SAP PROFITABILITY ANALYSIS CONFIGURATION

Published by Team of SAP Consultants at SAPTOPJOBS

Visit us at www.sap-topjobs.com

Copyright 2005@SAPTOPJOBS

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means electronic or mechanical including photocopying, recording or any information storage and retrieval system without permission in writing from SAPTOPJOBS

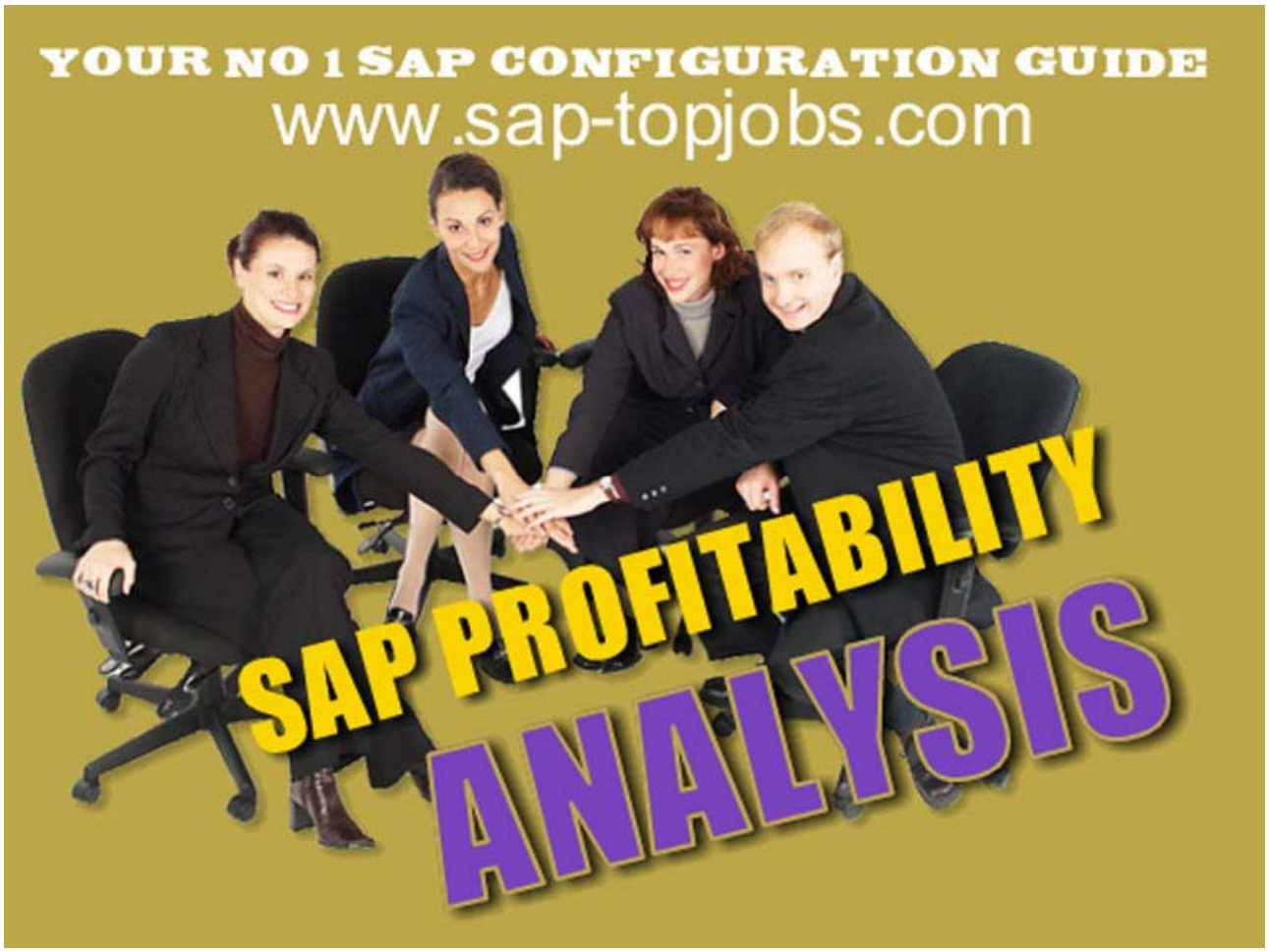

YOUR NO 1 SAP CONFIGURATION GUIDE
www.sap-topjobs.com
SAP PROFITABILITY
ANALYSIS

TABLE OF CONTENTS

INTRODUCTION 5
1. Structures 6
1.1 Maintain Characteristics 6
1.2 Maintain Value fields 17
1.3 Maintain Operating Concern 23
1.4 Set Operating Concern (KEBC) 40
1.5 Assign controlling area to operating concern 41
1.6 Define Profitability Segment Characteristics (Segment –Lvl Characteristics) 42
1.7 Copy Operating Concern including Customizing 45
2. Master Data 47
2.1 Maintain Characteristics values 47
2.2 Define Characteristics Hierarchies 49
2.3 Define Characteristic Derivation 52
2.4 Define and Assign Valuation Strategy 66
2.5 Define Keys for Accessing Material Cost Estimates 70
2.6 Assign Costing Keys to Any Characteristics 73
2.7 Assign Value Fields 83
3. Planning 85
3.1 Define Number Ranges for Planning Data 85
3.2 Maintain Versions 86
3.3 Assign Quantity Fields 88
3.4 Set Up Planning Framework 89
3.5 Assign Characteristic Groups to Plan Cycles 99
3.6 Assign Receiver Plan Version 101
3.7 Define Structure of Cost Center Assessment/Process Cost Assessment 102
4. Flows of Actual Values 107
4.1 Define Number Ranges for Actual Postings 107
4.2 Maintain Value Field Groups 107
4.3 Assign Value Field Groups for Line Item Screens 109
4.4 Activate Transfer of Incoming Sales Orders 111
4.5 Transfer of Billing Documents 111
4.6 Assign Quantity Fields 113
4.7 Maintain PA Transfer Structure for Direct Posting FI/MM (KEI2) 114
4.8 Automatic Account Assignment (OKB9) 121
4.9 Define PA Transfer Structure for Variance Settlement 122
4.10 Assign PA Transfer Structure to Settlement Profile 133
4.11 Maintain Characteristic Groups 134
4.12 Assign Characteristic Groups to Actual Cycles 135
4.13 Assess Cost Center Costs / Process Costs 136
4.14 Activate Profitability Analysis 141
5. Information system 144
5.1 Define Variables for Reports 144
5.2 Define Forms for Profitability Reports (KE34) 145
5.3 Create Profitability Report (KE31) 164
6. Tools 172

6.1 Check Customizing Settings 172
6.2 Transport (KE3I) 173

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

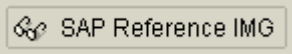
It is one of the most wonderful modules in the SAP.

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 → 

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.

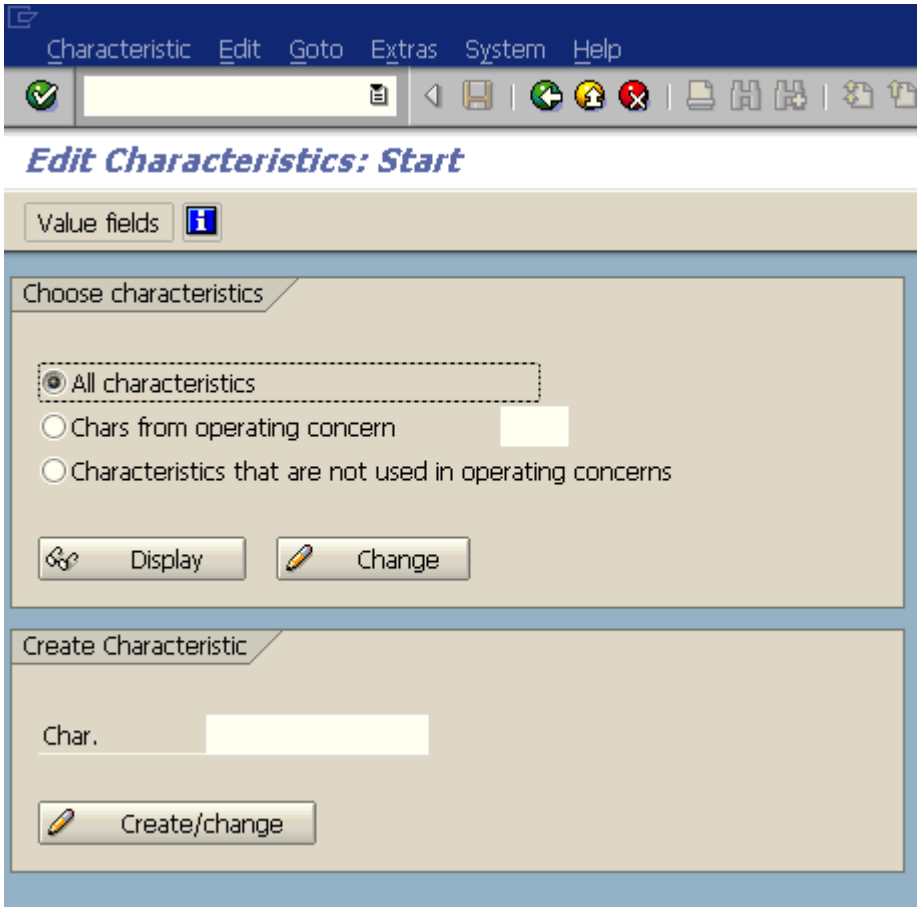
These non-fixed characteristics must be added to the field catalog before they can be used to define a new operating concern. Characteristics in the field catalog can be accessed in any client.

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

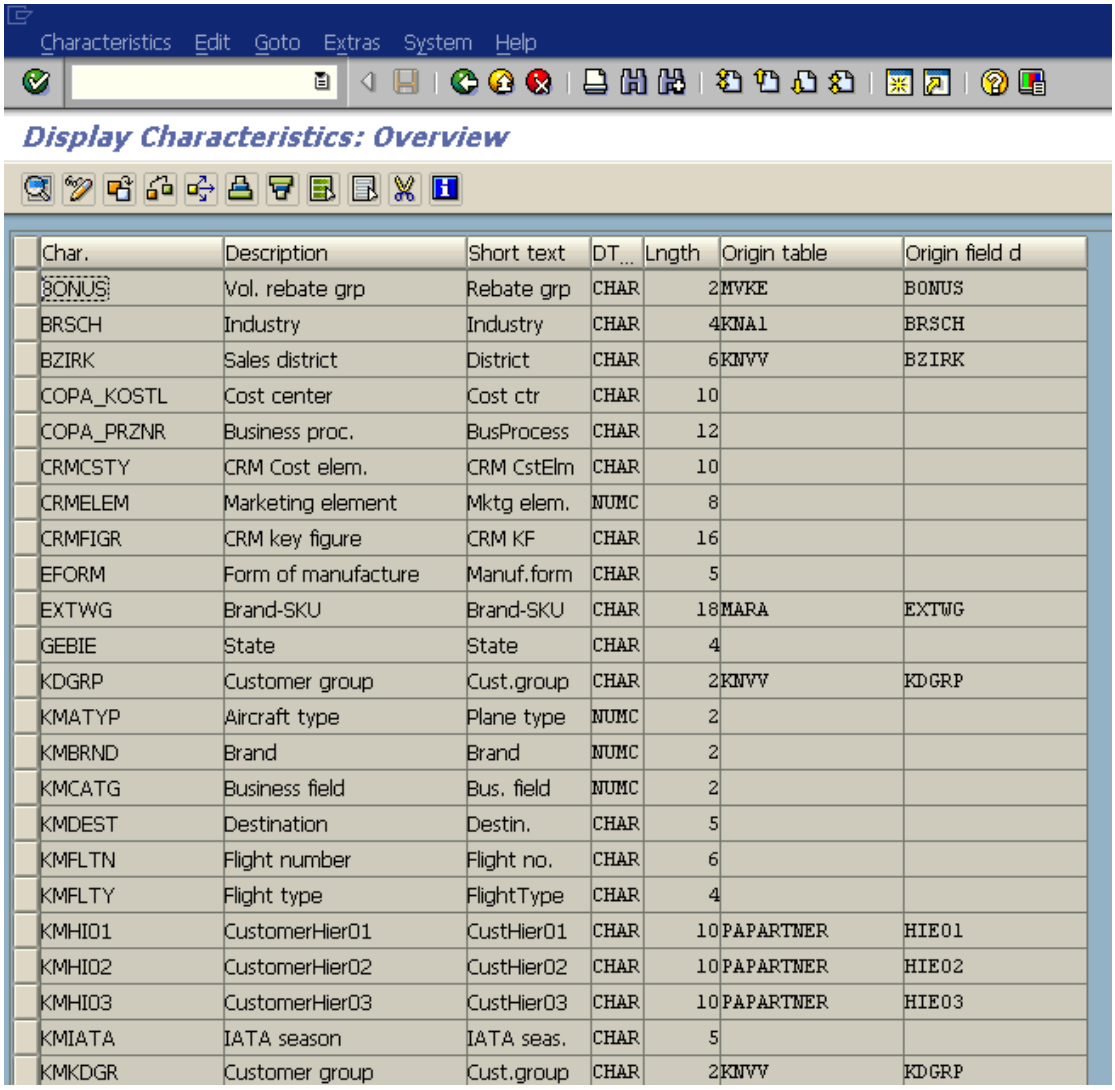
- **Copying characteristics from reference tables:** You can use characteristics that already exist in other applications when you define your operating concerns.
- **Characteristics created from scratch:** You can create ones which are only required in Profitability Analysis. To derive values for these 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:-


Characteristic Edit Goto Extras System Help
Edit Characteristics: Start
Value fields
Choose characteristics
All characteristics
Chars from operating concern
Characteristics that are not used in operating concerns
Display
Change
Create Characteristic
Char.
Create/change

