------------------	--------------------------

Double click  Source

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Details of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str FI Direct Acct Assign. fr. FI/MM

PATransStrAssig 1 Gross Sales - FI

CO area 9100 A Grp Co Controlling area

Cost element

From	To	Group
830000		

Source

☒ Costs / revenue

☐ Variances on production orders

Variance category

☐ Accounting indic. from SM orders

Accounting indicator

Double click Value fields

Click on New entries

Fixed/variable indicator (1) 3 Entries

F...	Short text
1	Fixed amounts
2	Variable amounts
3	Sum of fixed and variable amounts

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. FI Direct Acct Assign. fr. FI/MM  
 PA TransStructAssign. 1 Gross Sales - FI  
 Operating concern 9100 A Group Operating concern

Value fields

Quantity/value	F	Value fld	Name
1 Value field	3	VW002	

Position... Entry 1 of 45

Click on 

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. FI Direct Acct Assign. fr. FI/MM  
 CO area 9100 A Grp Co Controlling area

Assignment lines

Assgnmnt	Text	Qty billed/delive...	Source assigned	Value field assign
1	Gross Sales - FI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Discounts - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Other Sales adjstment FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Price difference - MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Revaluation difference -MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Marketing costs - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Position... Entry 1 of 6

Select

	Price difference - MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--	-----------------------	--------------------------	--------------------------	--------------------------

Double click Source

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Details of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str FI Direct Acct Assign. fr. FI/MM  
PATransStrAssig 4 Price difference - MM  
CO area 9100 A Grp Co Controlling area

Cost element

From	To	Group
		91PRDFIMM PRICE DIFFERENCE FI MM

Source

☒ Costs / revenue

☐ Variances on production orders  
Variance category

☐ Accounting indic. from SM orders  
Accounting indicator

Double click Value fields

Click on

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure


- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. FI Direct Acct Assign. fr. FI/MM  
 PA TransStructAssign. 4 Price difference - MM  
 Operating concern 9100 A Group Operating concern

Value fields

Quantity/value	F	Value fld	Name
1 Value field	3	VW026	

Position... Entry 1 of 45

Click on 

Similarly you can assign other source and value fields

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. FI Direct Acct Assign. fr. FI/MM  
 CO area 9100 A Grp Co Controlling area

Assignment lines

Assgnmnt	Text	Qty billed/delive...	Source assigned	Value field assign
1	Gross Sales - FI	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Discounts - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Other Sales adjstment FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Price difference - MM	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Revaluation difference -MM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Marketing costs - FI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Position... Entry 1 of 6



## 4.8 Automatic Account Assignment (OKB9)

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Direct Posting from FI/MM → Automatic Account Assignment

=> **Customizing request generated here**

Automatic postings created in Materials Management, can be passed on to Profitability Analysis (CO-PA) by means of an automatic assignment to a profitability segment.

In Profitability Analysis, the documents are updated to the profitability segments generated according to the characteristic values found in the corresponding Financial Accounting (FI) document.

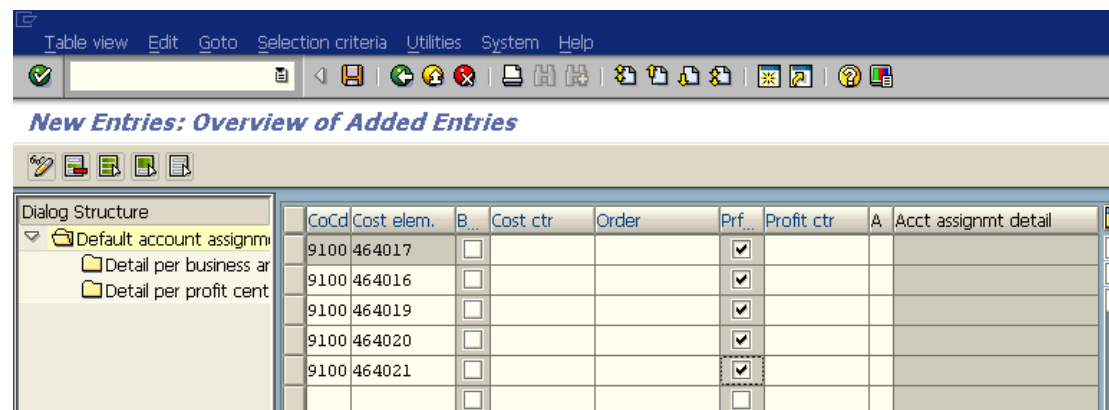
Typical business transactions for which it makes sense to have a profitability segment found automatically include

- The transfer of price differences that are posted in purchasing due to differing order prices or differing prices in invoice receipt
- The transfer of expenses or revenues that arise due to a revaluation of material stocks
- The transfer of inventory differences


Click on

New entries

Update the following:-



CoCd	Cost elem.	B...	Cost ctr	Order	Prf...	Profit ctr	A	Acct assignmt detail
9100	464017	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
9100	464016	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
9100	464019	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
9100	464020	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
9100	464021	<input type="checkbox"/>			<input checked="" type="checkbox"/>			
		<input type="checkbox"/>			<input type="checkbox"/>			

Click on 

## 4.9 Define PA Transfer Structure for Variance Settlement

IMG → Controlling → Profitability Analysis → Flows of Actual Values → Settlement of Production Variances → Define PA Transfer Structure for Variance Settlement

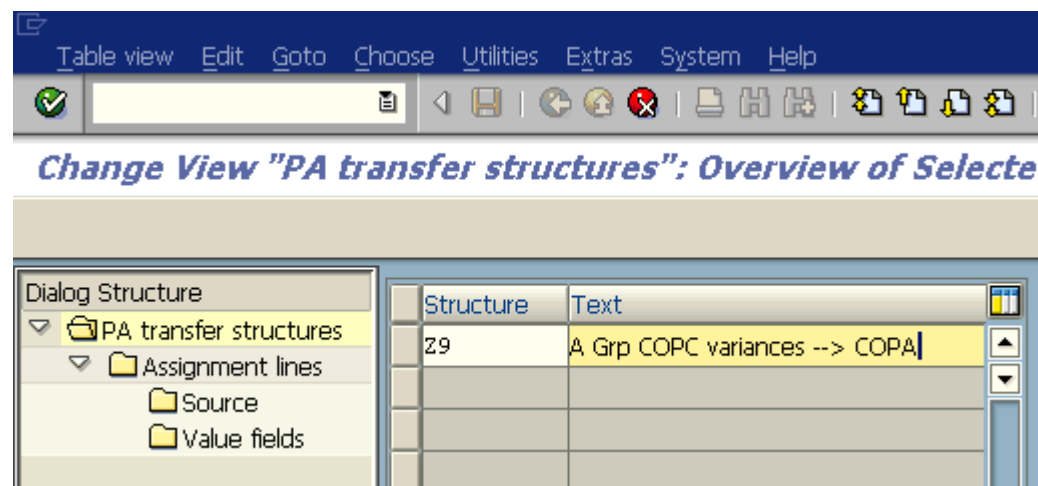
=> **Customizing request generated here**

Here you define a transfer structure for transferring production variances during the settlement of production orders.

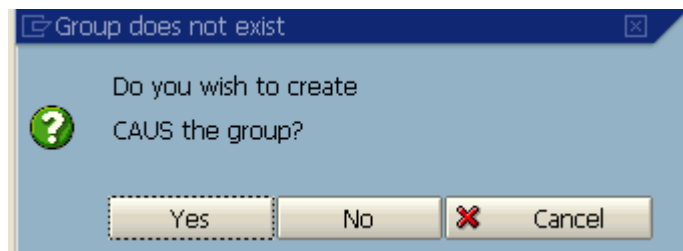
When variances are calculated in Cost Object Controlling (CO-PC), on production order, you transfer these variances - differentiated by cost element and variance category - to value fields in CO-PA.

Select  Settle production variances and click 

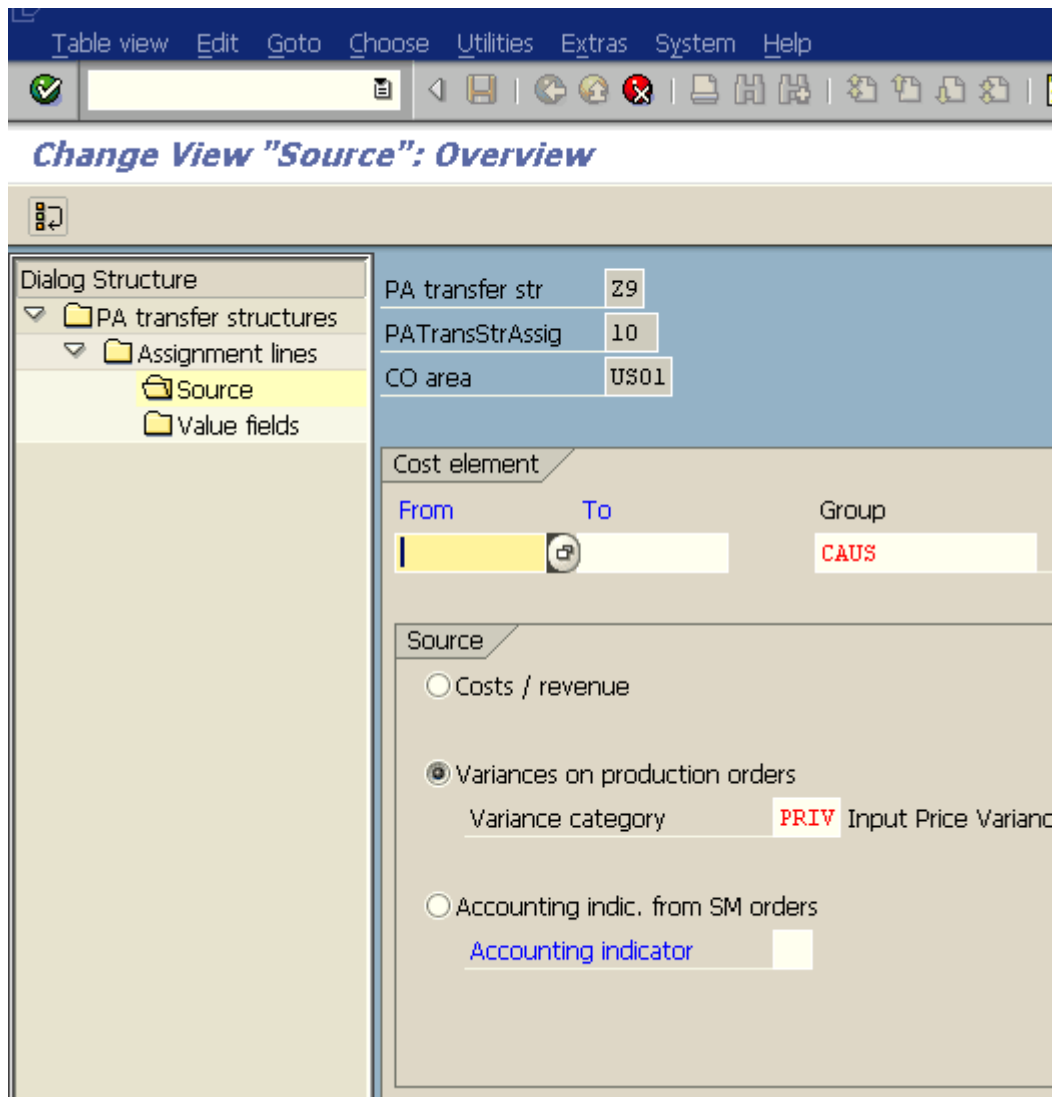
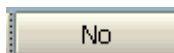
Change the description as follows:-



Click 



Click



Remove CAUS

Table view Edit Goto Choose Utilities Extras System Help

Change View "Source": Overview

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str Z9

PATransStrAssig 10

CO area US01

Cost element

From	To	Group

Source

☐ Costs / revenue

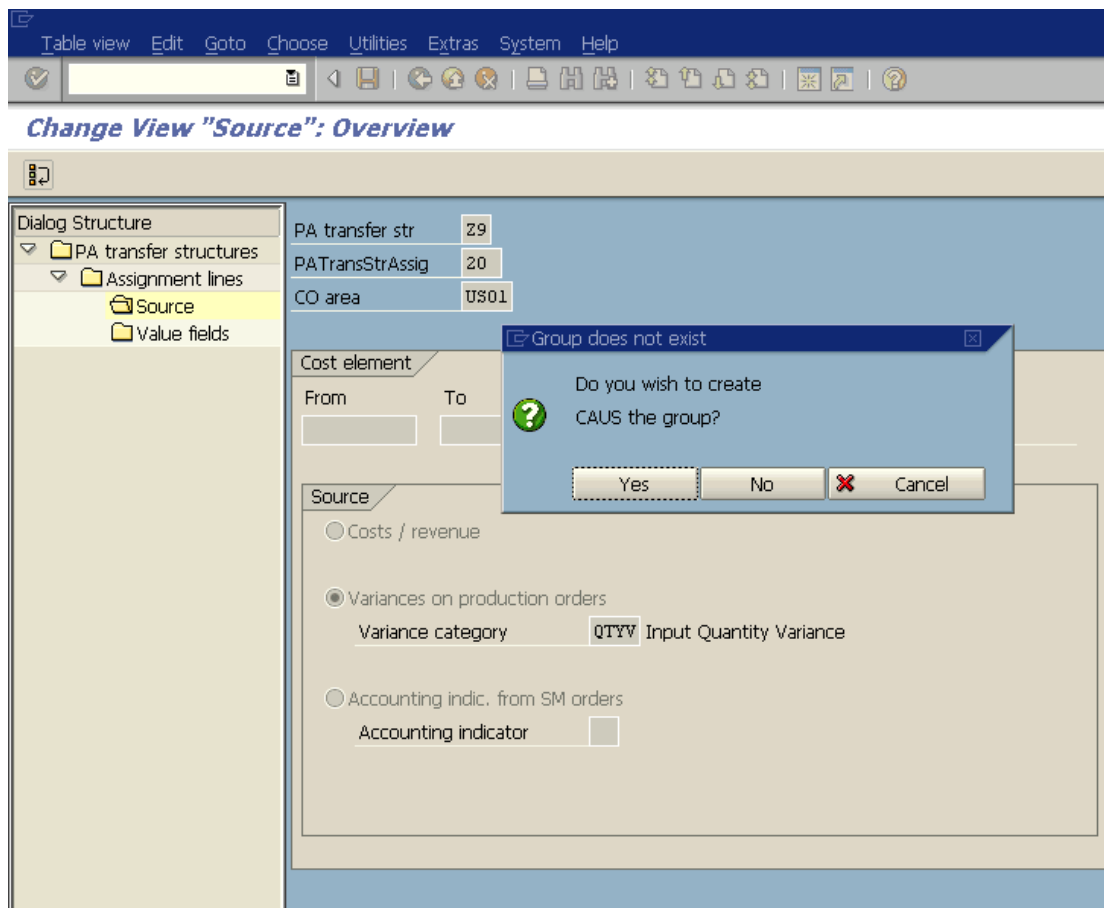
☒ Variances on production orders

Variance category **PRIV** Input Price Variance

☐ Accounting indic. from SM orders

Accounting indicator

Click 



Similarly do for all PA transStr Assig

Finally you will get the following screen



File Edit View Window Help

Change View "Assignment lines": Overview

New entries [Icons] Variable list [Icon]

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str: 29 A Grp COPC variances --> COPA

CO area: 9100 A Grp Co Controlling area

Assignment lines

Assgnmnt	Text	Qty billed/delive...	Source assigned	Value field assign
10	Input price variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	Input quantity variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Resource-usage variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	Remaining input variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	Mixed-price variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	Output price variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	Lot size-/fixed-cost variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	Remaining variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	Scrap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Position... Entry 1 of 9

Double click  Source

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Details of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str	Z9	A Grp COPC variances --> COPA
PATransStrAssig	10	Input price variance
CO area	9100	A Grp Co Controlling area

Cost element

From	To	Group

Source

☒ Costs / revenue

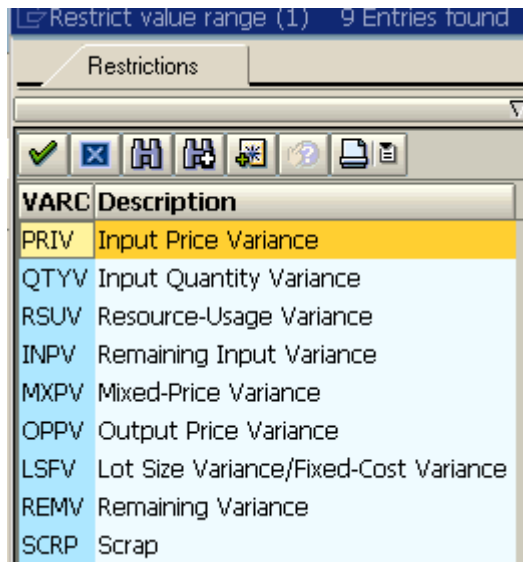
☐ Variances on production orders  
Variance category

☐ Accounting indic. from SM orders  
Accounting indicator

☒ Variances on production orders  
Variance category

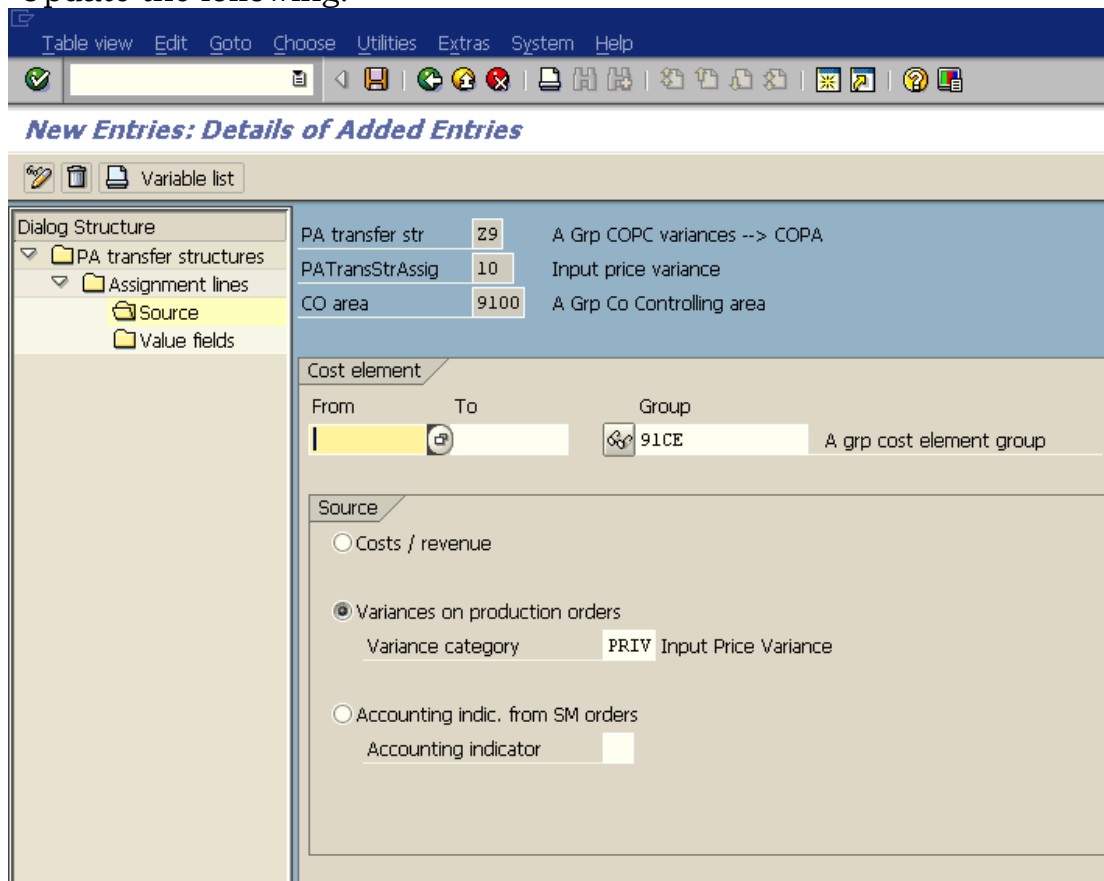
Click on





Select

Update the following:-



Double click Value fields

Click on New entries

Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Overview of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. Z9 A Grp COPC variances --> COPA  
 PA TransStructAssign. 10 Input price variance  
 Operating concern 9100 A Group Operating concern

Value fields

Quantity/value	F	Value fld	Name
1 Value field	3	VV023	

Position... Entry 1 of 45

Click on 

Table view Edit Goto Choose Utilities Extras System Help

**Change View "Assignment lines": Overview**

New entries Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str. Z9 A Grp COPC variances --> COPA  
 CO area 9100 A Grp Co Controlling area

Assignment lines

Assgnmnt	Text	Qty billed/delive...	Source assigned	Value field assign
10	Input price variance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Input quantity variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Resource-usage variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	Remaining input variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50	Mixed-price variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60	Output price variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
70	Lot size-/fixed-cost variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
80	Remaining variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
90	Scrap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Position... Entry 1 of 9

Select

20	Input quantity variance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
----	-------------------------	--------------------------	--------------------------	--------------------------

Double click

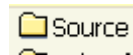


Table view Edit Goto Choose Utilities Extras System Help

**New Entries: Details of Added Entries**

Variable list

Dialog Structure

- PA transfer structures
  - Assignment lines
    - Source
    - Value fields

PA transfer str	29	A Grp COPC variances --> COPA
PATransStrAssig	20	Input quantity variance
CO area	9100	A Grp Co Controlling area

Cost element

From	To	Group
		91CE A grp cost element group

Source

☐ Costs / revenue

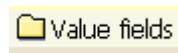
☒ Variances on production orders

Variance category QTYV Input Quantity Variance

☐ Accounting indic. from SM orders

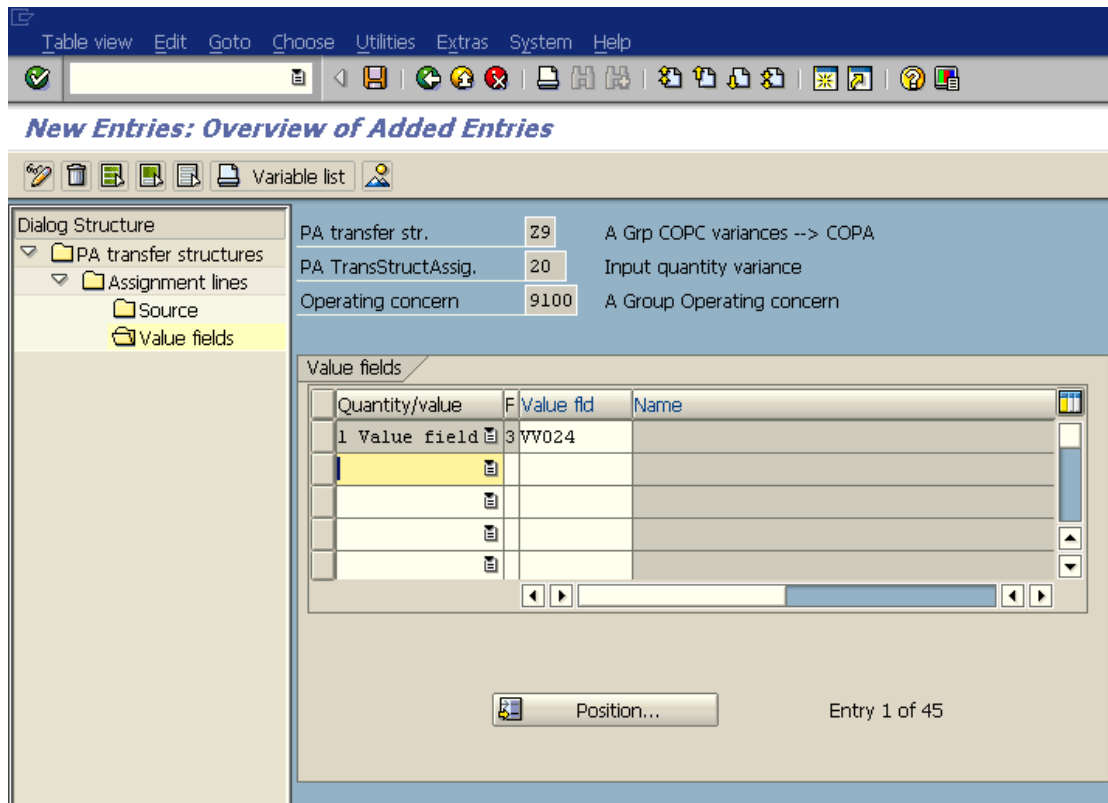
Accounting indicator


Double click

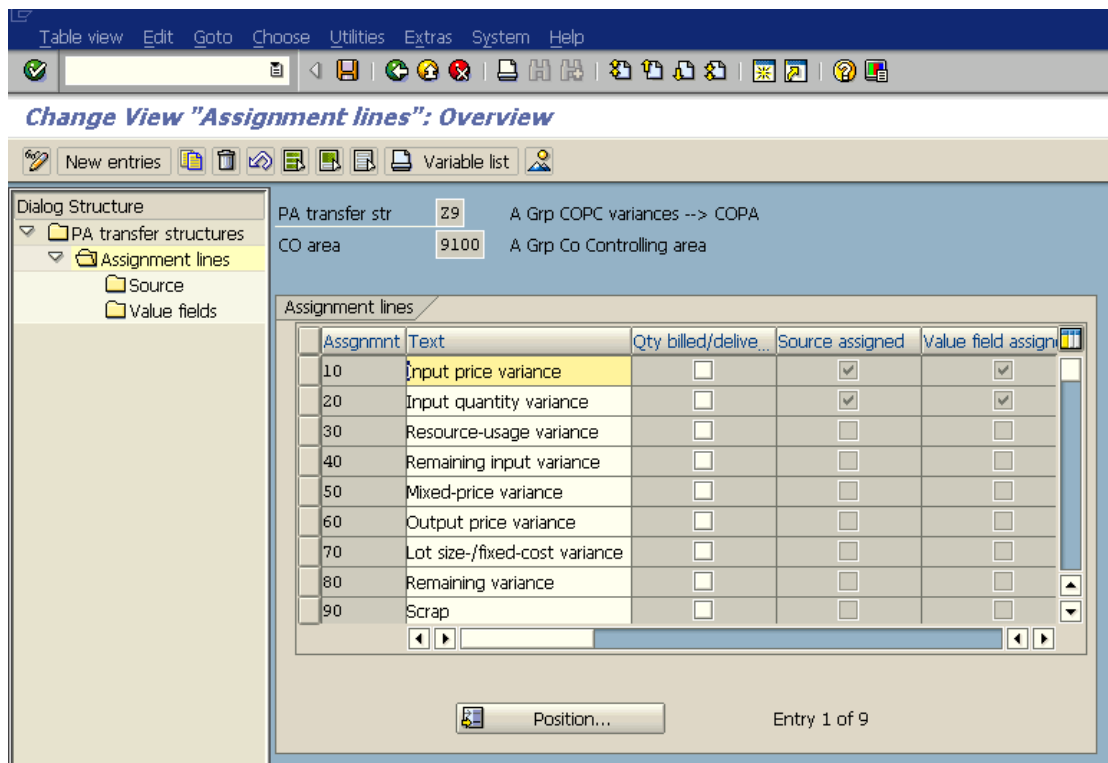


Click on

New entries



Click on 



Similarly you can assign variance categories and cost element to various value fields for the remaining assignment lines.

## 4.10 Assign PA Transfer Structure to Settlement Profile

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Settlement of Production Variances → Assign PA Transfer  
Structure to Settlement Profile

=> **Customizing request generated here**

**Assign PA transfer structure Z9 to settlement profile PP01**

The screenshot shows the 'Change View "Settlement Profile": Details' window in SAP. The 'Settlement profile' is PP01 and the 'Production order' is selected. The 'Actual costs/cost of sales' section has 'To be settled in full' selected. The 'Default values' section shows 'PA transfer str.' set to Z9. The 'Indicators' section has '100%-validation', '%-Settlement', 'Equivalence numbers', and 'Variances to costing-based PA' checked. The 'Valid receivers' list includes G/L account, Cost center, Order, WBS element, Fixed asset, Material, Network, Profit. segment, Sales order, Cost objects, Order item, Business proc., and Real est. object. The 'Other parameters' section shows 'Document type' as SA, 'Max.no.dist.rls' as 3, and 'Residence time' as 3.