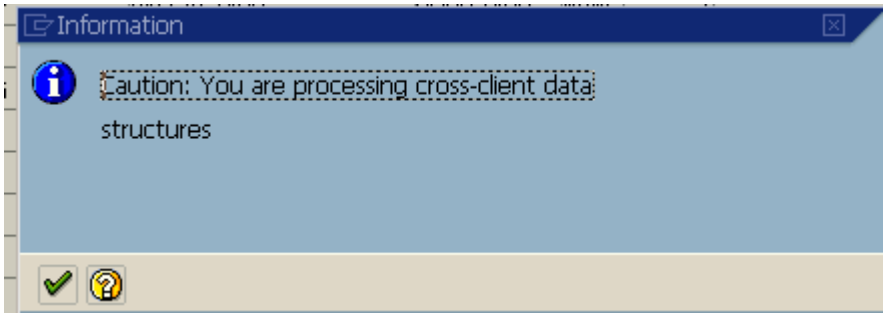
Click on
Display



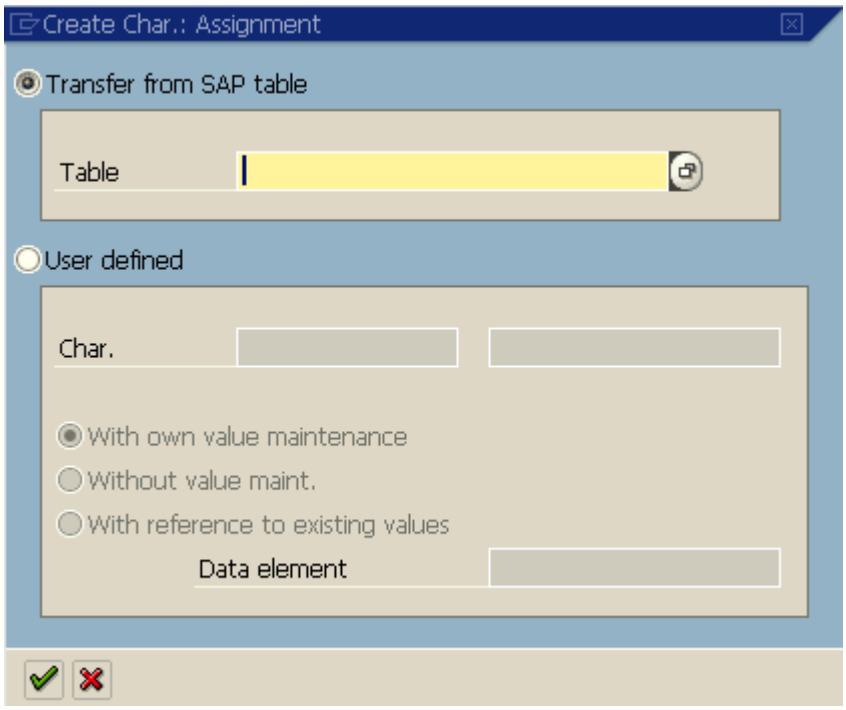
Char.	Description	Short text	DT...	Lngth	Origin table	Origin field d
BONUS	Vol. rebate grp	Rebate grp	CHAR	2	MVKE	BONUS
BRSCH	Industry	Industry	CHAR	4	KNA1	BRSCH
BZIRK	Sales district	District	CHAR	6	KNVV	BZIRK
COPA_KOSTL	Cost center	Cost ctr	CHAR	10		
COPA_PRZNR	Business proc.	BusProcess	CHAR	12		
CRMCSTY	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		
KMHI01	CustomerHier01	CustHier01	CHAR	10	PAPARTNER	HIE01
KMHI02	CustomerHier02	CustHier02	CHAR	10	PAPARTNER	HIE02
KMHI03	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



Take a drop down in the field Table and select PAPARTNER

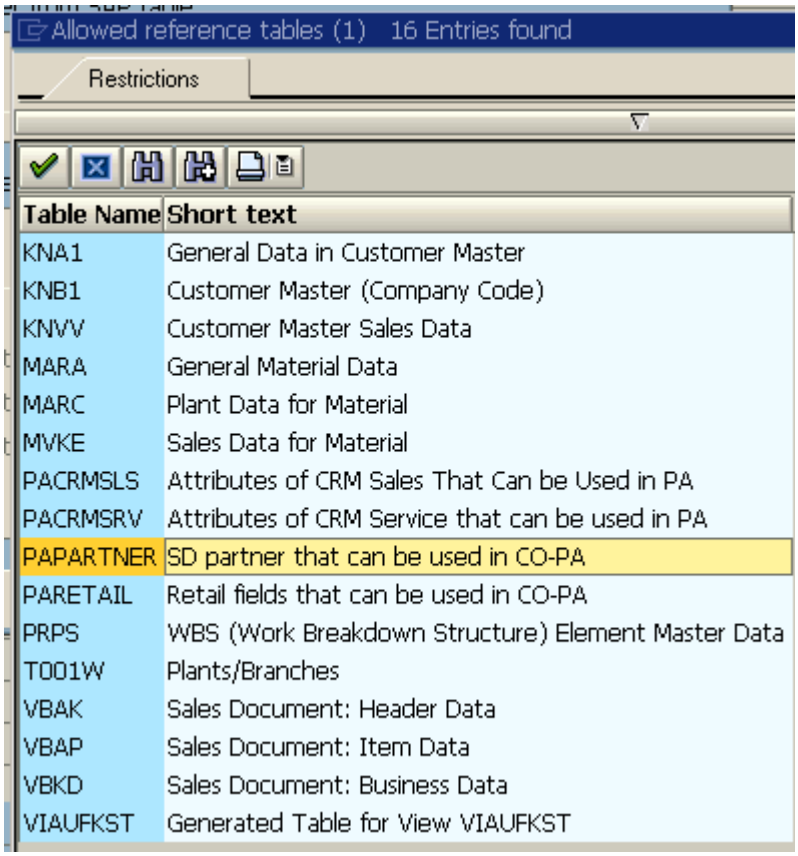
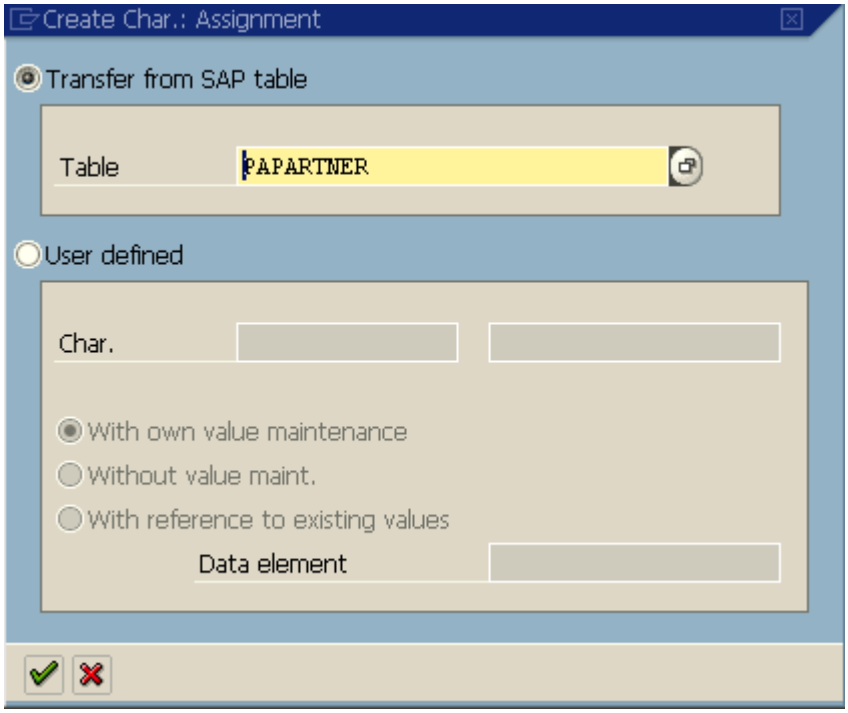
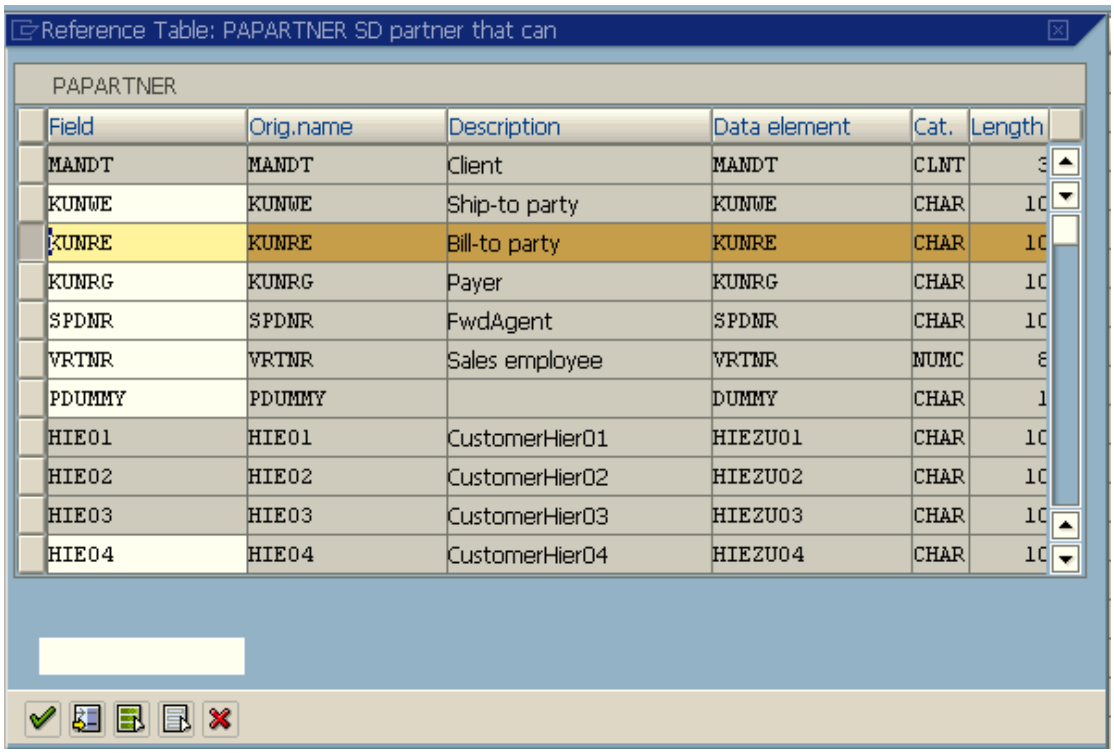


Table Name	Short text
KNA1	General Data in Customer Master
KNB1	Customer Master (Company Code)
KNVV	Customer Master Sales Data
MARA	General Material Data
MARC	Plant Data for Material
MVKE	Sales Data for Material
PACRMSLS	Attributes of CRM Sales That Can be Used in PA
PACRMSRV	Attributes of CRM Service 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

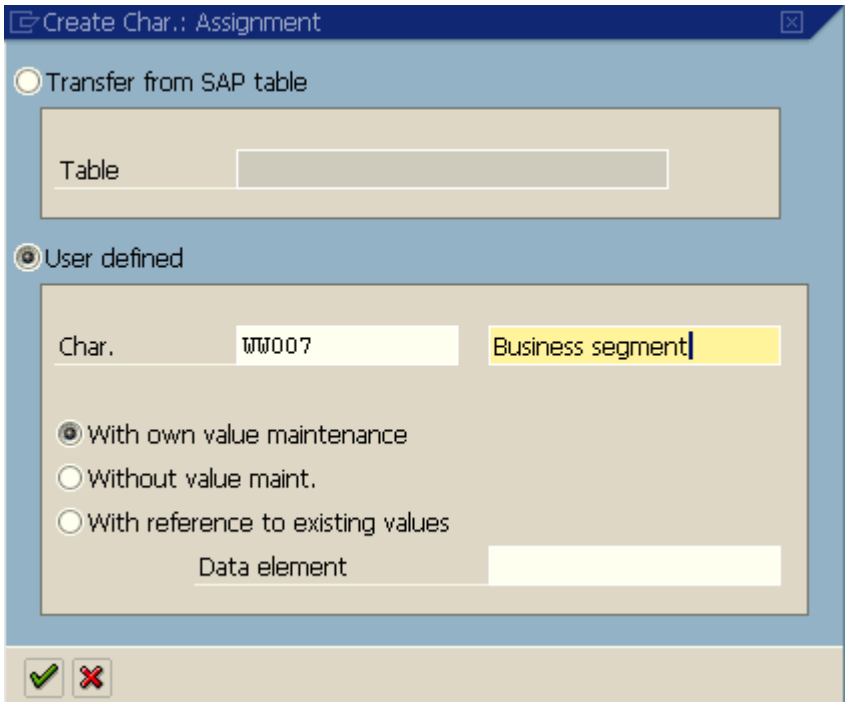


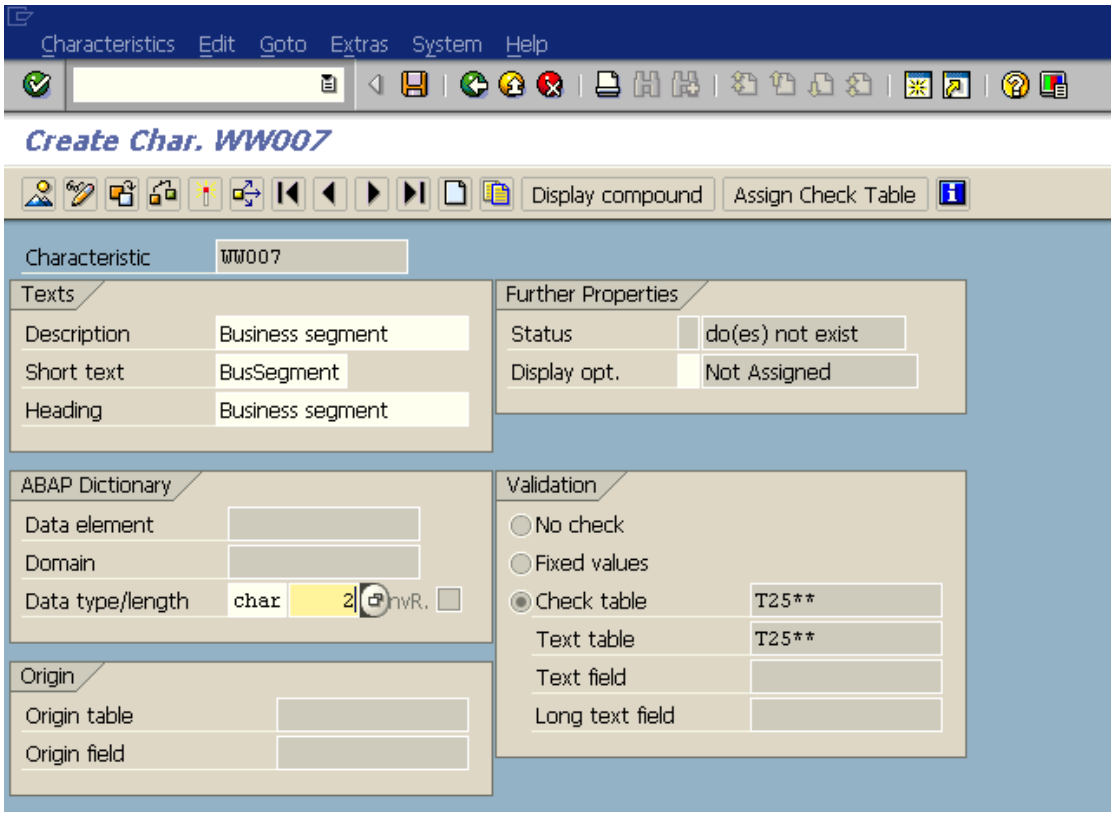
Select Bill to party



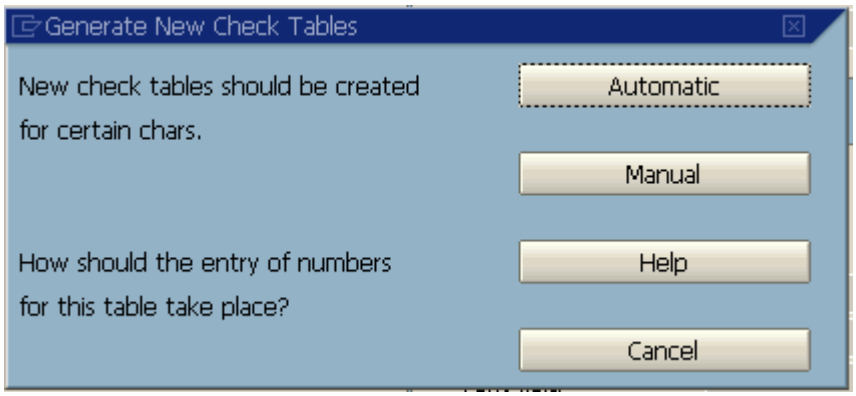
Now we will create a user defined characteristic. A user defined characteristic should begin with WW