Actual costs/cost of sales	
<input checked="" type="radio"/> To be settled in full	
<input type="radio"/> Can be settled	
<input type="radio"/> Not for settlement	

Default values	
Allocation structure	
PA transfer str.	Z9
Default object type	
Source structure	

Indicators	
<input checked="" type="checkbox"/> 100%-validation	
<input checked="" type="checkbox"/> %-Settlement	
<input checked="" type="checkbox"/> Equivalence numbers	
<input type="checkbox"/> Amount settlement	
<input checked="" type="checkbox"/> Variances to costing-based PA	

Valid receivers	
G/L account	
Cost center	1
Order	1
WBS element	1
Fixed asset	
Material	1
Network	
Profit. segment	1
Sales order	1
Cost objects	1
Order item	1
Business proc.	
Real est. object	

Other parameters	
Document type	SA
Max.no.dist.rls	3
Residence time	3

Click on 

## 4.11 Maintain Characteristic Groups


IMG → Controlling → Profitability Analysis → Flows of Actual Values  
→ Initial Steps → Characteristic Groups → Maintain Characteristic Groups

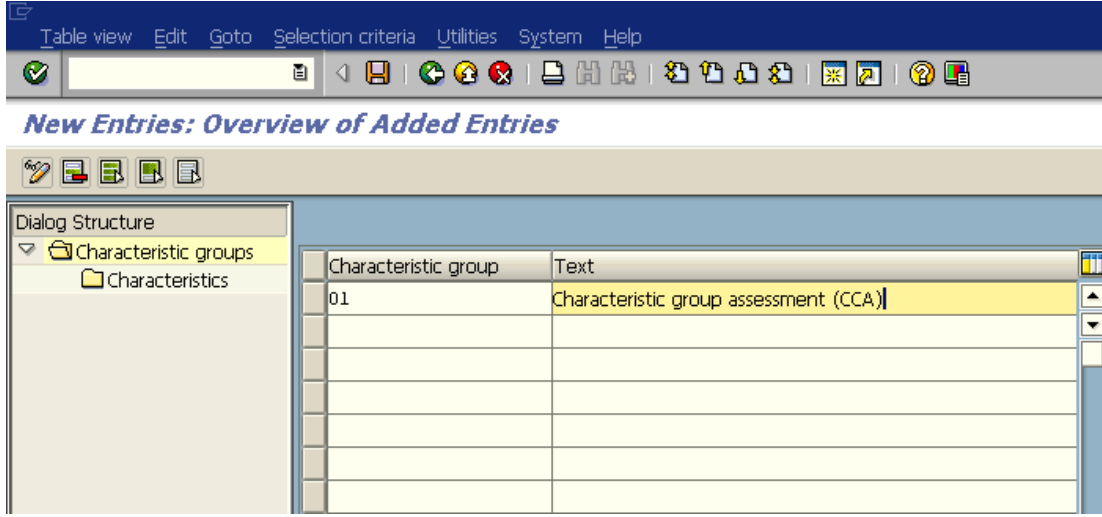
=> **Customizing request generated here**

Here you define "characteristic groups", which can be any combination of characteristics in operating concern.


A characteristic group determines the characteristics for which users can specify individual values when assigning a posting to a profitability segment, as well as the order in which these characteristics appear on the screen.

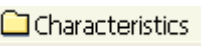
You can also define whether the user is required or is allowed to specify values for certain characteristics, or whether the user cannot make an entry.

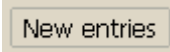
Click on 



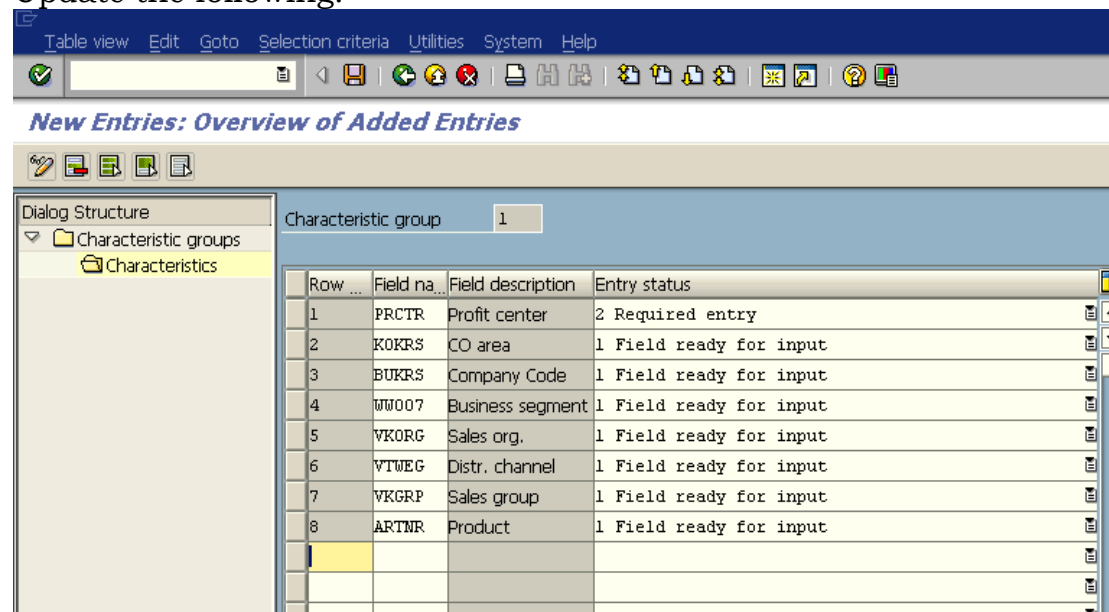
Characteristic group	Text
01	Characteristic group assessment (CCA)


Select 

Double click 

Click on 

Update the following:-



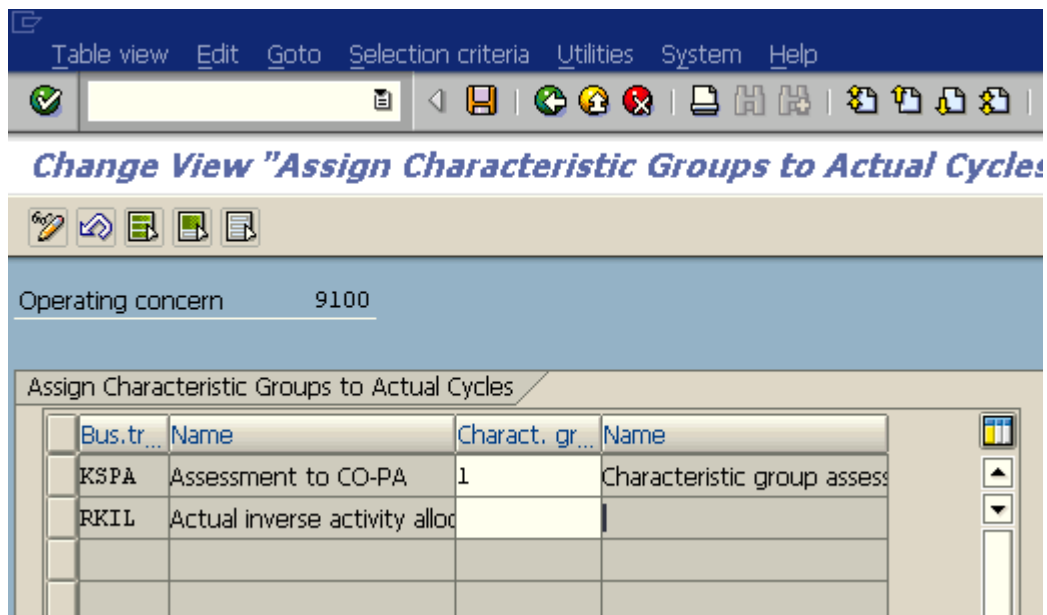
Click on 

## 4.12 Assign Characteristic Groups to Actual Cycles

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
 → Transfer of Overhead → Initial Steps → Assign Characteristic  
 Groups to Actual Cycles

=> **Customizing request generated here**

**Update the characteristic group 1 to bus. Trans. KPA**



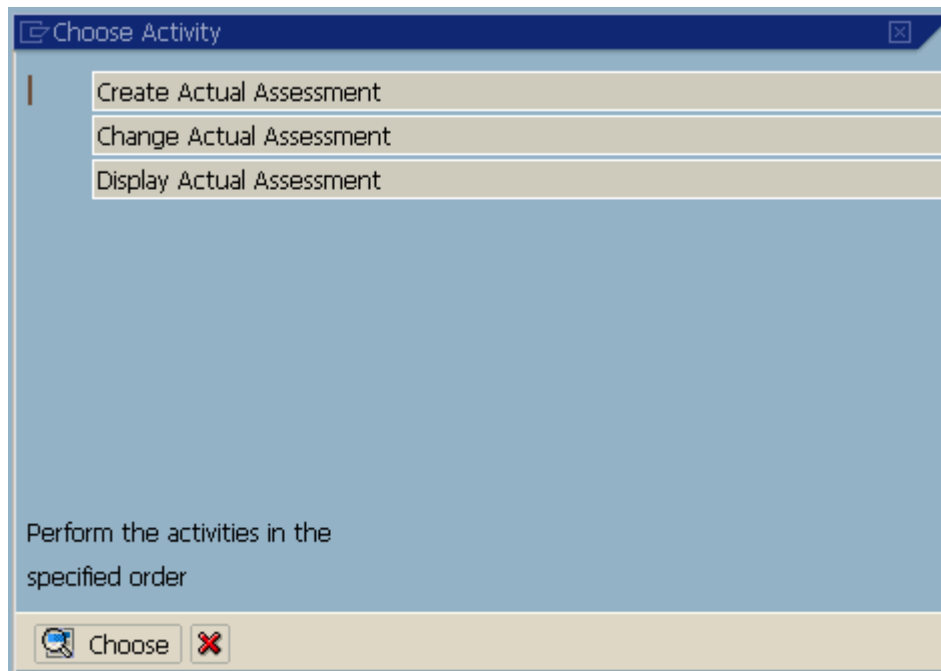
Click on 

#### 4.13 Assess Cost Center Costs / Process Costs

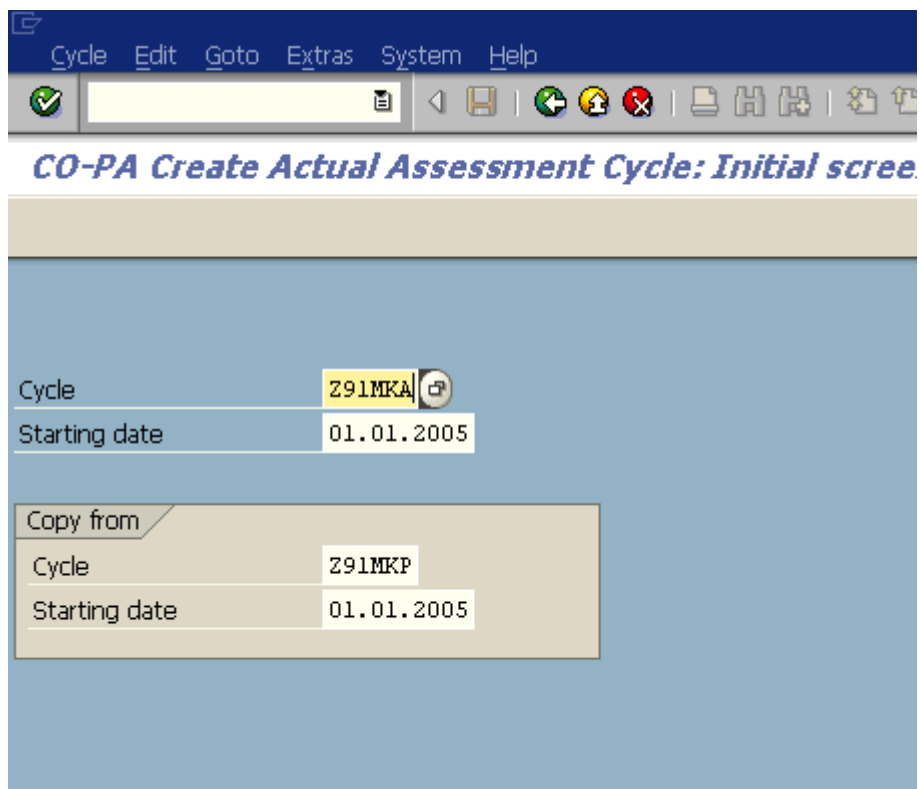
IMG → Controlling → Profitability Analysis → Flows of Actual Values  
 → Transfer of Overhead → Assess Cost Center Costs / Process Costs  
 → Define Structure of Cost Center Assessment/Process Cost Assessment

Here we define Actual assessment cycles for allocation actual costs from cost center to Profitability analysis. You can copy plan assessment cycles to create actual assessment cycles. We are copying planned assessment cycle to actual assessment cycle.





Double click **Create Actual Assessment**



CO-PA Create Actual Assessment Cycle: Header Data

First segment Attach segment

Operating concern	9100	A Group Operating concern	Status	new
Cycle	Z91MKA			
Starting date	01.01.2005	To	31.12.2005	
Text	§1; VV051;Marketing costs			
Indicators				
<input checked="" type="checkbox"/> 2 Sender select. type <input type="checkbox"/> Aggreg. tracing factor				
Preset selection criteria				
CO area	9100	A Grp Co Controlling area		
TF basis	1	Costing-based Profitability An		

Click

**Change segment name from Z91MKP0001 to Z91MKA0001**

CO-PA Create Actual Assessment Cycle: Segment

Operating concern: 9100 A Group Operating concern

Cycle: Z91MKA 51; VV051;Marketing costs

Segment name: Z91MKA0001 51;VV051;Marketing costs ☐ Lock indicator

Segment hdr | Sender/receiver | Recvr tracing factor

Assessment CElem: 960510 Marketing costs


Fixed value field: VV051

Val.fld vbl cst: VV051

Alloc.structure: ☐


PA transfer struct.: ☐

Sender values

Rule: 1 Posted amounts 

Share in %: 100.00

Receiver tracing factor

Rule: 3 Fixed percentages 

**Here in receiving tracing factors you can have various options**

- 1 Variable portions
- 2 Fixed amounts
- 3 Fixed percentages
- 4 Fixed portions

## Variable portions will have variable key figures

R	Data field defin...	Row text
004	VV001	Sales Unit
005	VV002	Gross Sales
006	VV003	Returns
007	VV004	Discounts
008	VV014	Other Sales adjusts
009	VV015	Raw Materials/G fr
010	VV016	Mfg. cost variable
011	VV017	Vol. Var. Prod. CC
012	VV019	Mfg. cost fixed
013	VV020	SKU Qty
014	VV023	Price var. Prod. ord
015	VV024	Other Var Prod. Ord
016	VV026	Val.diff in stocks
017	VV051	Marketing costs
018	VV057	Research & Developme

CO-PA Create Actual Assessment Cycle: Segment

Operating concern: 9100 A Group Operating concern

Cycle: Z91MKA 51; VV051;Marketing costs

Segment name: Z91MKA0001 51;VV051;Marketing costs ☐ Lock indicator

Segment hdr Sender/receiver Recvr tracing factor

	From	To	Group
<b>Sender</b>			
Cost center	9119000		
Cost element			
<b>Receiver</b>			
Profit center			11
Company Code			
Business segmen	01		
Sales org.			
Distr. channel			
Sales group	EC1		
Product			

CO-PA Create Actual Assessment Cycle: Segment


Operating concern: 9100 A Group Operating concern  
 Cycle: Z91MKA 51; VV051;Marketing costs  
 Segment name: Z91MKA0001 51;VV051;Marketing costs ☐ Lock indicator

Segment hdr Sender/receiver Recvr tracing factor

Receivers

Profit ctr BusSGrp			Portion/percent
1101	01	EC1	50.00
1102	01	EC1	40.00

Entry 1 of 2 Total 100.00

Click on 

#### 4.14 Activate Profitability Analysis

IMG → Controlling → Profitability Analysis → Flows of Actual Values  
 → Activate Profitability Analysis

=> **Customizing request generated here**

**Here you activate the interface to Profitability analysis for the controlling area 9100.  
Check the controlling area settings before activating the indicator:-**

The screenshot shows the SAP 'Change View' interface for 'Activate components/control indicators'. The title bar reads 'Change View "Activate components/control indicators": Details'. The left sidebar shows a tree structure with 'Controlling area' expanded, containing 'Basic data', 'Activate component:', and 'Assignment of comp:'. The main area displays the following data:

Controlling area	9100	A Grp Co Controlling area
Fiscal year	2003	to 9999

Below this, there are two sections: 'Activate components' and 'Other indicators'.