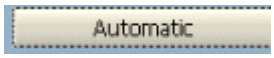
Update the following:-



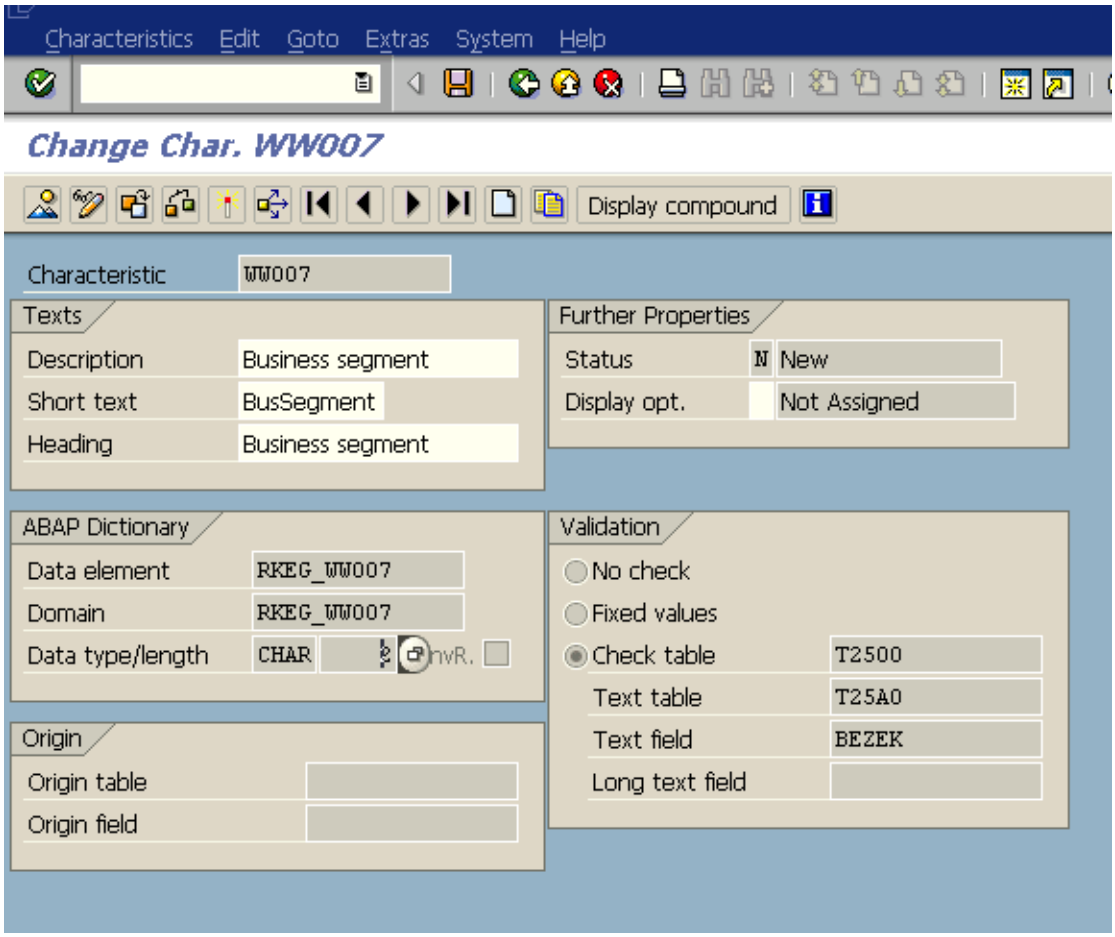


Click **Save**



Click 

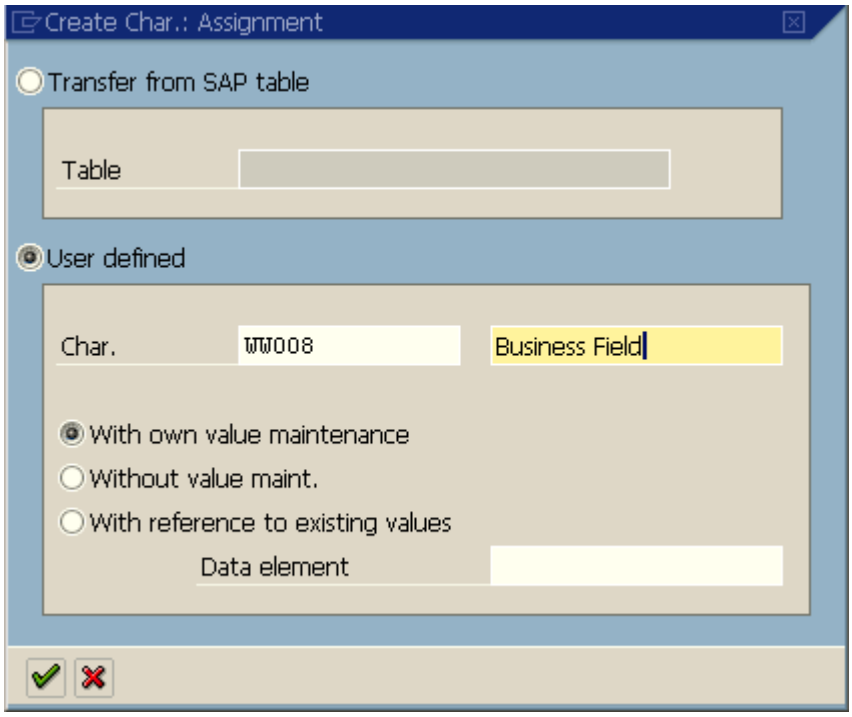
Note now that the check table number, text table, text field, data element domain has been populated with values automatically.



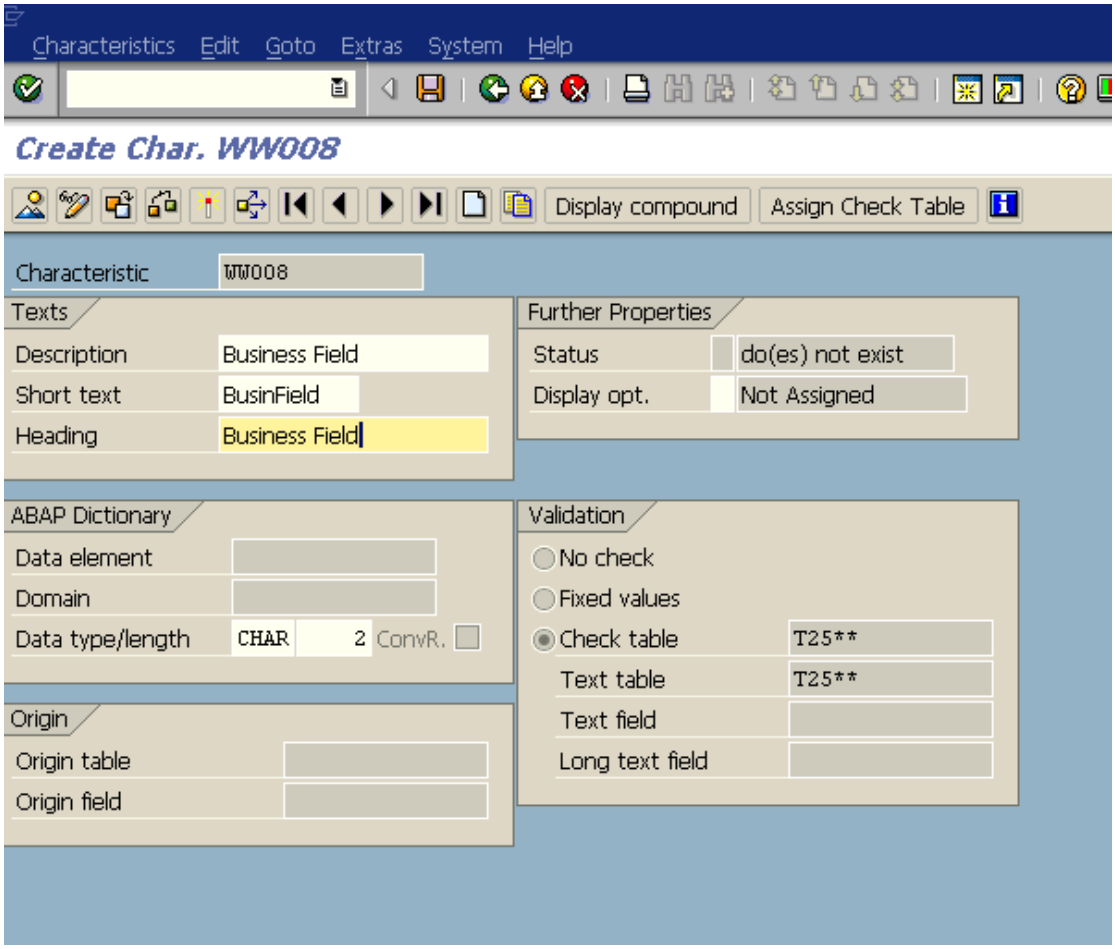
Click on to activate the characteristic.

Click to create another user define characteristic Business field.

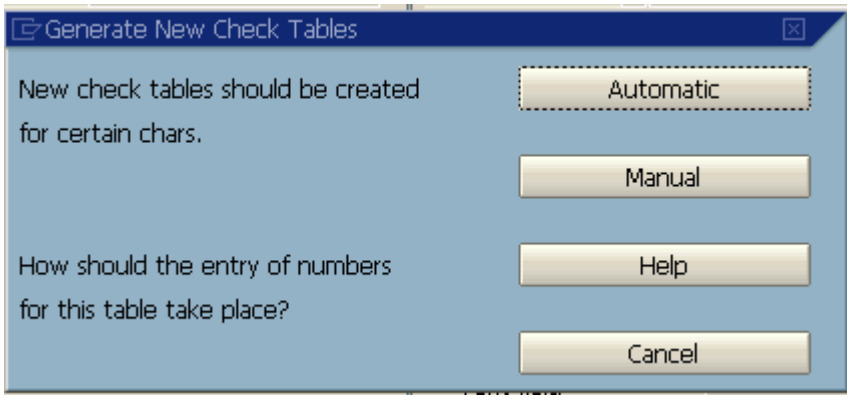
Update the following:-



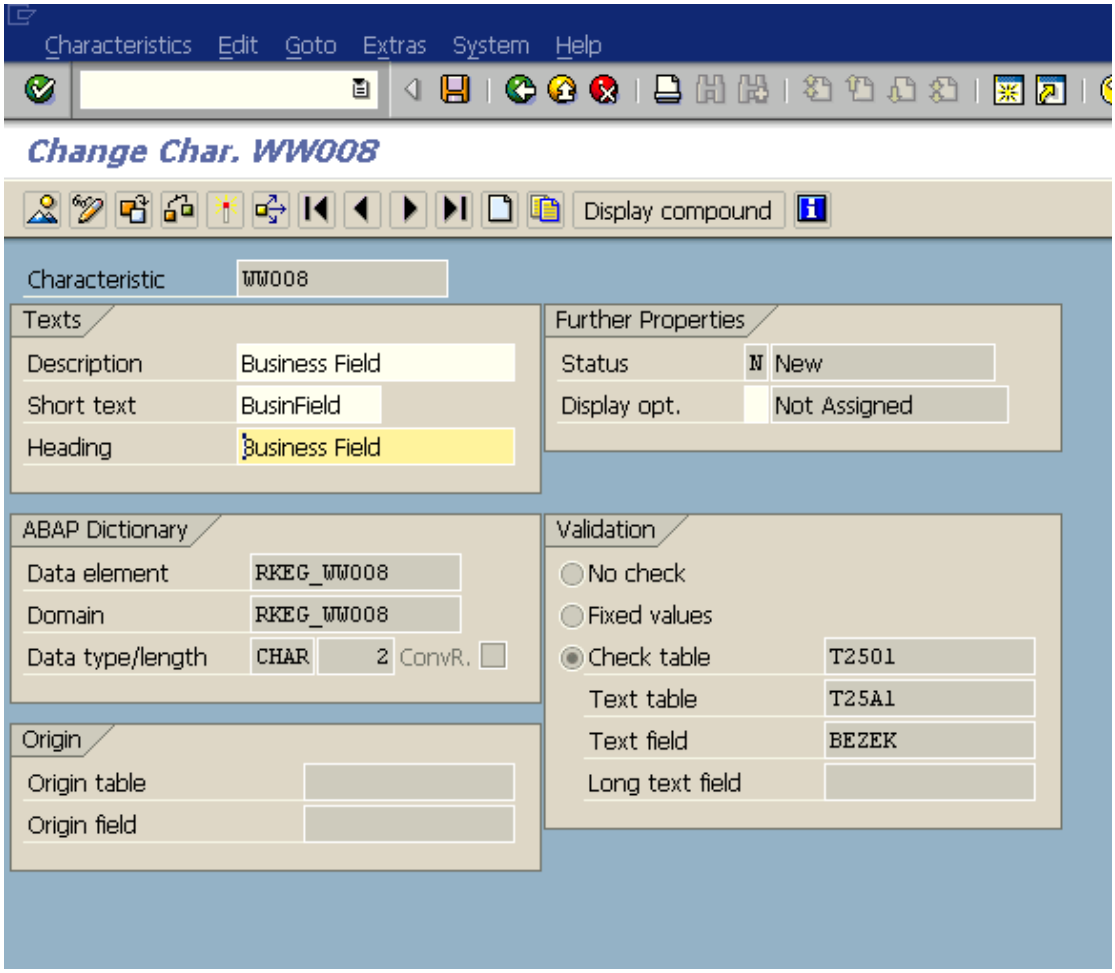
Update the short text, heading and data type



Click **Save**



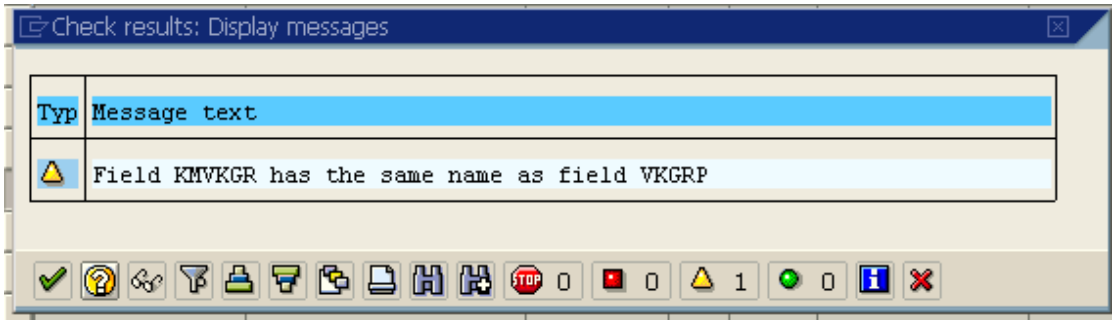
Click Automatic



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.



1.2 Maintain Value fields

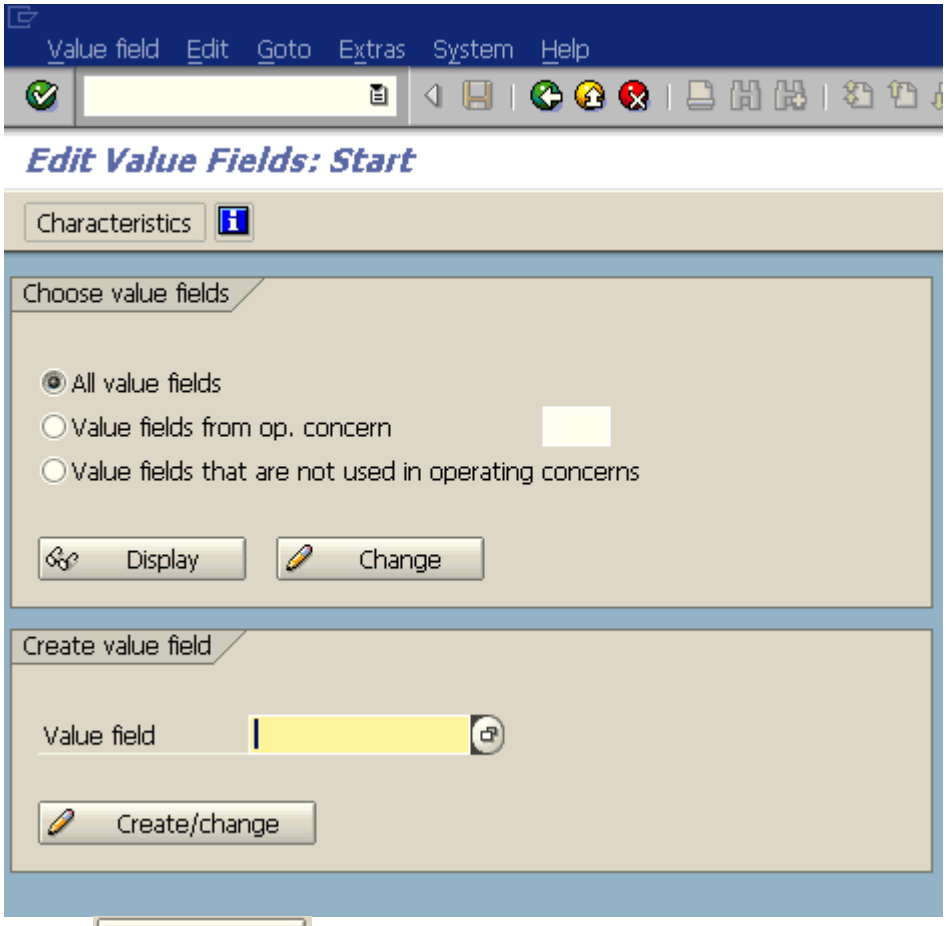
IMG → Controlling → Profitability Analysis → Structures → Define operating concern → Maintain Value Fields

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

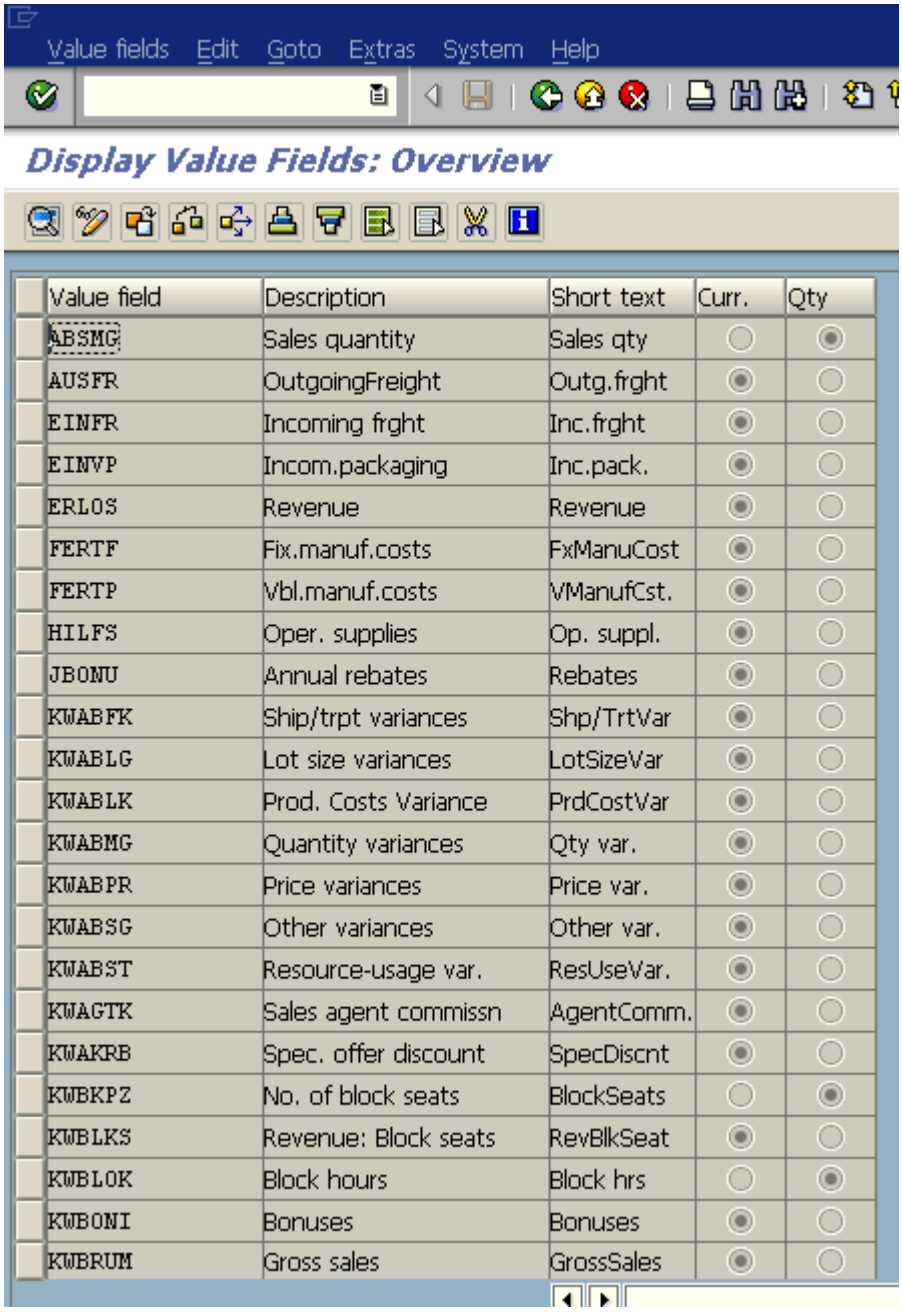
There are some SAP rules for defining value fields which are laid down below:

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).



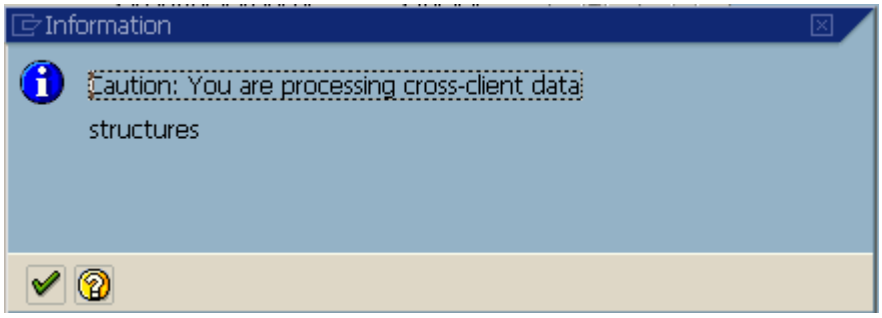
Click to check the SAP provided value fields



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

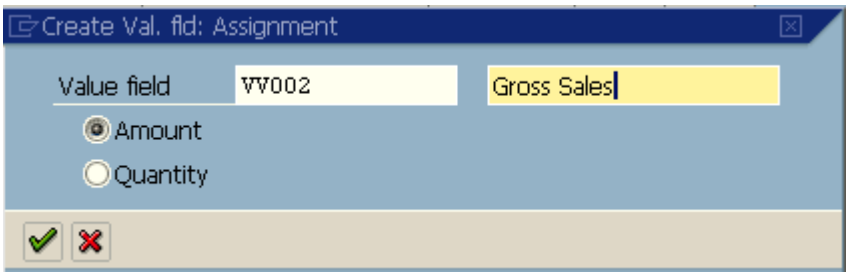
We will create our own value fields, therefore

Click

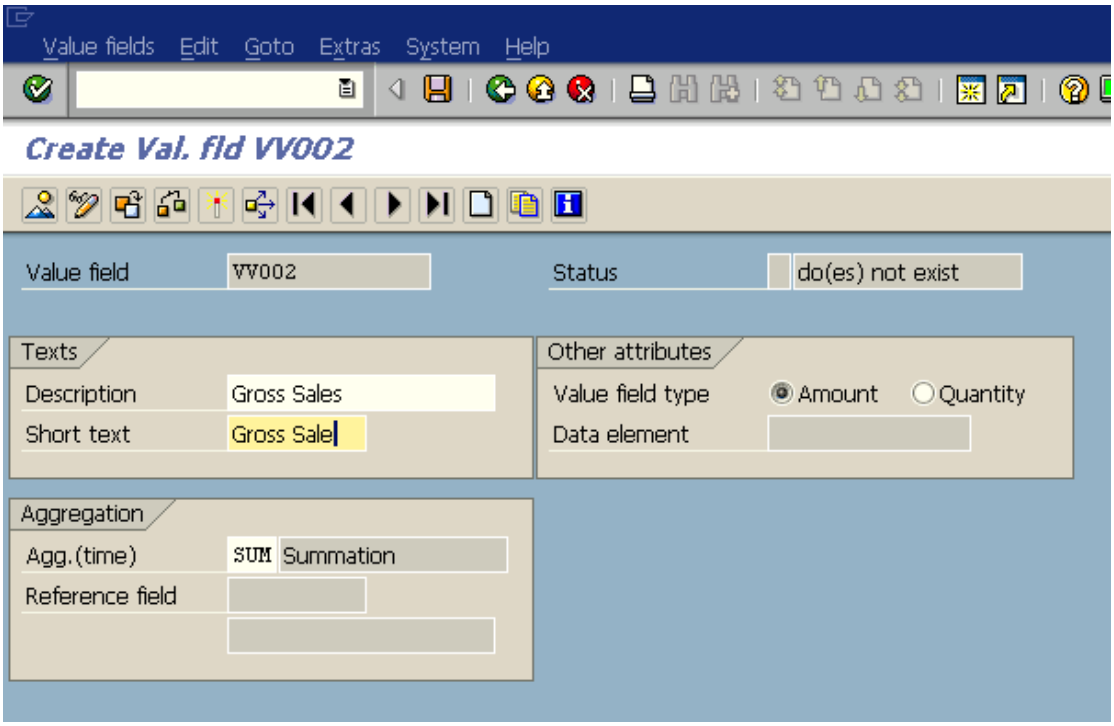


Click to create value field

Update the following:-

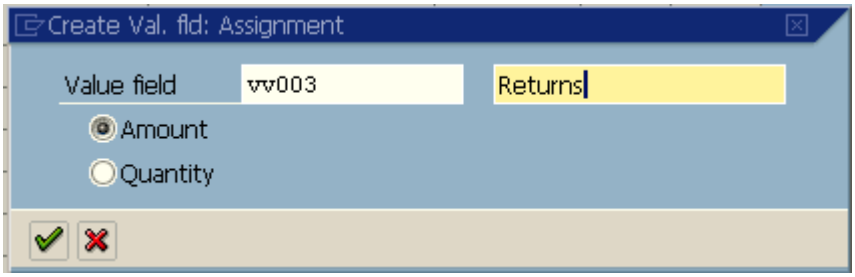


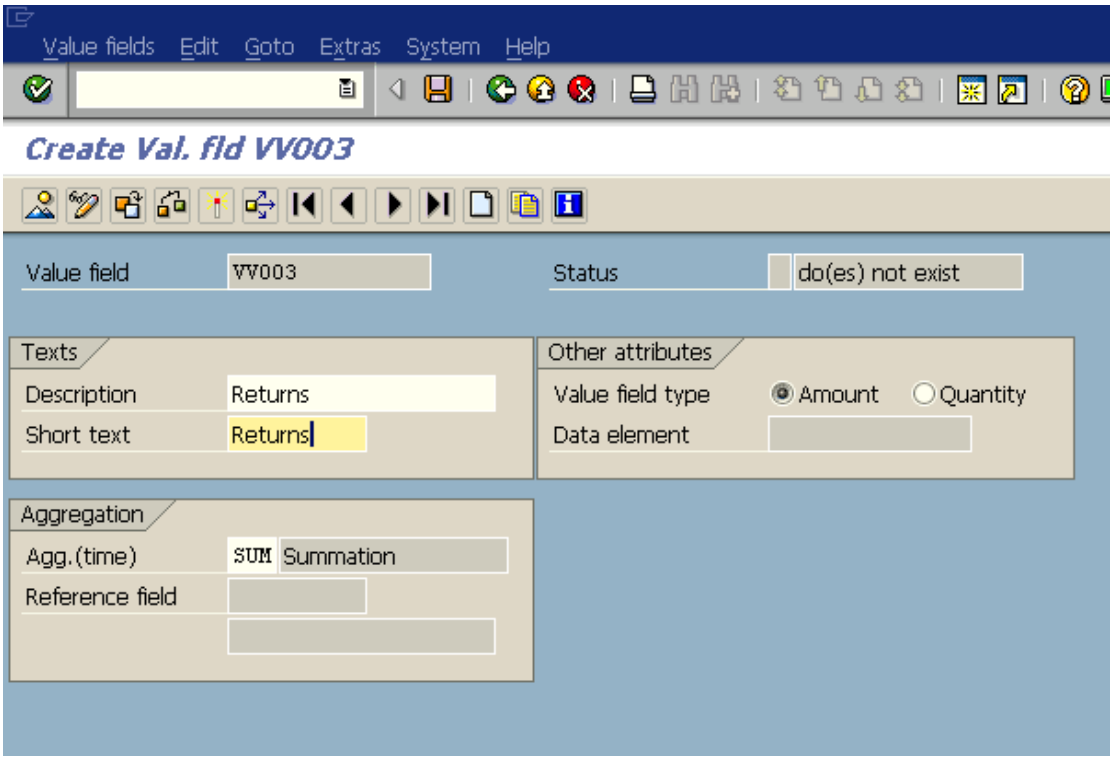
Update short text



Click to activate the value field.