**Activate components:**

Cost centers	1 Component active
AA: Activity type	<input checked="" type="checkbox"/>
Order management	1 Component active
Commitments mgt	1 Components active
ProfitAnalysis	Component not active
Acty-Based Costing	Component not active

**Other indicators:**

Profit center	<input checked="" type="checkbox"/>
Projects	<input checked="" type="checkbox"/>
Sales orders	<input checked="" type="checkbox"/>
Cost objects	<input checked="" type="checkbox"/>
Real estate mgmt	<input type="checkbox"/>
W. commt management	<input type="checkbox"/>
All currencies	<input checked="" type="checkbox"/>
Variances	<input type="checkbox"/>
CompCode validation	<input checked="" type="checkbox"/>


**Take a drop in the field active status and select 2**

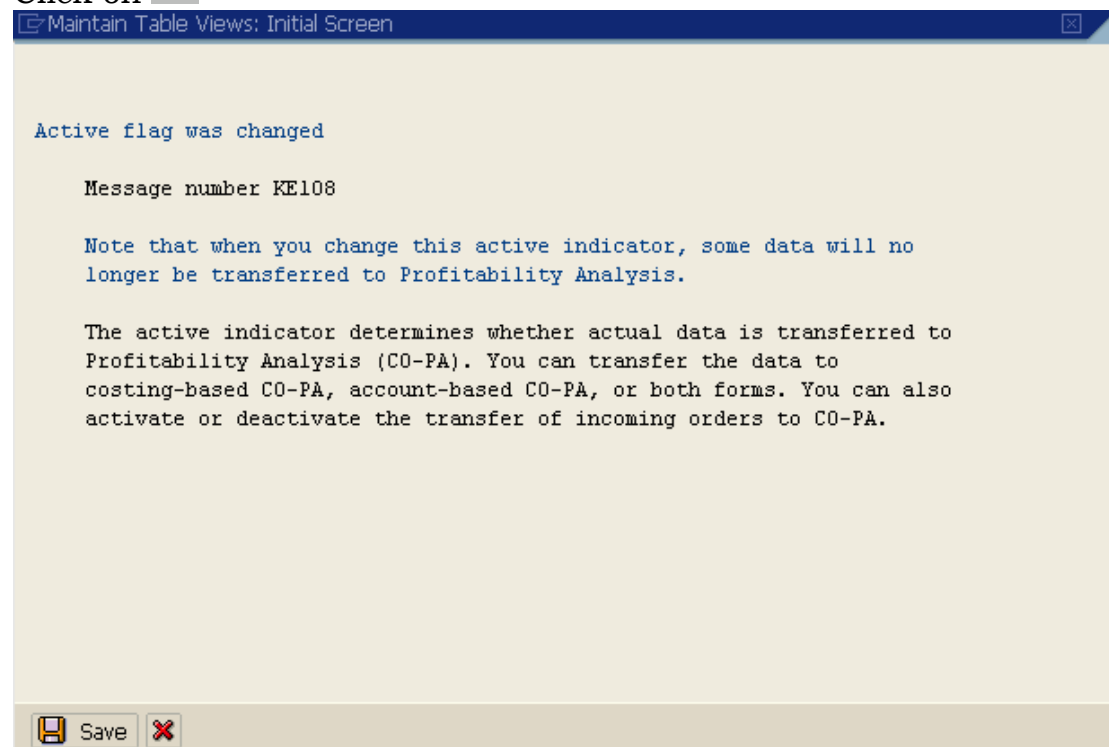
The screenshot shows a dropdown menu titled 'Profitability analysis active (1) 2 Entries found'. The menu is open, showing two options:

PA	Short text
1	Component not active
2	Component active for costing-based Profitability Analysis

The screenshot shows the SAP 'Change View' interface for 'CO-PA: Active Flag for Profitability Analysis'. The title bar reads 'Change View "CO-PA: Active Flag for Profitability Analysis": Overview'. The main area displays a table with the following data:

COAr	Name	From FY	Op.c...	Active status
9100	A Grp Co Controlling area	2003	9100	2

Click on 



Click on  Save

Now again check the controlling area settings after activating the indicator.

Table view Edit Goto Selection criteria Utilities System Help

Change View "Activate components/control indicators": Details

New entries

Controlling area

Basic data

Activate components

Assignment of comp:

Controlling area 9100 A Grp Co Controlling area

Fiscal year 2003 to 9999

Activate components

Cost centers 1 Component active

☒ AA: Activity type

Order management 1 Component active

Commitments mgt 1 Components active

ProfitAnalysis 2 Component active for costing-based Profitability Analysis

Acty-Based Costing Component not active

☒ Profit center

☒ Projects

☒ Sales orders ☐ W. commt management

☒ Cost objects

☐ Real estate mgmt

Other indicators

☒ All currencies

☐ Variances

☒ CompCode validation

## 5. Information system

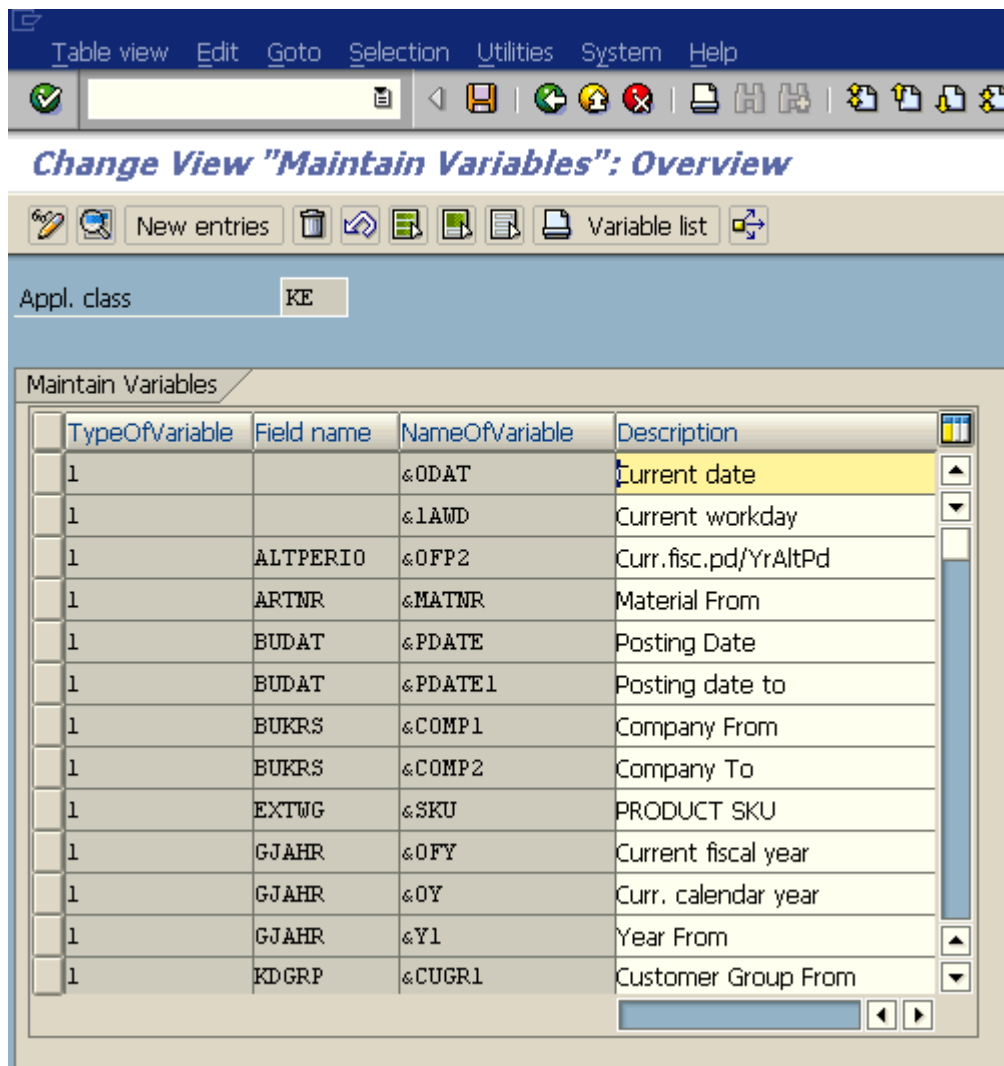
### 5.1 Define Variables for Reports

IMG → Controlling → Profitability Analysis → Information System → Report Components → Define Variables for Reports

Here you can define variables for your information system. Variables allow you more flexibility in defining your forms and reports. Variables are the parameters in a report which you do not specify until you create or execute the report. The user specifies these parameters by filling the appropriate fields. If you do not wish to define variables globally, you can define them directly as local variables in the form or in the report.

We just check the existing variables available.

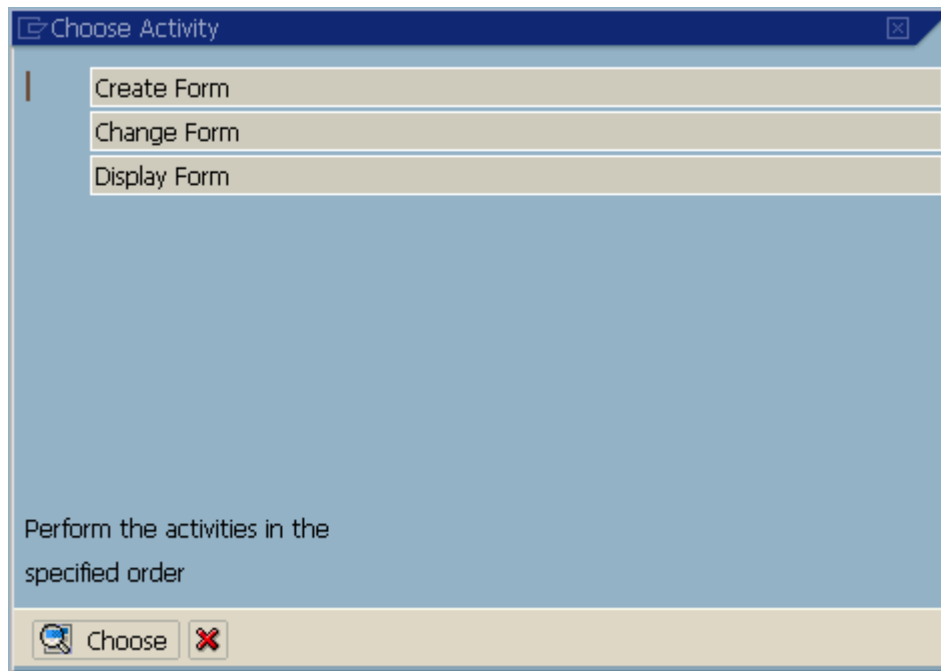




## 5.2 Define Forms for Profitability Reports (KE34)

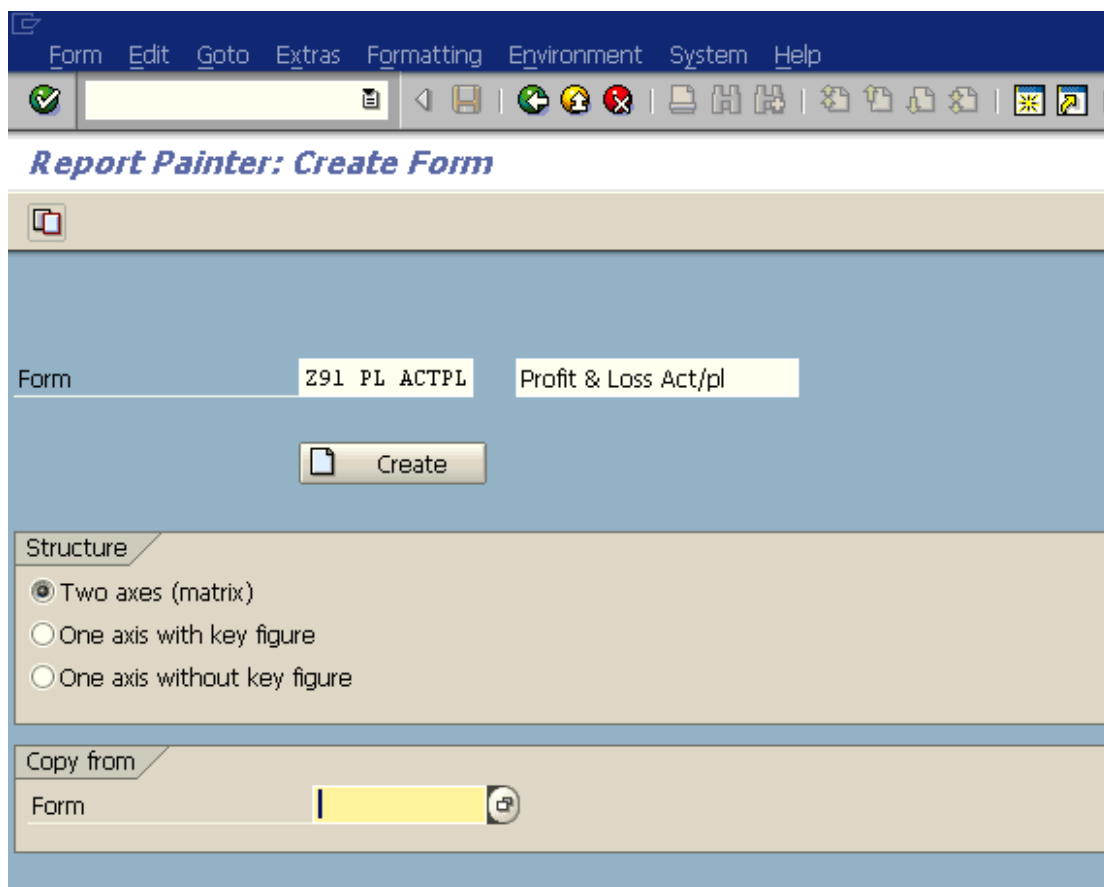
IMG → Controlling → Profitability Analysis → Information System → Report Components → Define Forms for Profitability Reports (KE34)

A form is a formal structure of rows and columns which you can use in as many reports as you wish in the same operating concern. A form represents the content and the formal structure of a report.