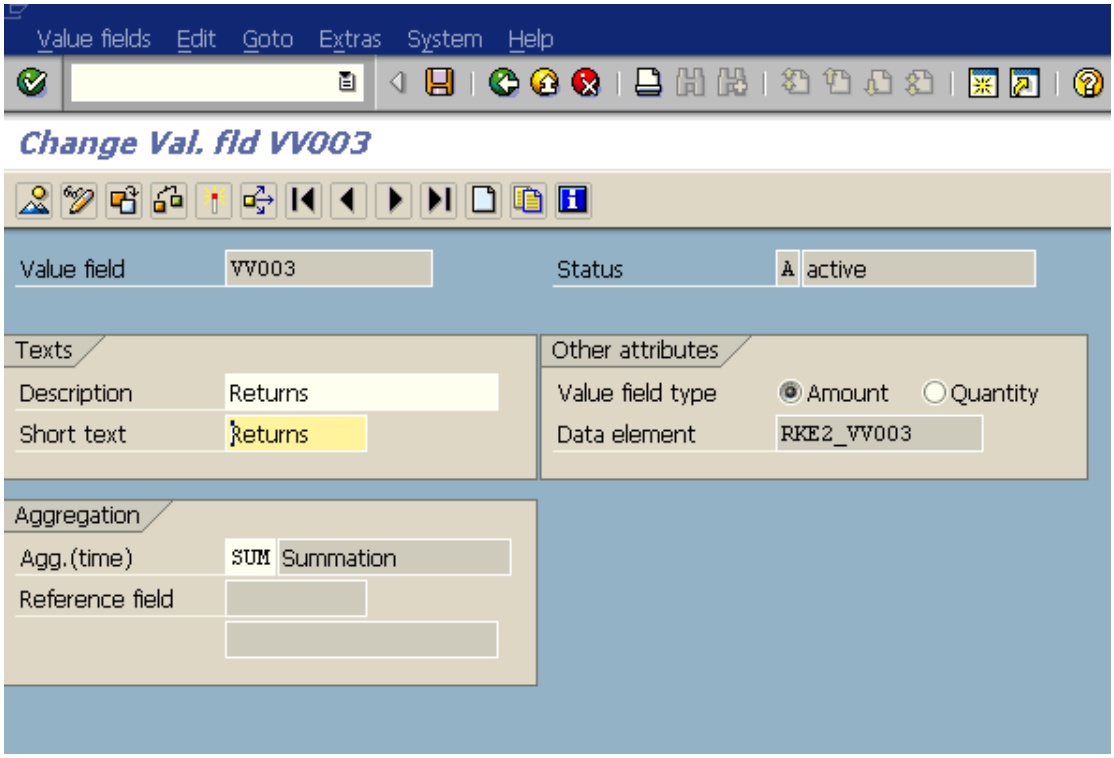
Click to create another value field





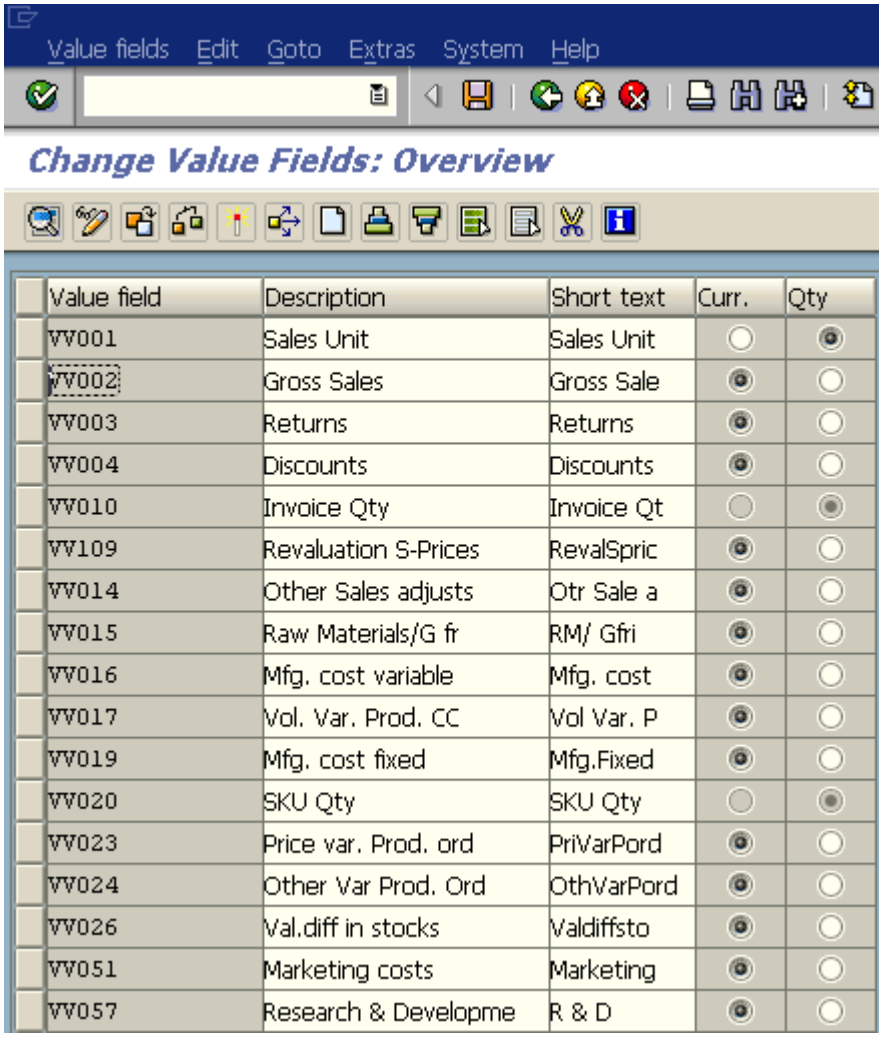
Click to activate the value field.

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



Similarly create other value fields:-

These are the value fields created by us.



Value field	Description	Short text	Curr.	Qty
VV001	Sales Unit	Sales Unit	○	◉
VV002	Gross Sales	Gross Sale	◉	○
VV003	Returns	Returns	◉	○
VV004	Discounts	Discounts	◉	○
VV010	Invoice Qty	Invoice Qt	○	◉
VV109	Revaluation S-Prices	RevalSpric	◉	○
VV014	Other Sales adjusts	Otr Sale a	◉	○
VV015	Raw Materials/G fr	RM/ Gfri	◉	○
VV016	Mfg. cost variable	Mfg. cost	◉	○
VV017	Vol. Var. Prod. CC	Vol Var. P	◉	○
VV019	Mfg. cost fixed	Mfg.Fixed	◉	○
VV020	SKU Qty	SKU Qty	○	◉
VV023	Price var. Prod. ord	PriVarPord	◉	○
VV024	Other Var Prod. Ord	OthVarPord	◉	○
VV026	Val.diff in stocks	Valdiffsto	◉	○
VV051	Marketing costs	Marketing	◉	○
VV057	Research & Developme	R & D	◉	○

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

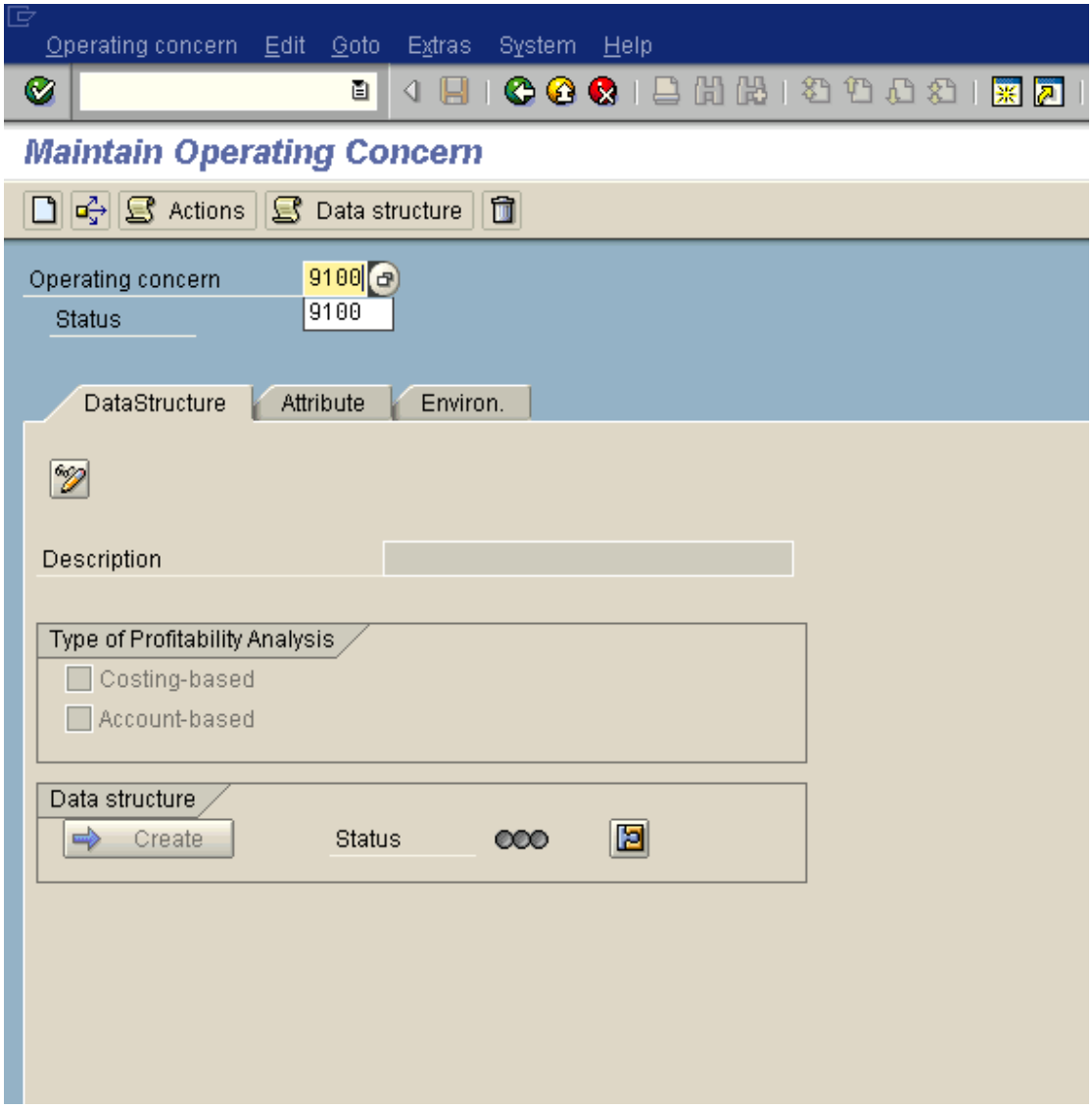
CE3XXXX – Summary records by profitability segments

CE4XXXX - Profitability segment definitions

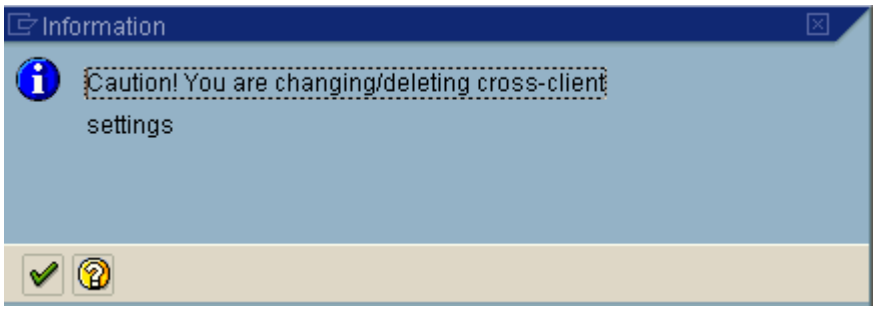
It is important to note here that no customizing request get generated here. You have to transport the setting through a separate transaction code called as KE3I. We will refer specifically wherever customizing requests get generated. This means you do not have to use the program KE3I for some customizing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

We are configuring the costing based co-pa.

Update the following:-

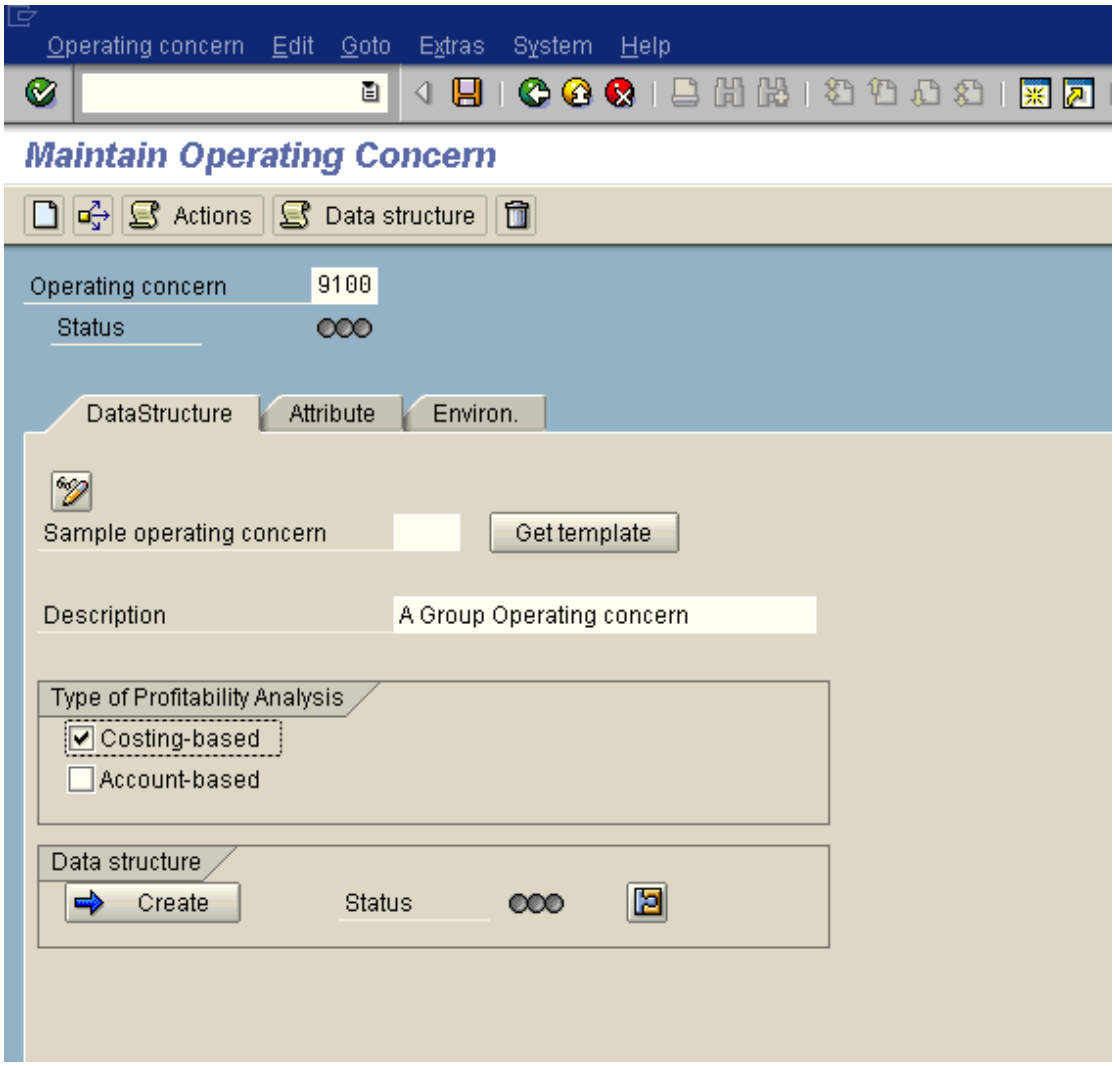


Click on create



Click

Update the following:-



Click

Currency types

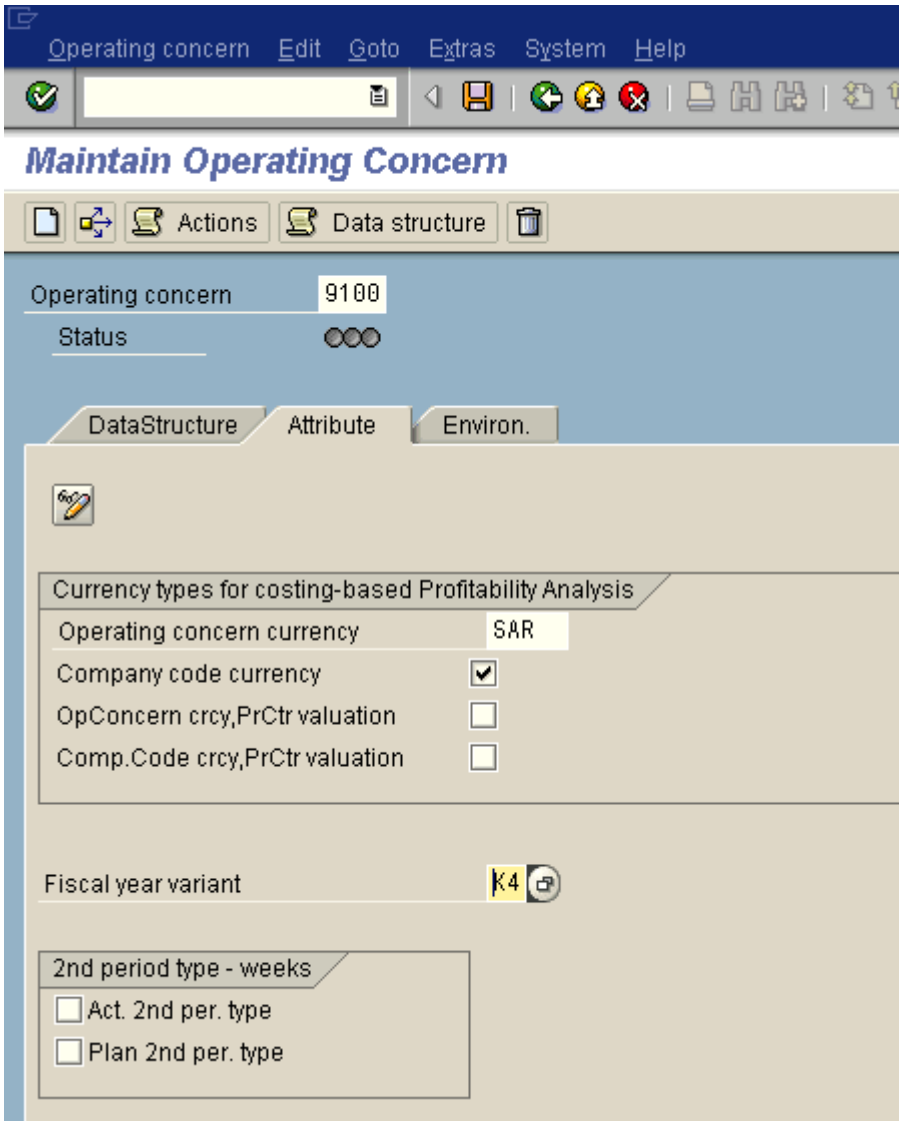
- **Operating concern currency** In costing-based Profitability Analysis, actual data is always updated in the operating concern currency.
- **Company code currency** In addition to the operating concern currency, you have the option of storing all data in the currency of the relevant company code as 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.