**Double click** Create Form

**Update the following:-**





Create

Choose Currencies

☒ Operating concern currency

☐ Operating concern currency /Company code currency

**Select**

Choose Currencies

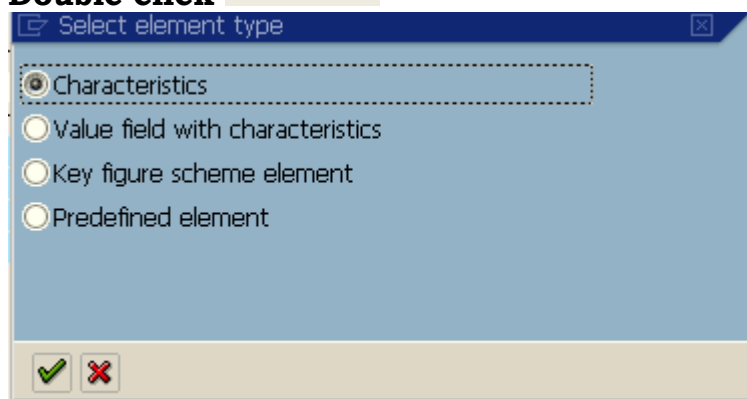
☐ Operating concern currency

☒ Operating concern currency /Company code currency

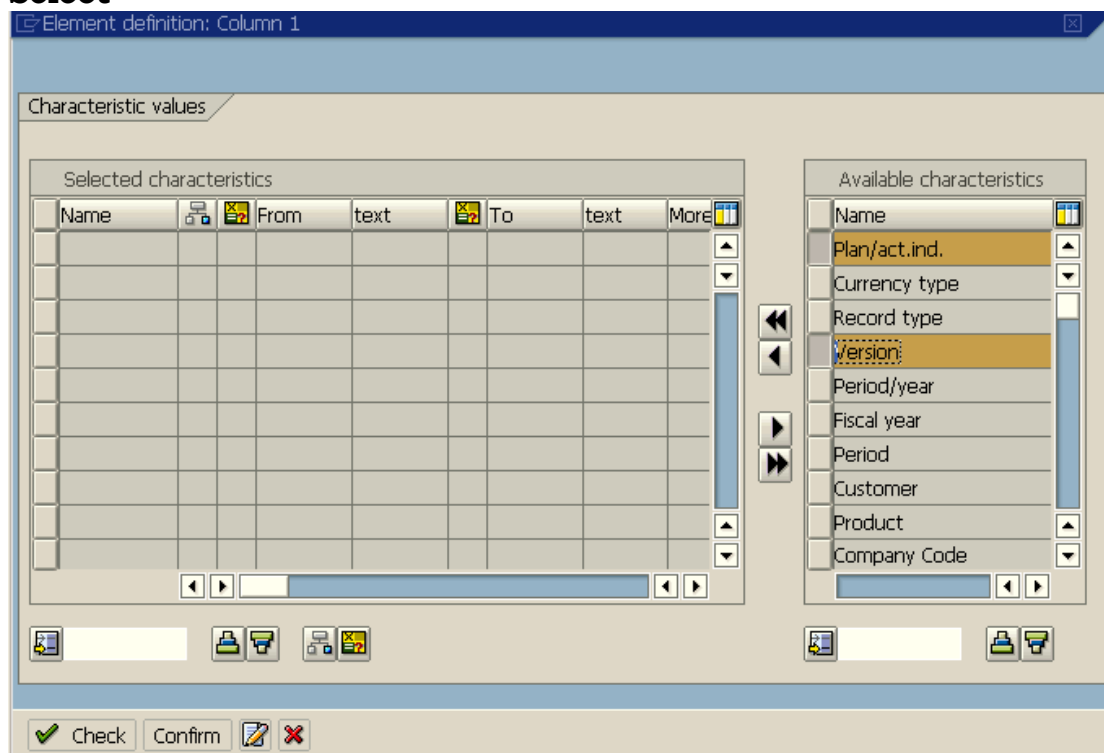
☐ ☐

[illegible]