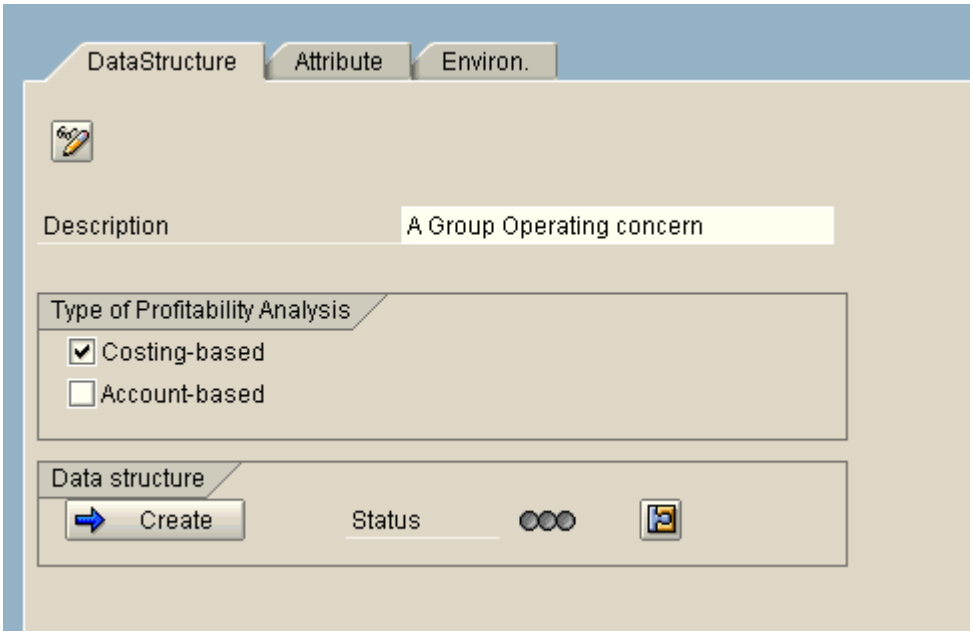
Please remember that the company code currency is only to be switched on, if you have a single controlling area and a single operating concern for multiple company codes operating in different countries. Switching on the company code significantly increase your data volume.

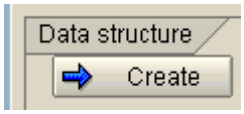
Fiscal year variant:-The fiscal year variant should match with the controlling area fiscal year variant and the company code fiscal year variant. We select K4 since Company code 9100; controlling area 9100 has the same fiscal year variant.

Update the following:-

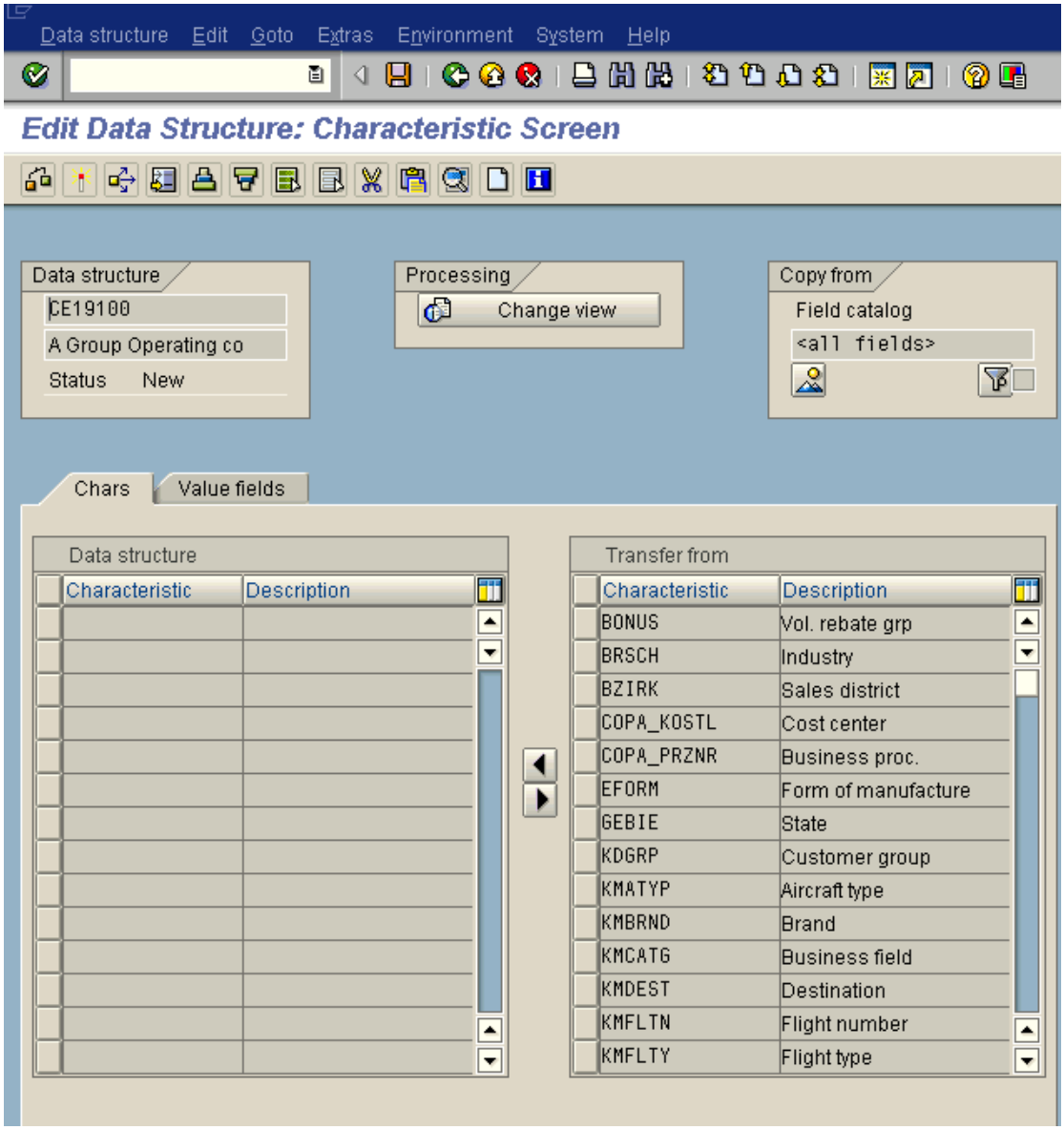


Click on **Save**

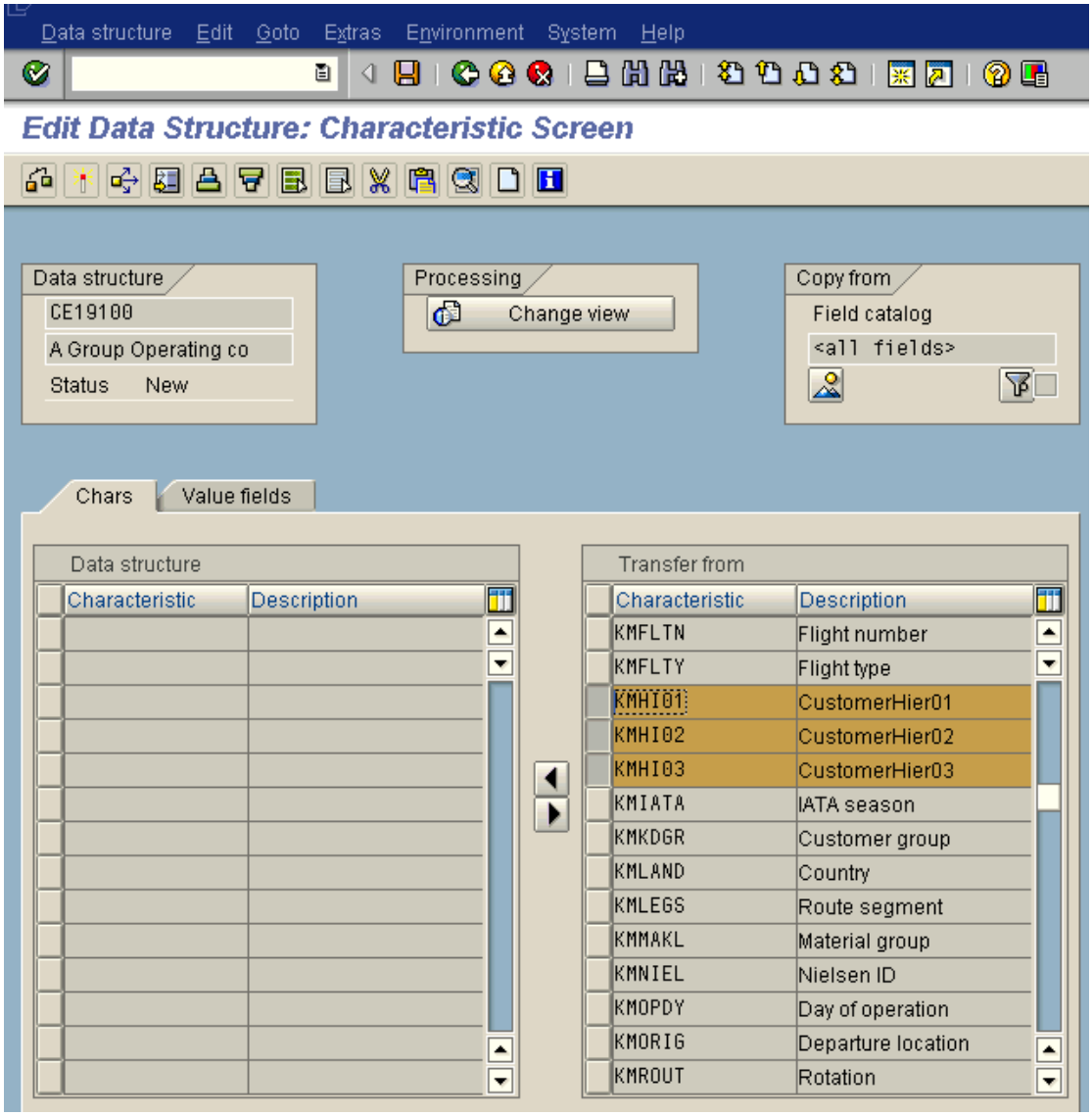


Click on 

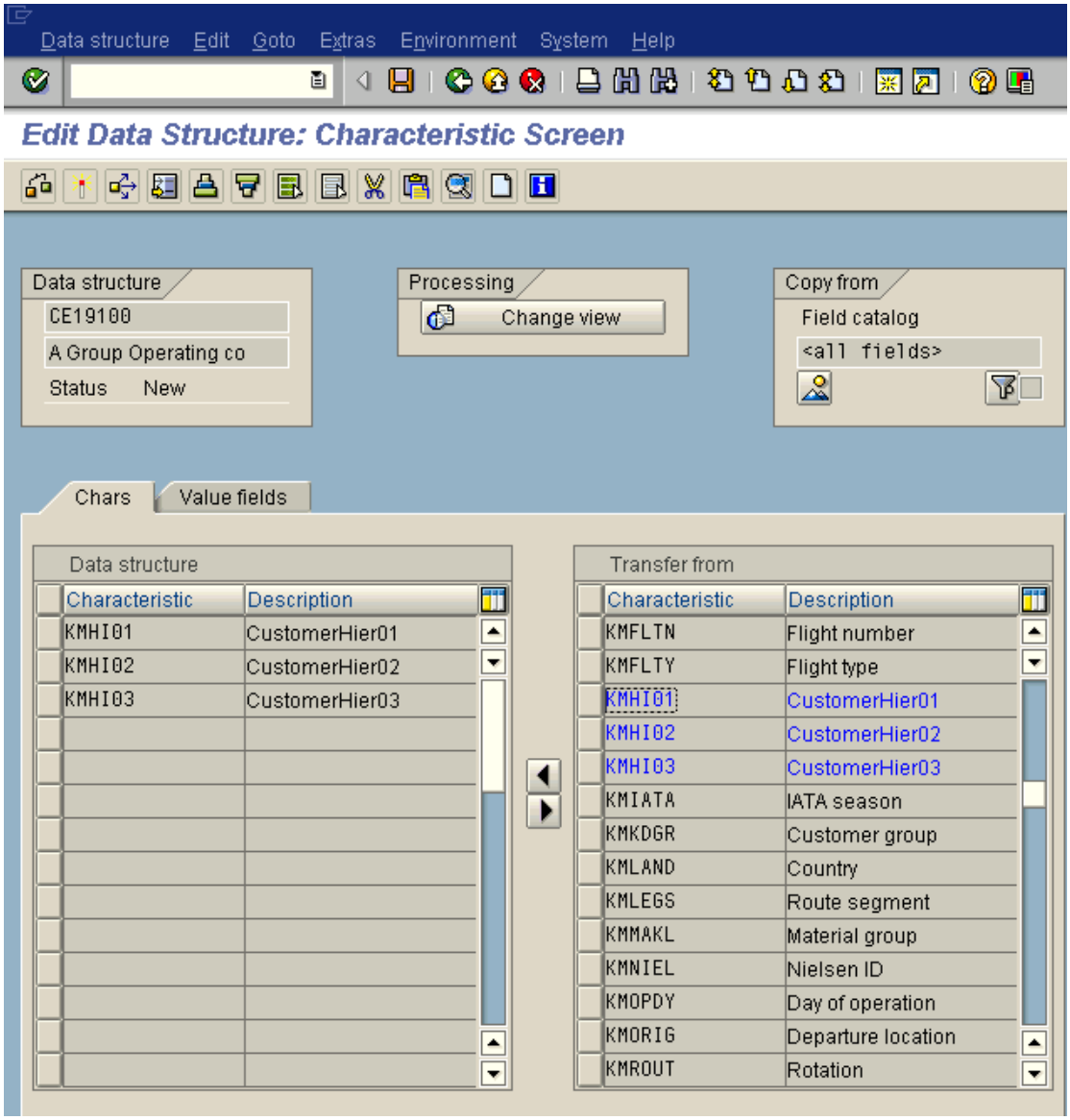
Here we need to select the characteristics available, into our operating concern. On the right side are shown available characteristic, you need to select and take it to the left side.



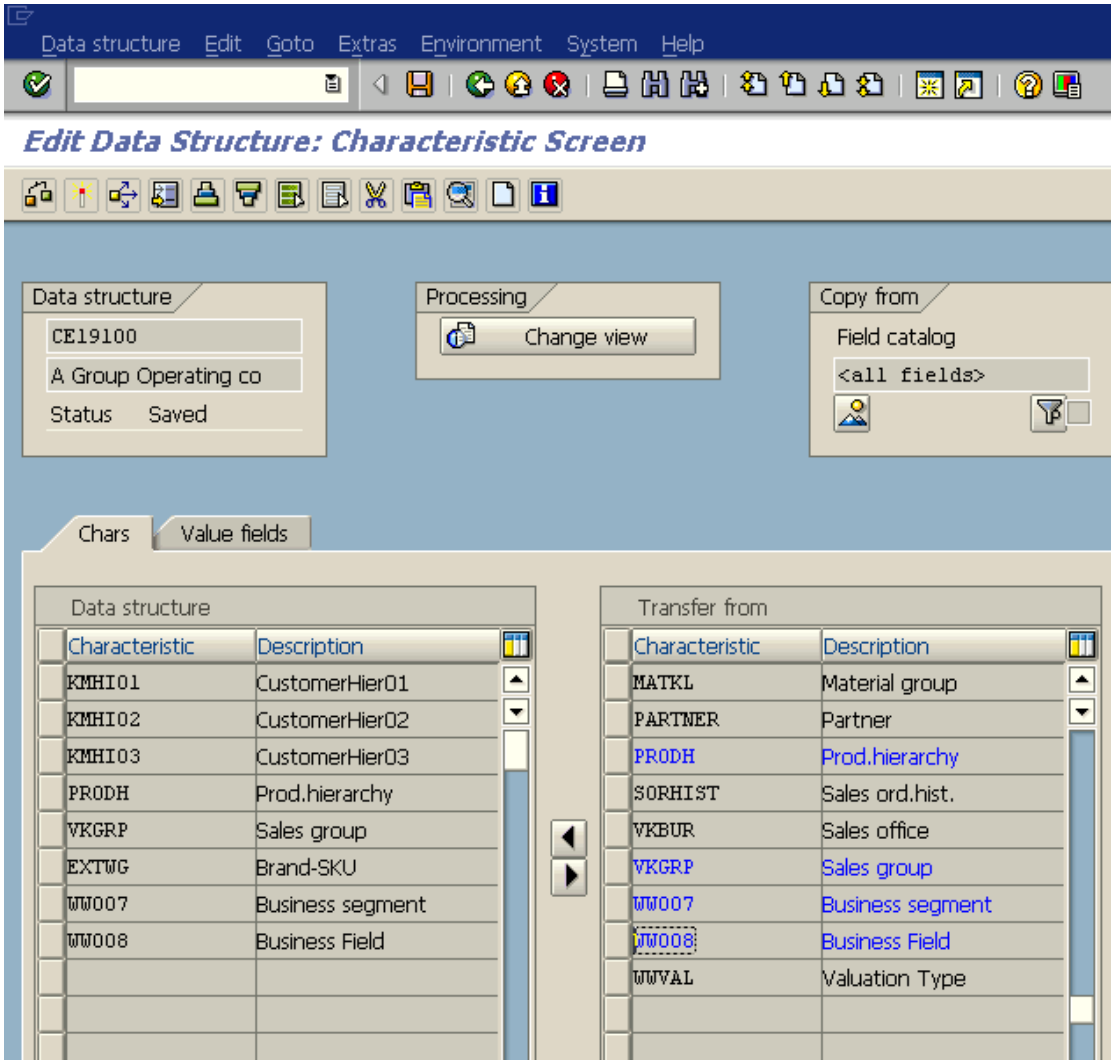
Select the following characteristic from the available characteristic



Click to transfer the characteristic

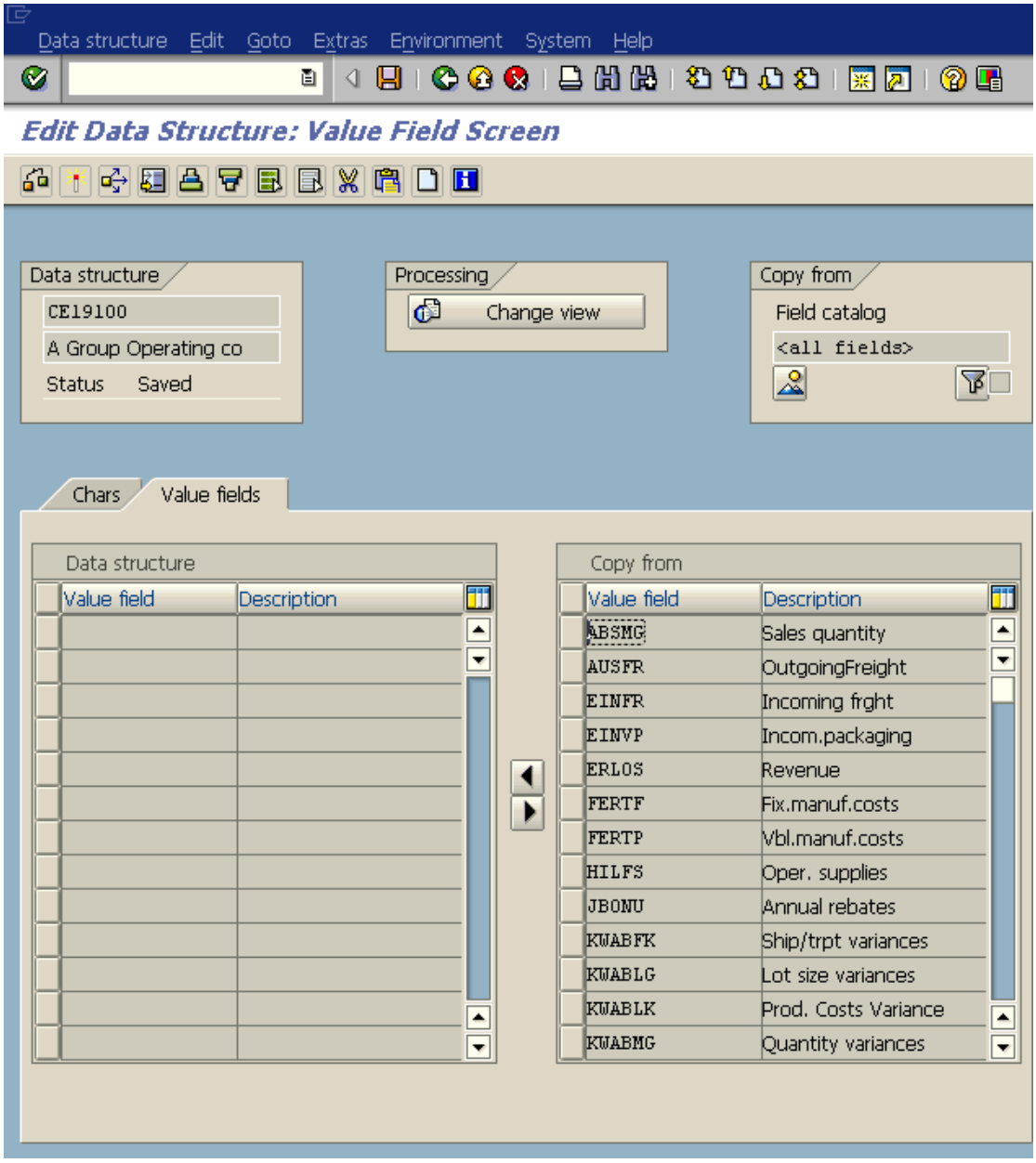


Similarly select other, which will look like this



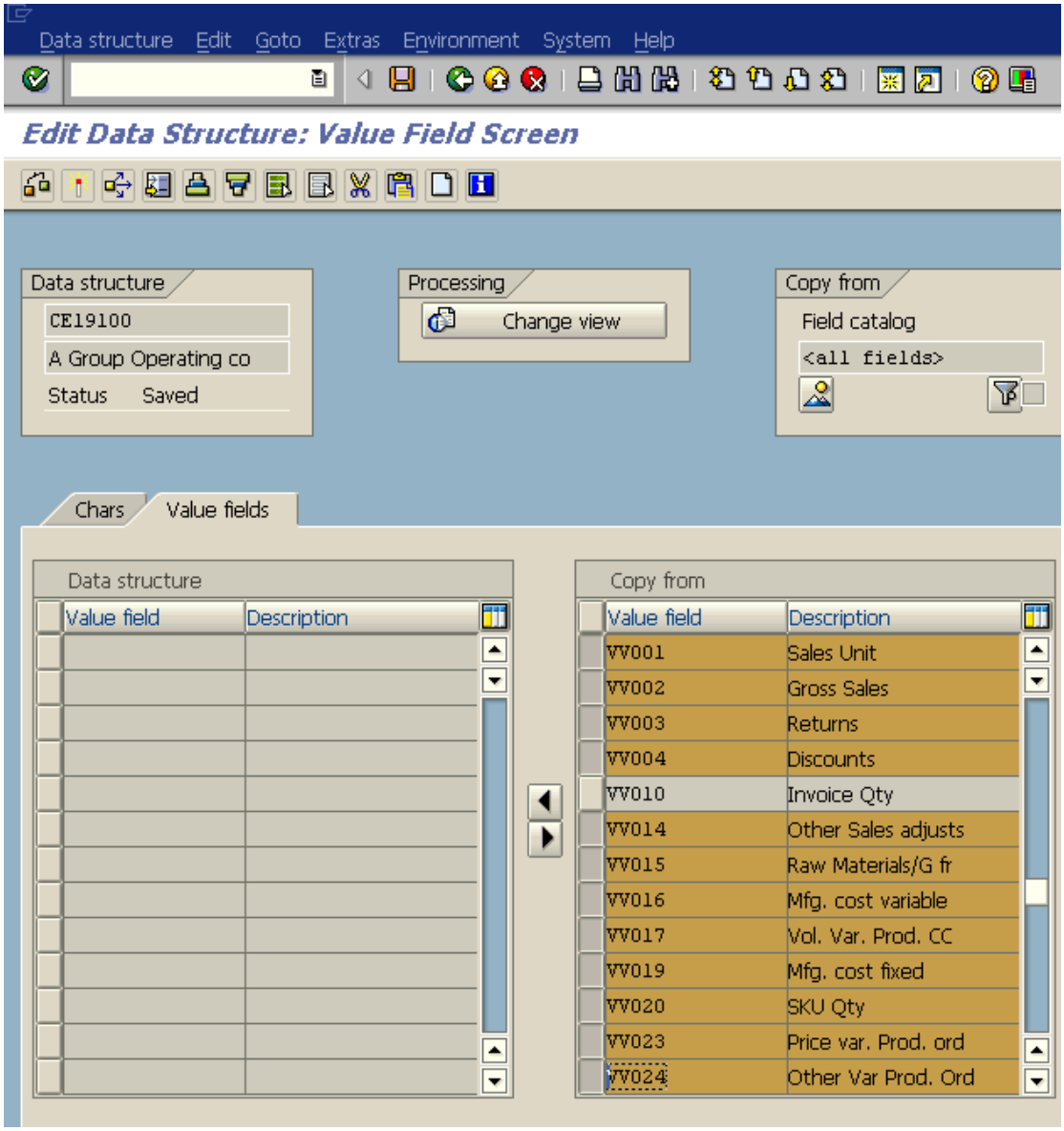
Click

Similarly select the value fields into our operating concern.

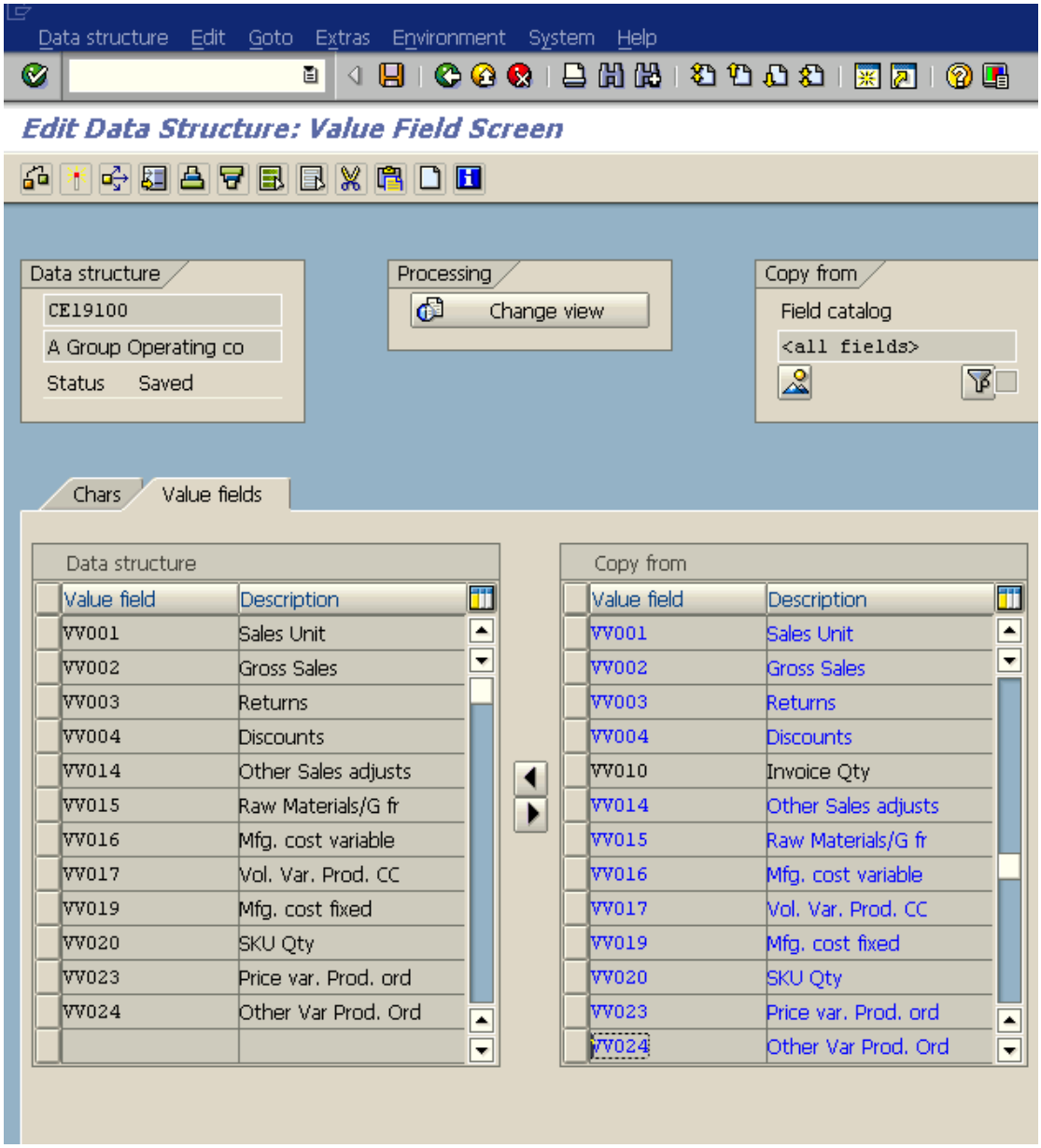


Click to scroll down to next page of value field until you see the value fields created by us such as VV001 Sales unit