## Double click Column 1



## Select







## Click

Variable selection

Characteristic Version





Local variable VER

Operator  Offset

**Take a drop down in Plan/act. Ind**

Plan/act. indicator

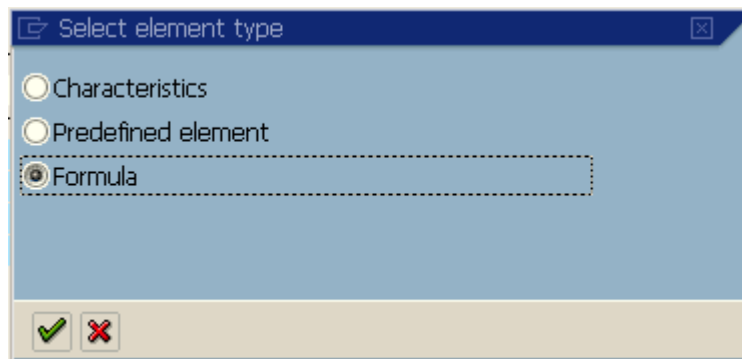
... Short text

0 Actual data

1 Planning data





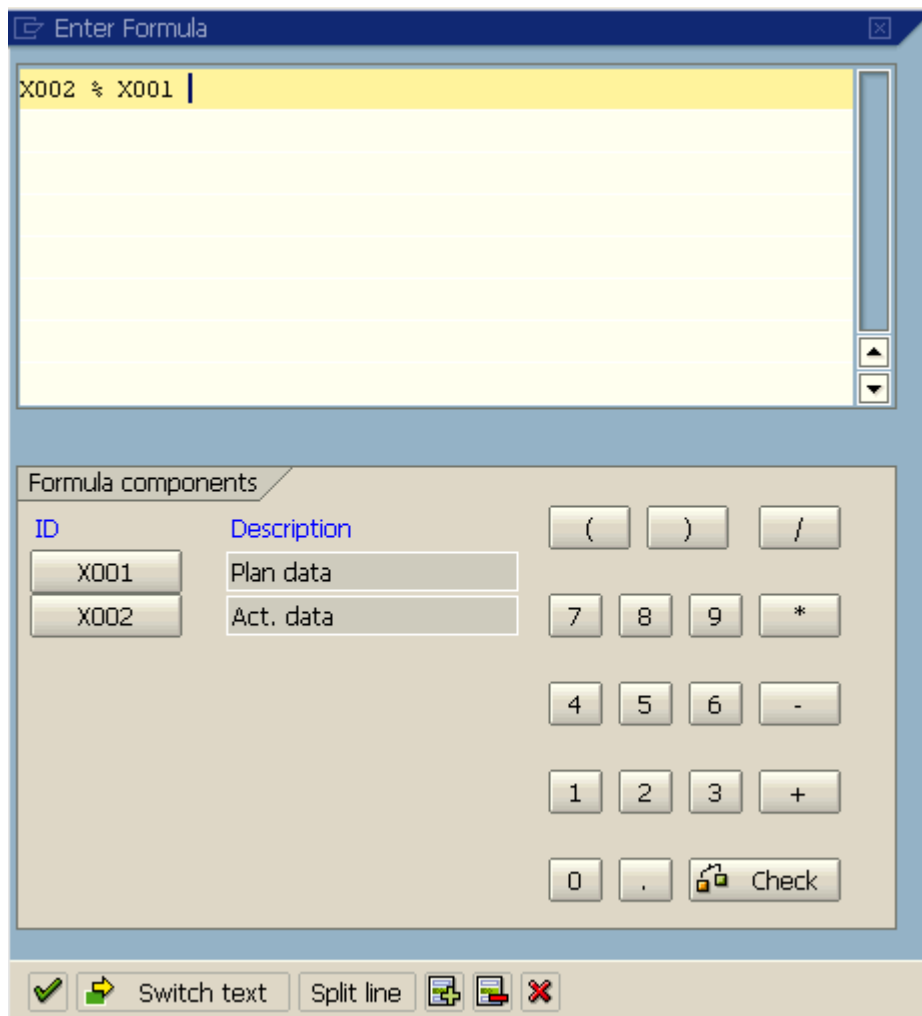


Double click

Type %

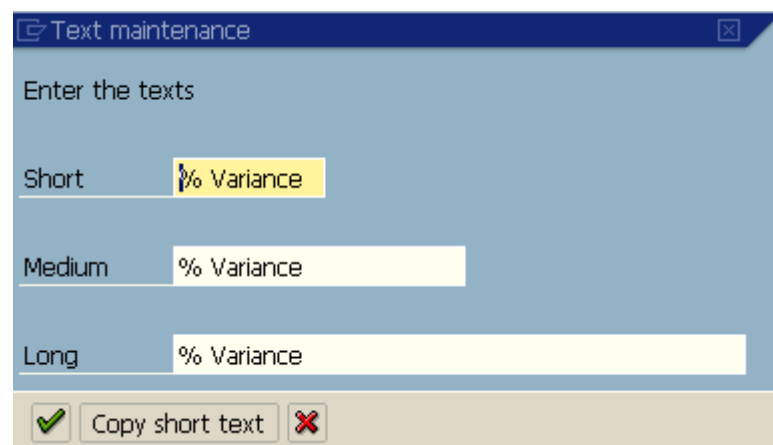
Double click

Click  Check





Click 



Text maintenance

Enter the texts

Short

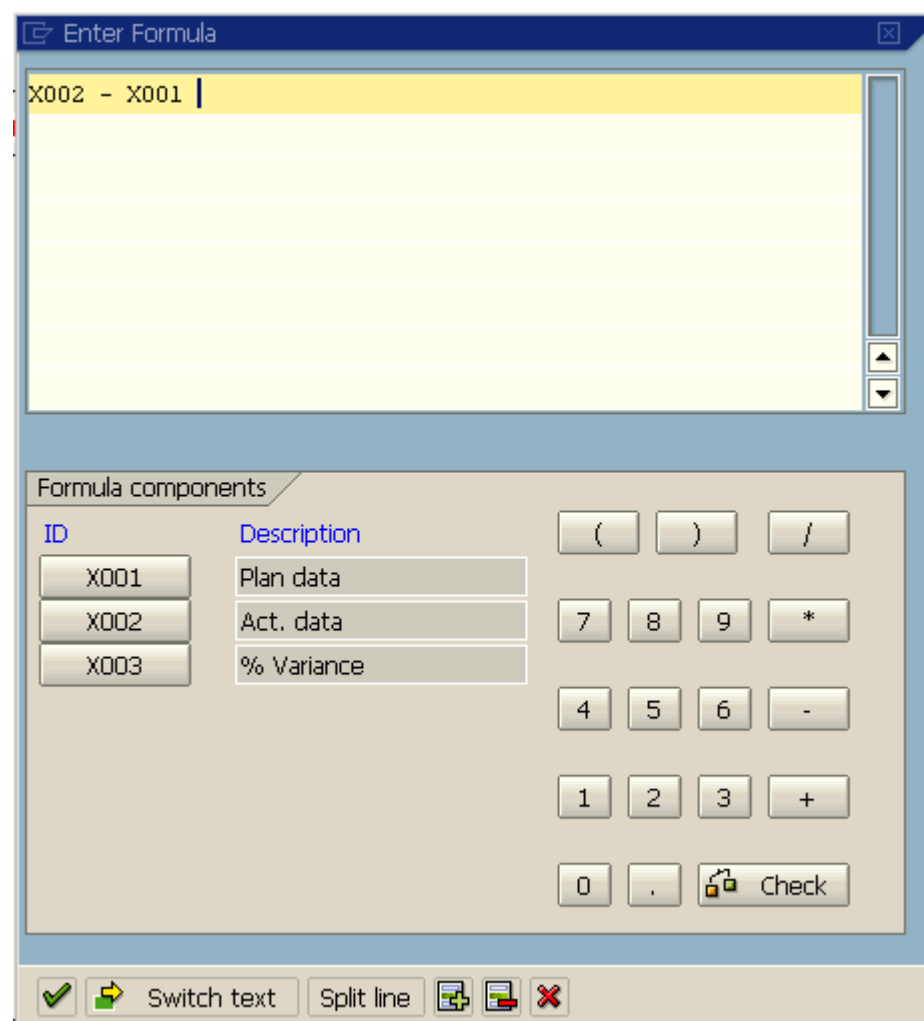
Medium

Long

☒ Copy short text ☐

**Double click column 4**

**Select formula**



Enter Formula

X002 - X001

Formula components

ID	Description
X001	Plan data
X002	Act. data
X003	% Variance

( ) /

7 8 9 \*

4 5 6 -

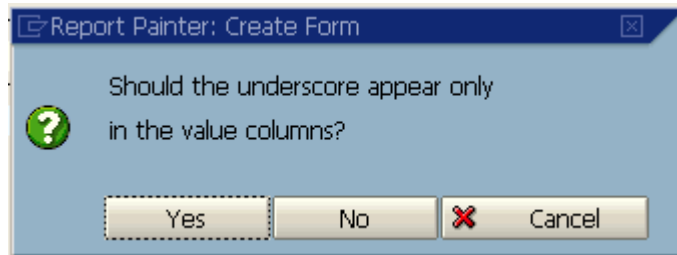
1 2 3 +

0 . Check

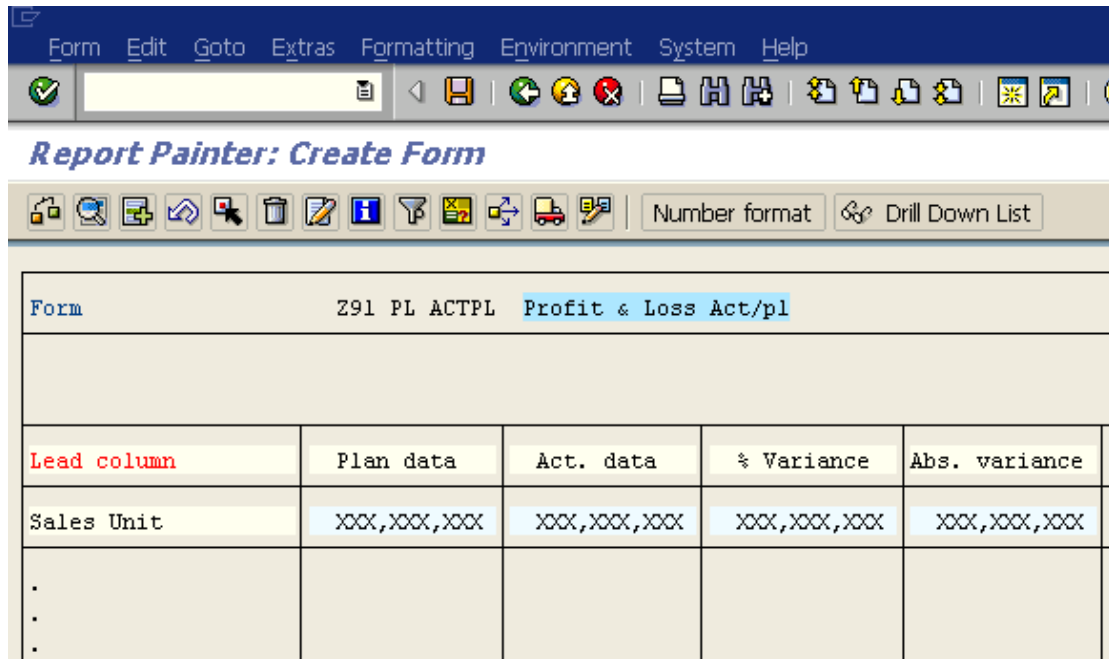
☒ Switch text Split line ☐



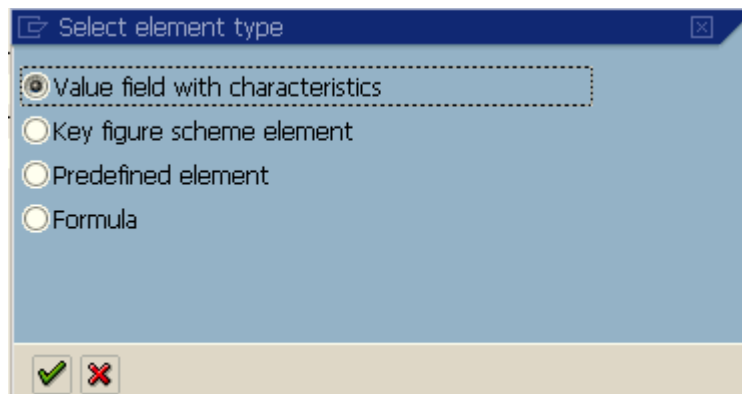




**Click No**



**Now double click on the row below the new line**



**Select in value field Gross sales**

Element definition: Gross Sales

Value field: Gross Sales

Characteristic values

Selected characteristics							
Name	From	text	To	text	More		

Available characteristics	
Name	
Brand-SKU	
Business segment	
Business Field	
Unit Sales Unit	
Unit SKU Qty	

Check Confirm

Click Confirm

Form Edit Goto Extras Formatting Environment System Help

Report Painter: Create Form

Number format Drill Down List

Form	Z91 PL ACTPL Profit & Loss Act/pl			
Lead column	Plan data	Act. data	% Variance	Abs. variance
Sales Unit	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
Gross Sales	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
.				
.				

Similarly add other value fields

In Net sales we need to select formula

Enter Formula

Y002 - Y003 - Y004

ID

Description

Y001

Sales Unit

Y002

Gross Sales

Y003

Discounts

Y004

Other Sales adjusts

(

)

/

7

8

9

\*

4

5

6

-

1

2

3

+

0

.

Check

Switch text

Split line

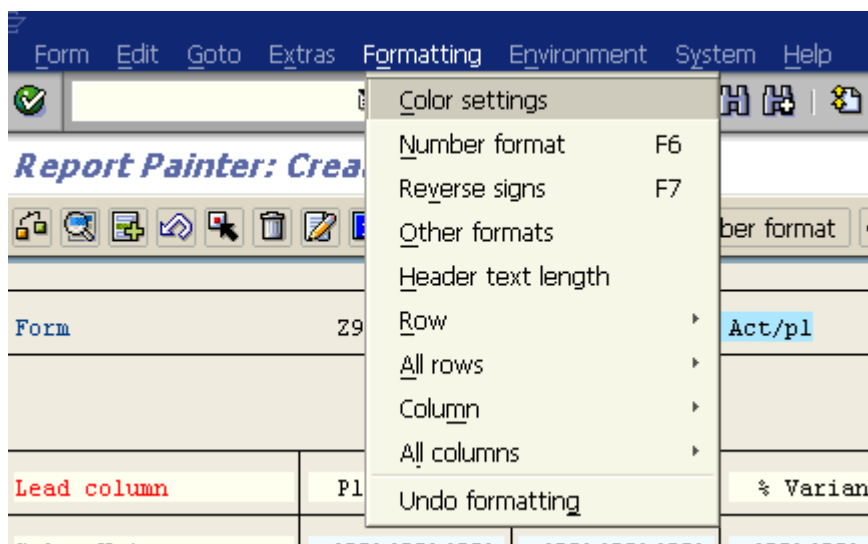
**Finally the form should look like this:-**

Form Edit Goto Extras Formatting Environment System Help					
Report Painter: Create Form					
Form Z91 PL ACTPL Profit & Loss Act/pl					
Lead column	Plan data	Act. data	% Variance	Abs. variance	...
Sales Unit	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Gross Sales	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Discounts	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Other Sales adjusts	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Net Sales	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Raw Materials/G fr	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Mfg. cost variable	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Other Var Prod. Ord	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Contribution marginl	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
.					
.					

**We want to change the colour of Gross sales for more emphasis.**

**Position the cursor on Gross sales**

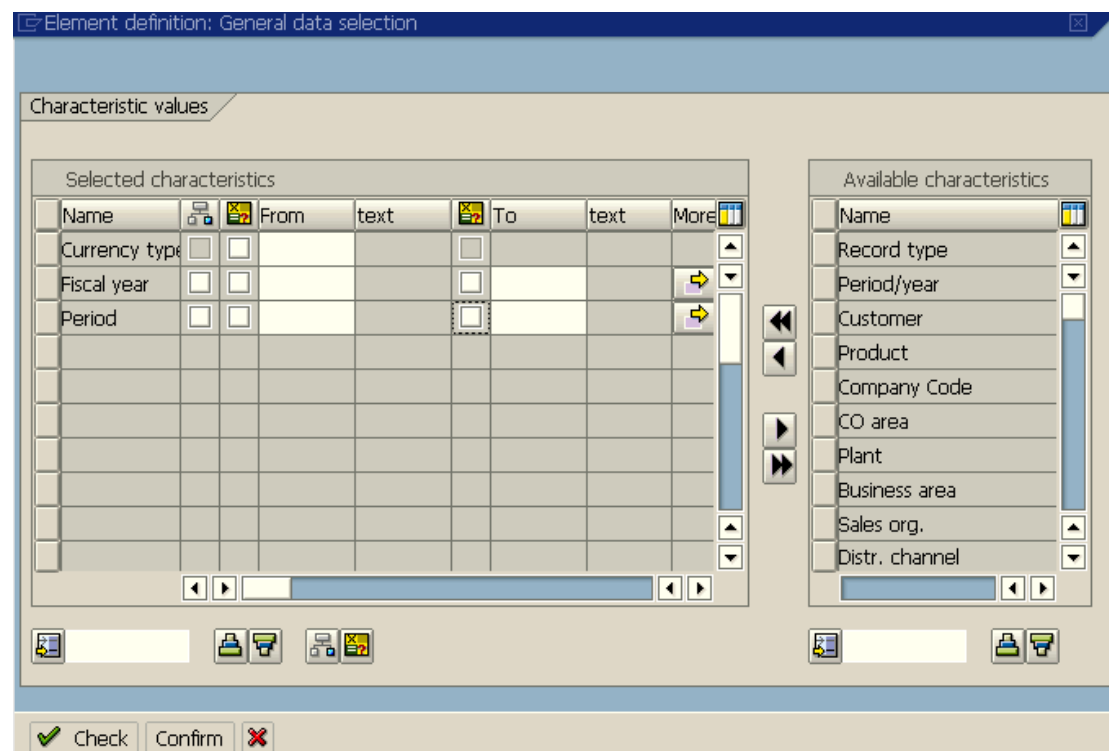
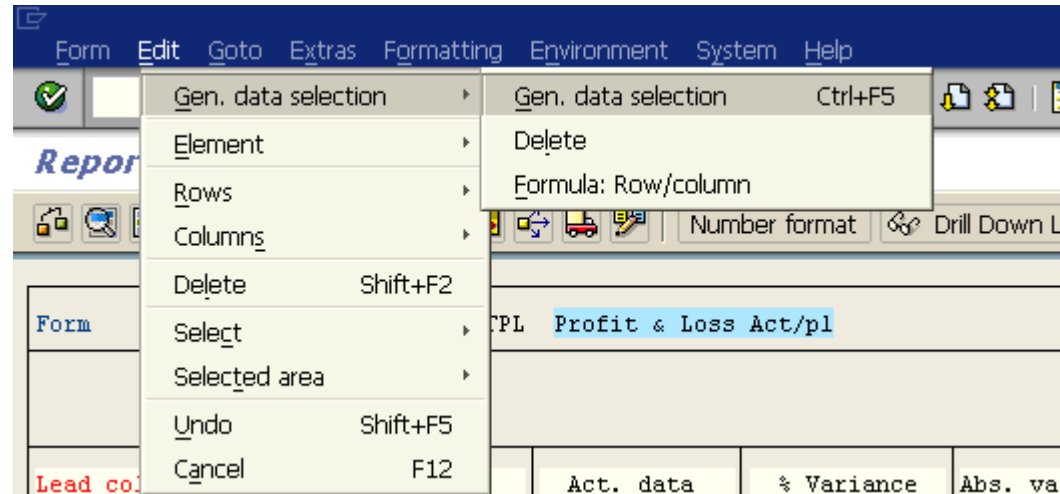
**Click formatting → Color settings**







**Click on**



**The variables you define here are then available in the report as variables.**

Click variables  for currency type ,record type


Variable selection




Characteristic: Record type

Local variable: VGA

Global variables

Name	Description	Replacement type	Optional entry	Parameter/select...
RECT	Recrd Type	Entry	Required entry	Select option

Operator:  Offset:

Also make fiscal year as variable

Make period also variable


Variable selection




Characteristic: Period

Local variable:

Global variables

Name	Description	Replacement type	Optional entry	Parameter/select...
DFP	Curr. fiscal period	SAP exit	Required entry	Parameters
DP	Curr. calendar month	SAP exit	Required entry	Parameters
P1	Period From	Entry	Required entry	Parameters
P2	Period To	Entry	Optional entry	Parameters

Operator:  Offset:

**Variable selection**

Characteristic

Local variable

Global variables				
Name	Description	Replacement type	Optional entry	Parameter/select...
OFF	Curr. fiscal period	SAP exit	Required entry	Parameters
OP	Curr. calendar month	SAP exit	Required entry	Parameters
P1	Period From	Entry	Required entry	Parameters
P2	Period To	Entry	Optional entry	Parameters

Operator  Offset

☐ ☐ ☐

**Element definition: General data selection**

Characteristic values


Selected characteristics							
Name	From	text	To	text	More		
Currency type	<input checked="" type="checkbox"/>	VGA	<input type="checkbox"/>				
Fiscal year	<input checked="" type="checkbox"/>	FY	<input type="checkbox"/>				
Period	<input checked="" type="checkbox"/>	P1	<input checked="" type="checkbox"/>	P2	Period To		

Available characteristics	
Name	
Record type	
Period/year	
Customer	
Product	
Company Code	
CO area	
Plant	
Business area	
Sales org.	
Distr. channel	

☐ ☐ ☐ ☐ ☐ ☐

☐ Check  ☐

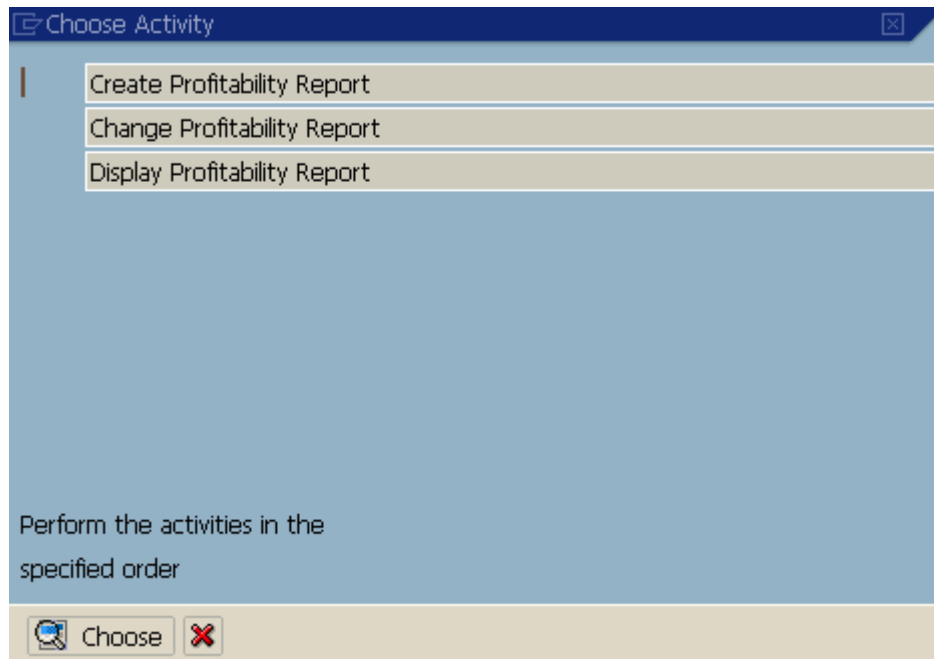
**Click**

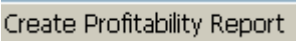
**Click on**  **you should get a message No errors were found**

Click 

### 5.3 Create Profitability Report (KE31)

IMG → Controlling → Profitability Analysis → Information System → Define Profitability Reports → Create Profitability Report (KE31)



**Double click** 

**Update the following:-**

Report Edit Goto Extras Environment System Help

**Create Profitability Report: Initial Screen**

Report: Z91 PL ACTPL Profit & Loss Actual/Plan

Report type

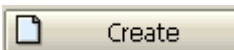
☐ Basic report

☒ Report with form Z91 PL ACTPL Profit & Loss Act/pl Create

Copy from

Report

**Click**



**Select the characteristics from the right**

Report Edit Goto Extras Environment System Help

**Create Profitability Report: Specify Profit. Segment**

Report: Z91 PL ACTPL Profit & Loss Actual/Plan

Report type: Form report Form Z91 PL ACTPL

Characteristics Variables OutputType Options

Sel. characteristics

Char.	Ty...	Val.	Description
Company Code			

Char. list

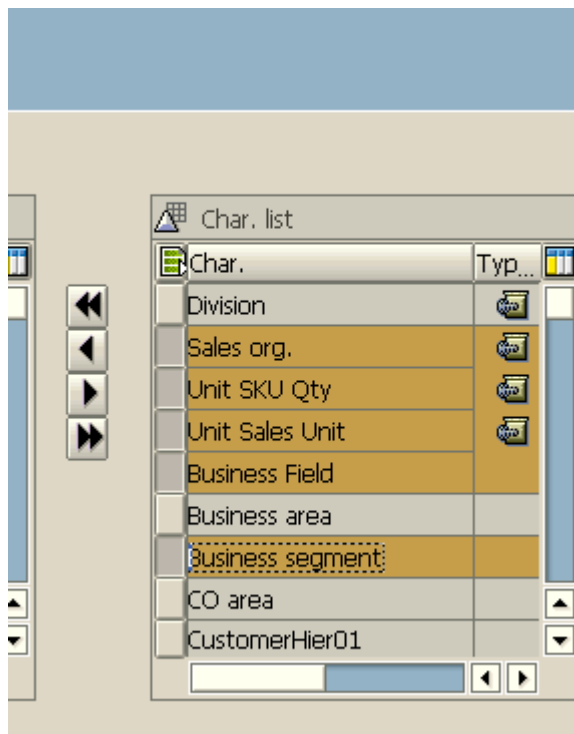
Char.	Typ.
Customer	
Sales group	
Brand-SKU	
Distr. channel	
Division	
Plant	
Prod.hierarchy	
Product	
Profit center	

Sort fixed chars Sort user-def. char

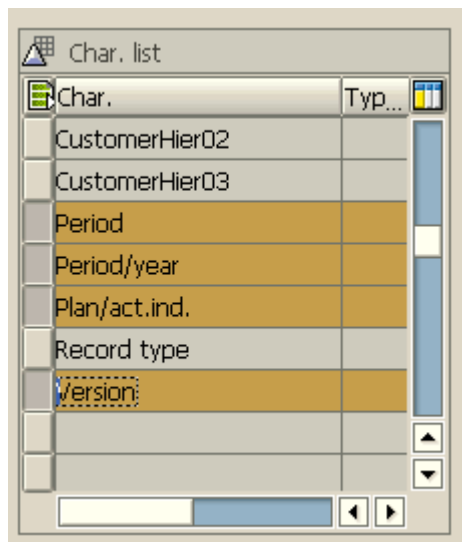
**Click**



## Further select characteristics



Click 



Click 

Report Edit Goto Extras Environment System Help

**Create Profitability Report: Specify Profit Segment**

Report: Z91 PL ACTPL Profit & Loss Actual/Plan

Report type: Form report Form: Z91 PL ACTPL

Characteristics Variables OutputType Options

Sel. characteristics

Char.			Ty...	Val.	Description
Company Code	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Distr. channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Brand-SKU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Sales group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Customer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Plant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Prod.hierarchy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Profit center	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Char. list

Char.	Typ...
CustomerHier02	
CustomerHier03	
Period	
Period/year	
Plan/act.ind.	
Record type	
Version	

Sort fixed chars Sort user-def. char

Set company code as variable by clicking



Variable selection

Characteristic: Company Code

Local variable: BUK

Operator: Offset

✓ ✖

Click on



Report: Z91 PL ACTPL Profit & Loss Actual/Plan

Report type: Form report Form Z91 PL ACTPL

Characteristics Variables OutputType Options

Variable	Variable val.	Description	Enter at execution
Company Code	9100	td	<input checked="" type="checkbox"/>
Version	0	Plan/actual version	<input checked="" type="checkbox"/>
Period From	?		<input checked="" type="checkbox"/>
Period To			<input checked="" type="checkbox"/>
Fiscal year	?		<input checked="" type="checkbox"/>
Currency type	?		<input checked="" type="checkbox"/>

Sort variables

We can sort variables by clicking



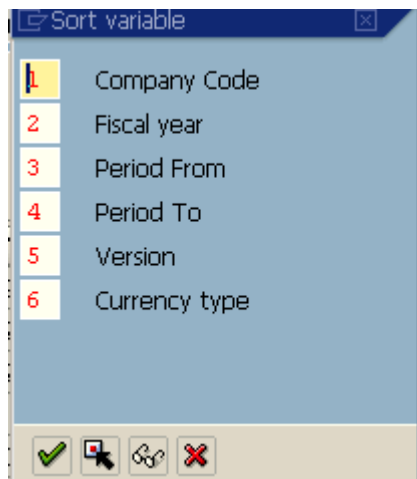
Sort variable

1	Company Code
2	Version
3	Period From
4	Period To
5	Fiscal year
6	Currency type

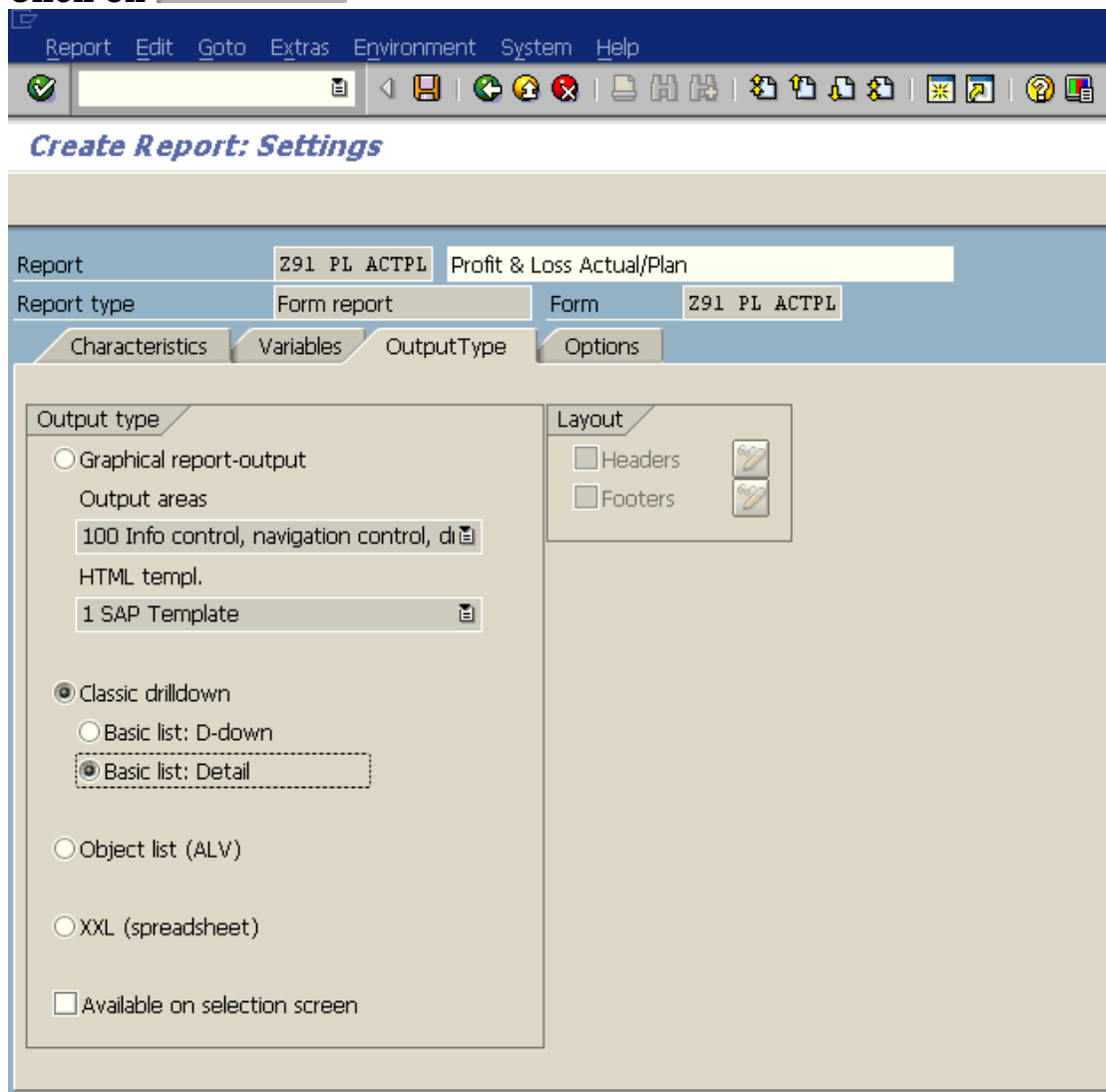
Sort variables

change the order to



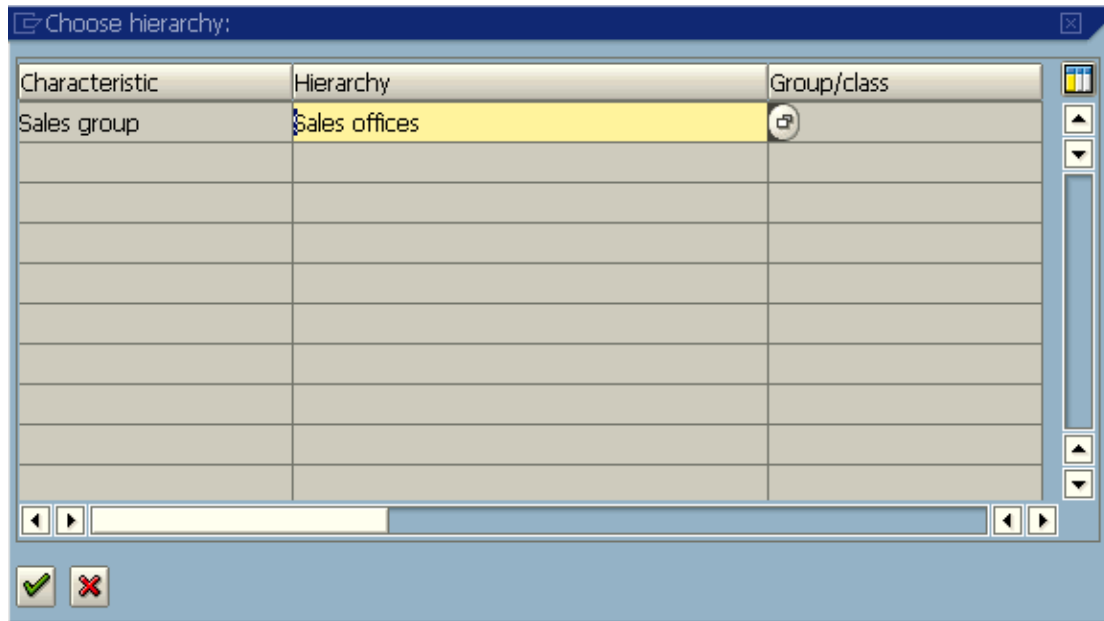


**Click on** OutputType



**Click on** Options

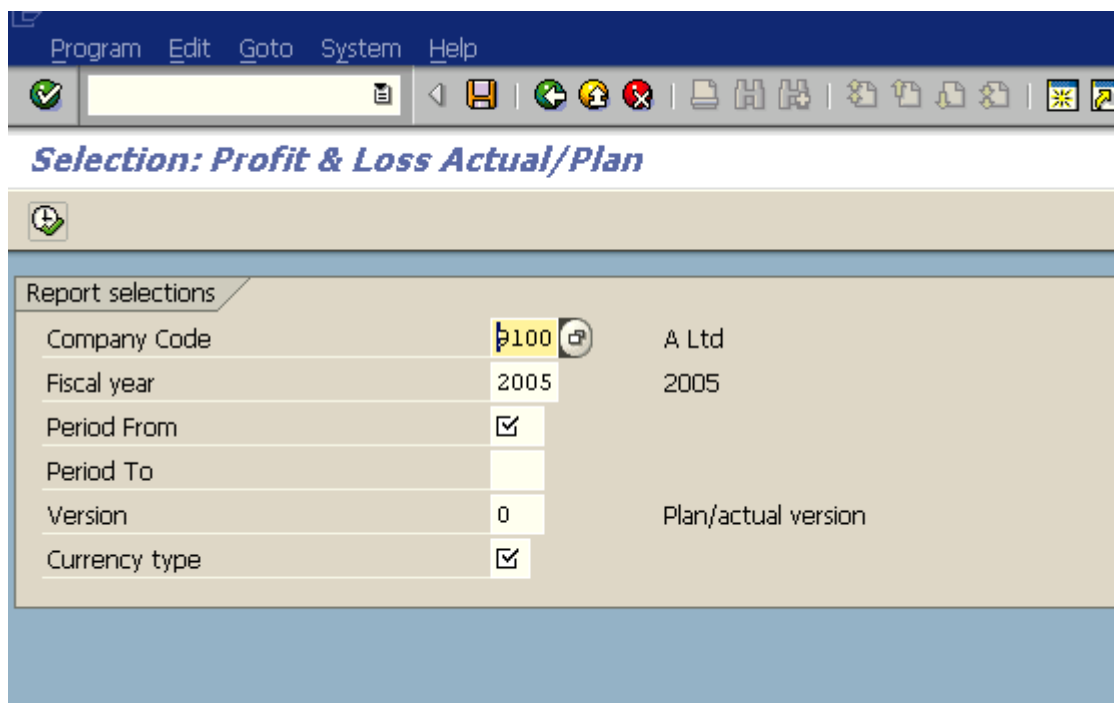




Click

You can generate the report by clicking

The report selection will look like this



## 6. Tools

### 6.1 Check Customizing Settings

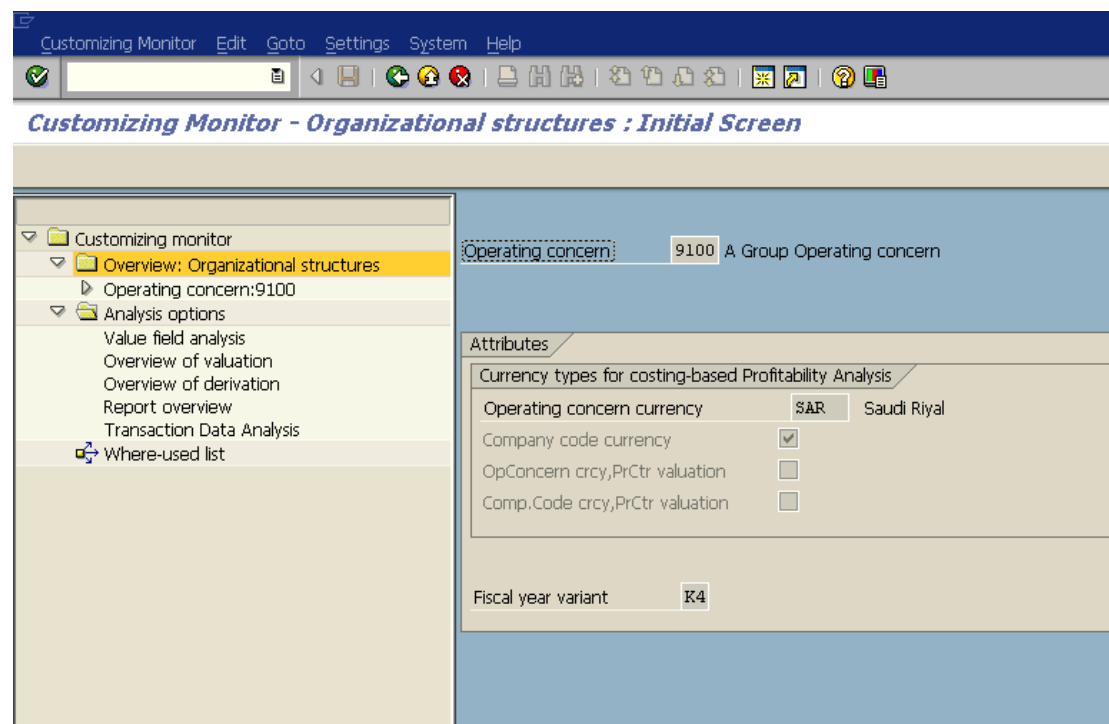
IMG → Controlling → Profitability Analysis → Tools → Analysis → Check Customizing Settings

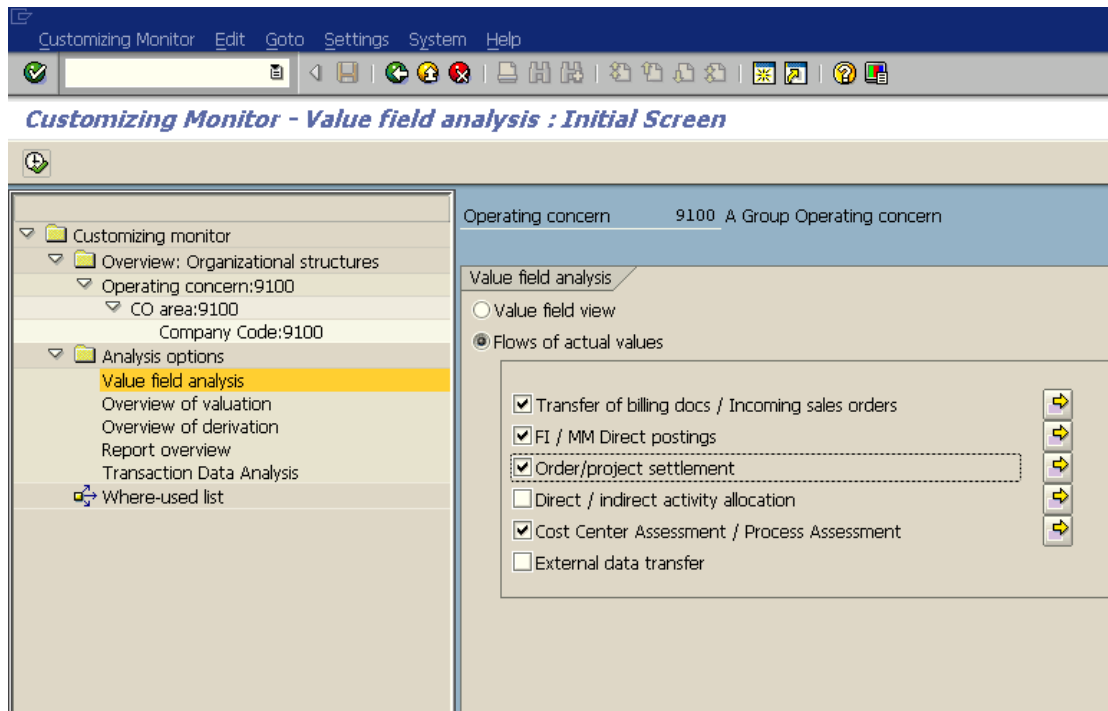
In this activity, you can display the customizing settings for an operating concern. A number of functions let you analyze the various areas of Customizing:

You can obtain an overview of the organizational structures for an operating concern.

The functions Value field analysis, Valuation analysis, and Derivation overview provide you with several options for detailed analysis.

You can draw up a where-used list for the characteristics and value fields in an operating concern





## 6.2 Transport (KE3I)

IMG → Controlling → Profitability Analysis → Tools → Production Startup → Transport

Here you create a transport request which lets you transport objects to a target system.

Table of transactions that are not automatically recorded in transport requests:

- Defining CO-PA data structure (characteristics, value fields, tables)

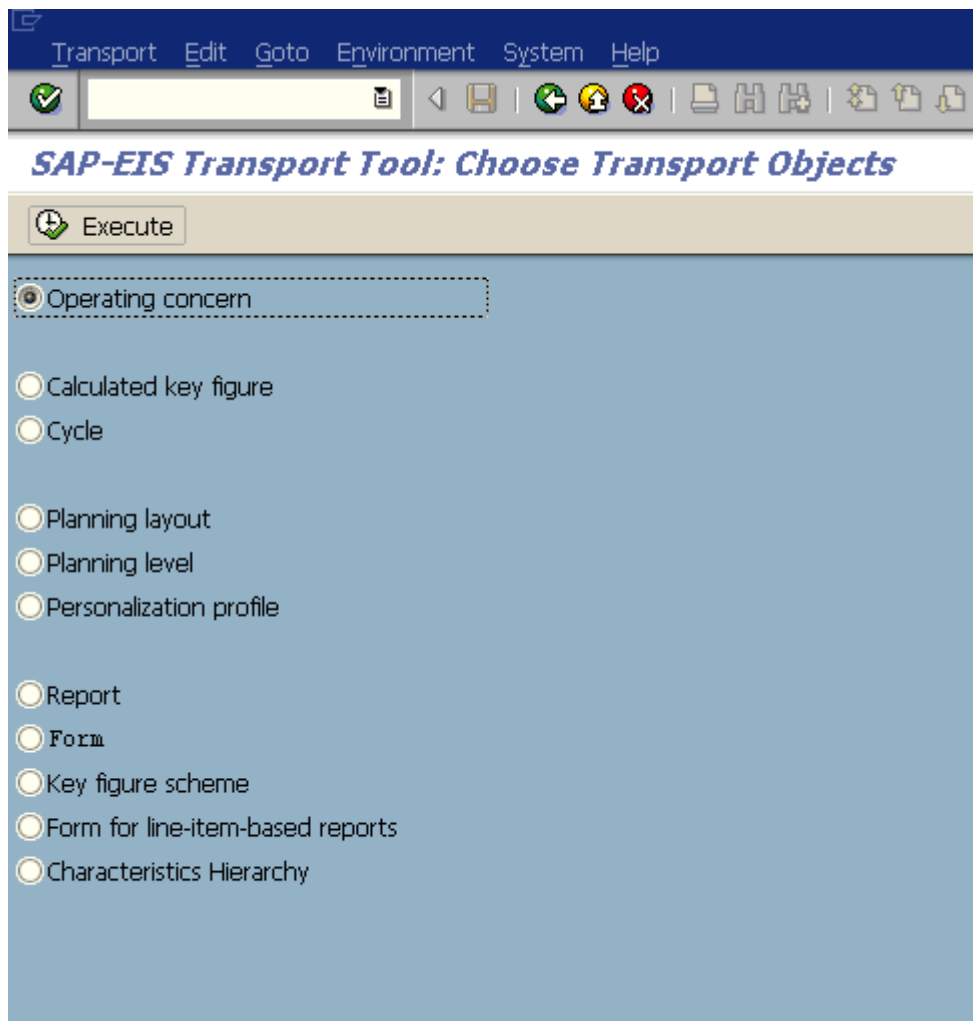
Transport using "Structures: Repository Objects" and "Structures: Basic Settings" (operating concern).

- Defining record types

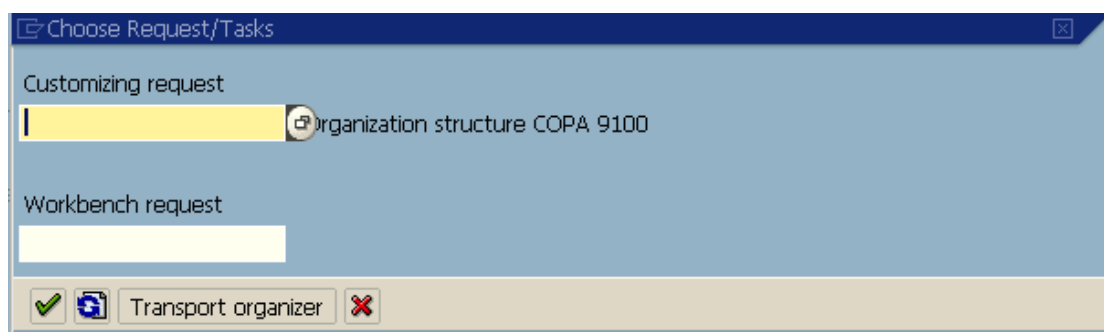
Transport using "Structures: Number Range Groups" (operating concern).

- Information system definitions (except key figure schemes)
- Defining characteristic derivation and all rule-based settings (such as the costing key assignment) and segment-specific settings in planning
- Plan structures

All these settings needs to be transported using transaction code KE3I



**Click**  Execute



Prompt for Workbench request

Request


☐ ☐ Own requests ☐

Click 

Create Request

Request  Workbench request

Short description  Organization structure COPA 9100

 Project




Owner  KHAN Source client  009

Status  New Target

Last changed  04.09.2005  12:54:53

Tasks

User
KHAN

   ☐

Click on 

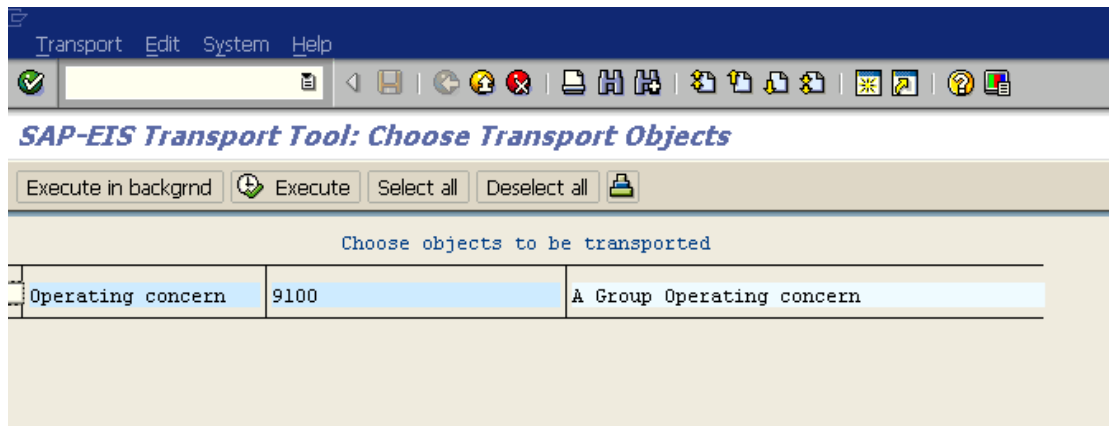
Prompt for Workbench request

Request  DEWK922000 Workbench request

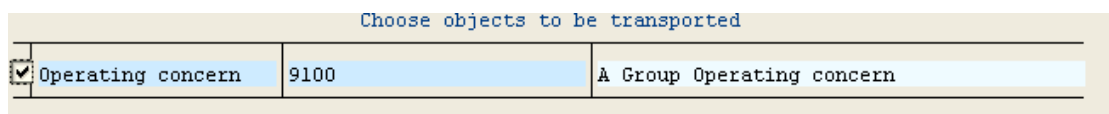
Organization structure COPA 9100

☒ ☐ Own requests ☐

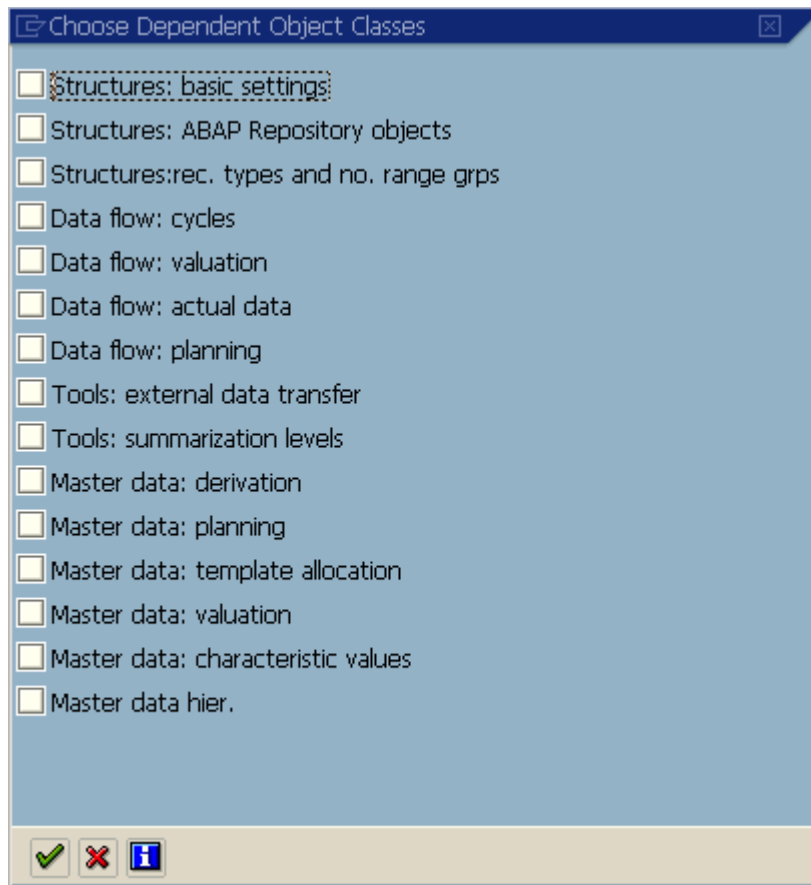
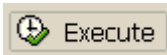




## Select

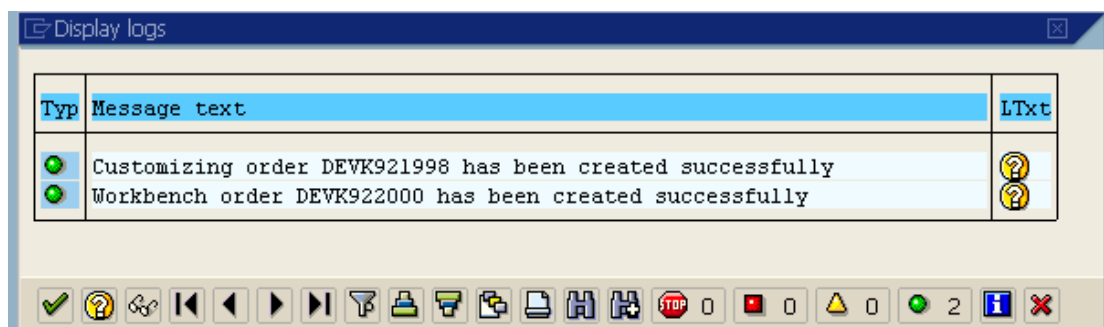


## Click



## Select





**That brings us to an end of COPA customizing settings.**