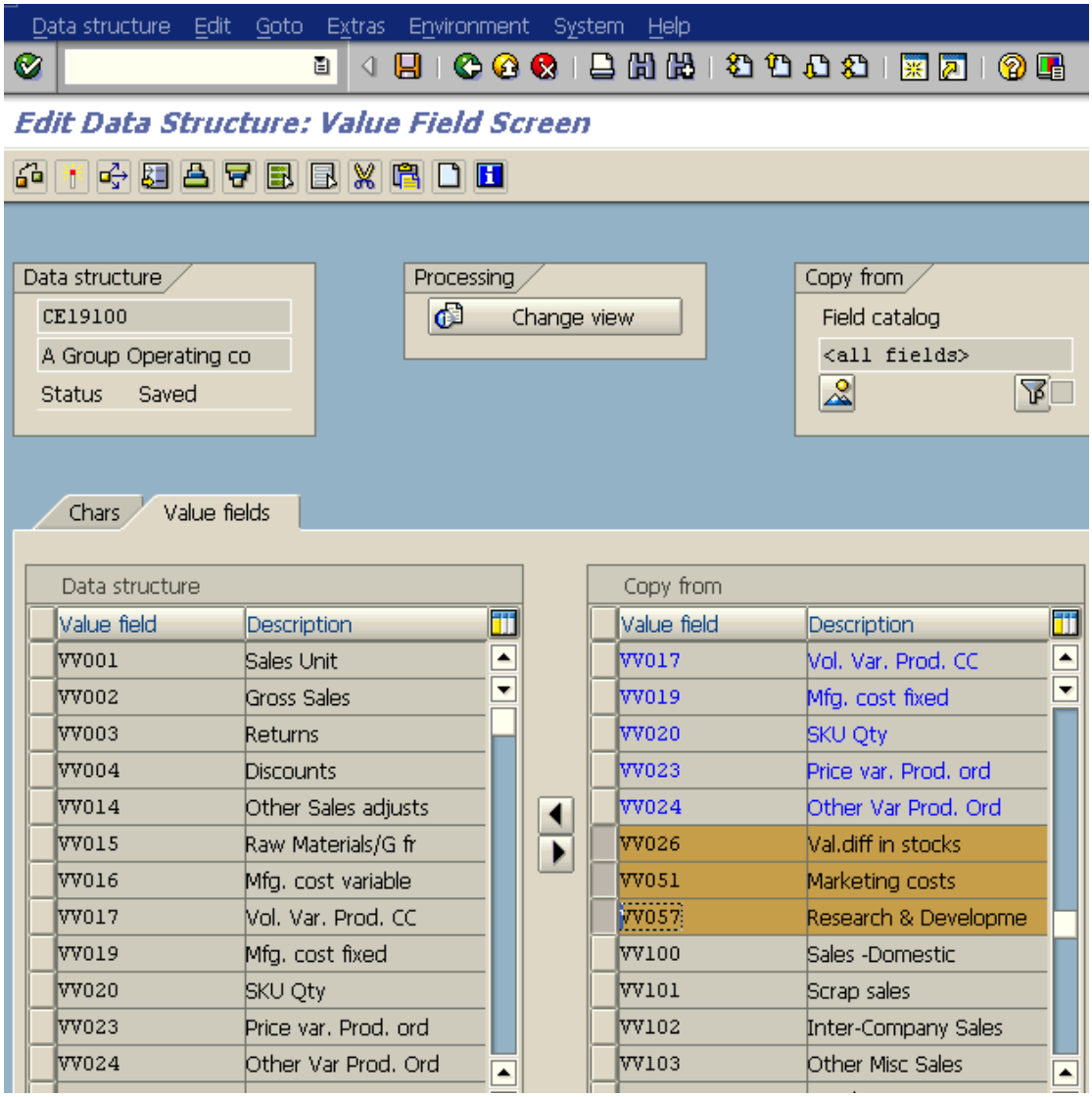
Select these value fields


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
Data structure
Value field
Description
Copy from
Value field
Description
VV001 Sales Unit
VV002 Gross Sales
VV003 Returns
VV004 Discounts
VV010 Invoice Qty
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

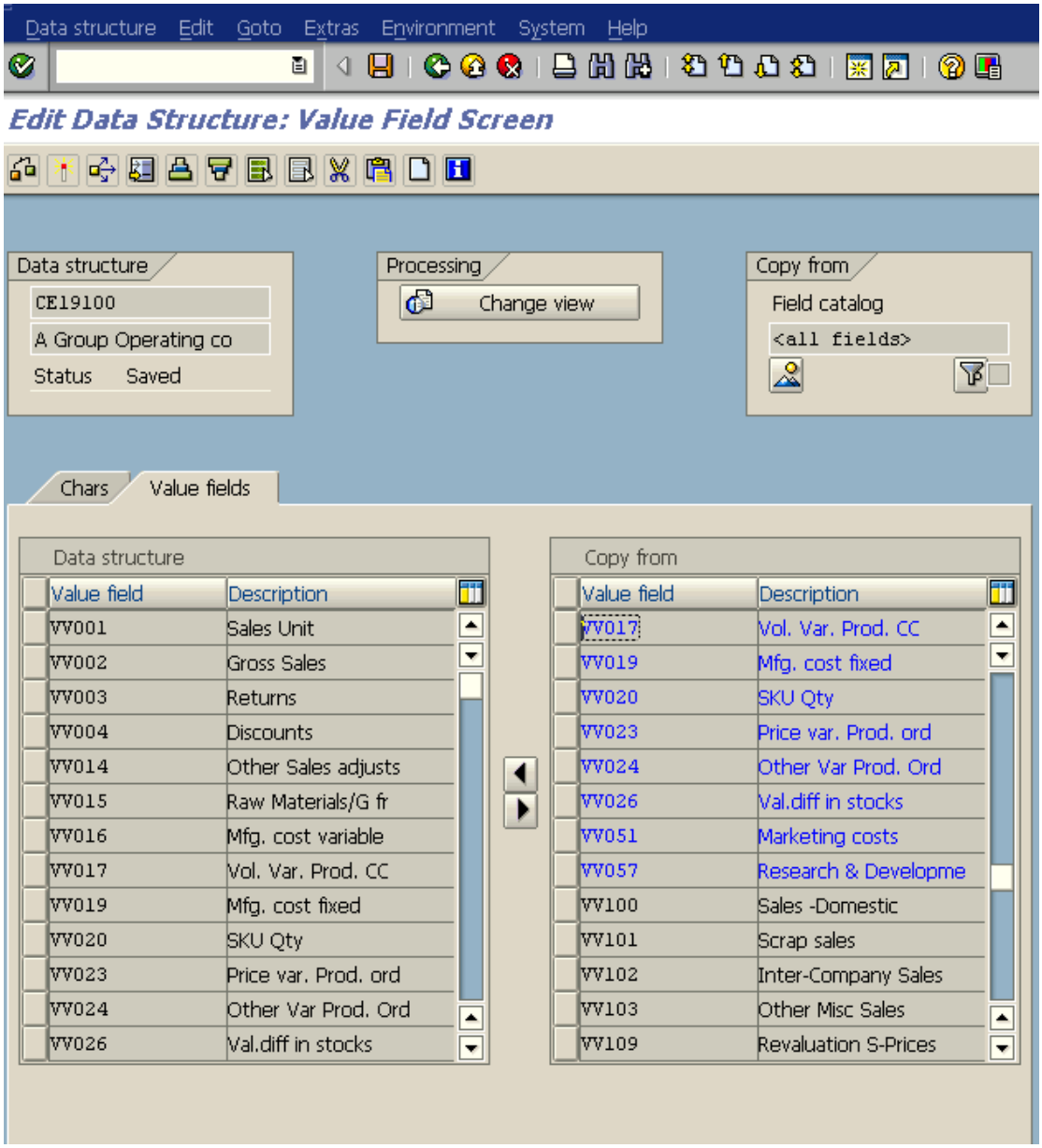
Click



Further select all other value fields created by us

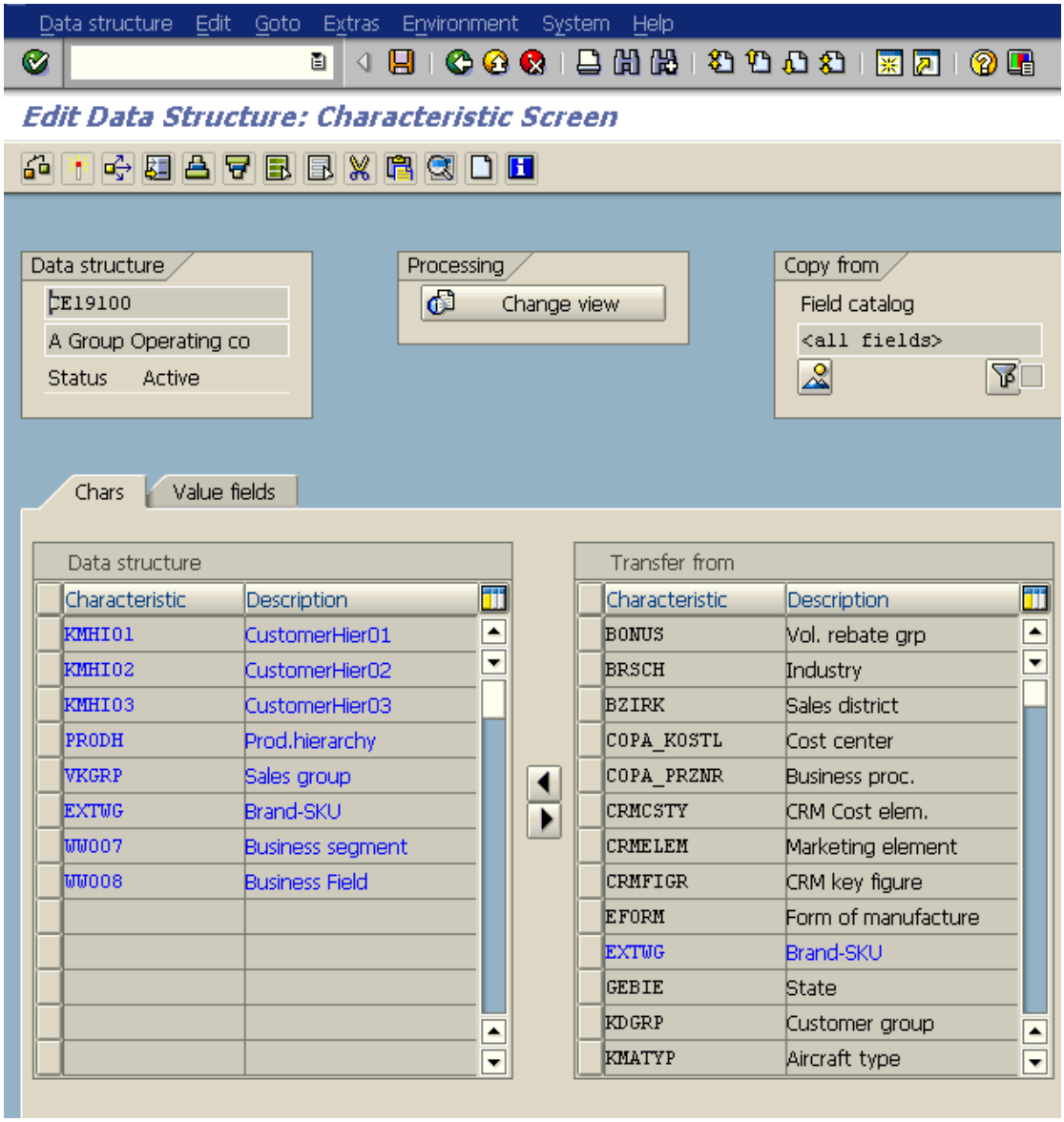

Data structure Edit Goto Extras Environment System Help
Edit Data Structure: Value Field Screen
Data structure
CE19100
A Group Operating co
Status Saved
Processing
Change view
Copy from
Field catalog
<all fields>
Chars
Value fields
Data structure
Value field Description
VV001 Sales Unit
VV002 Gross Sales
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
Copy from
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

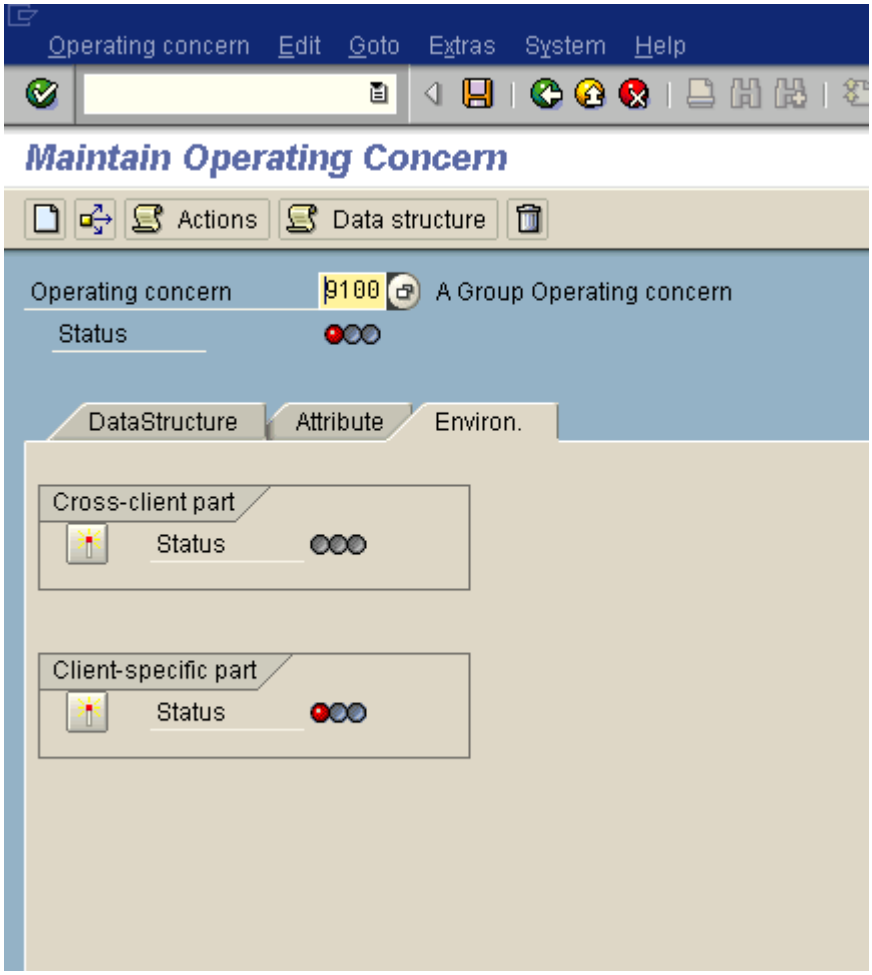


Click Back

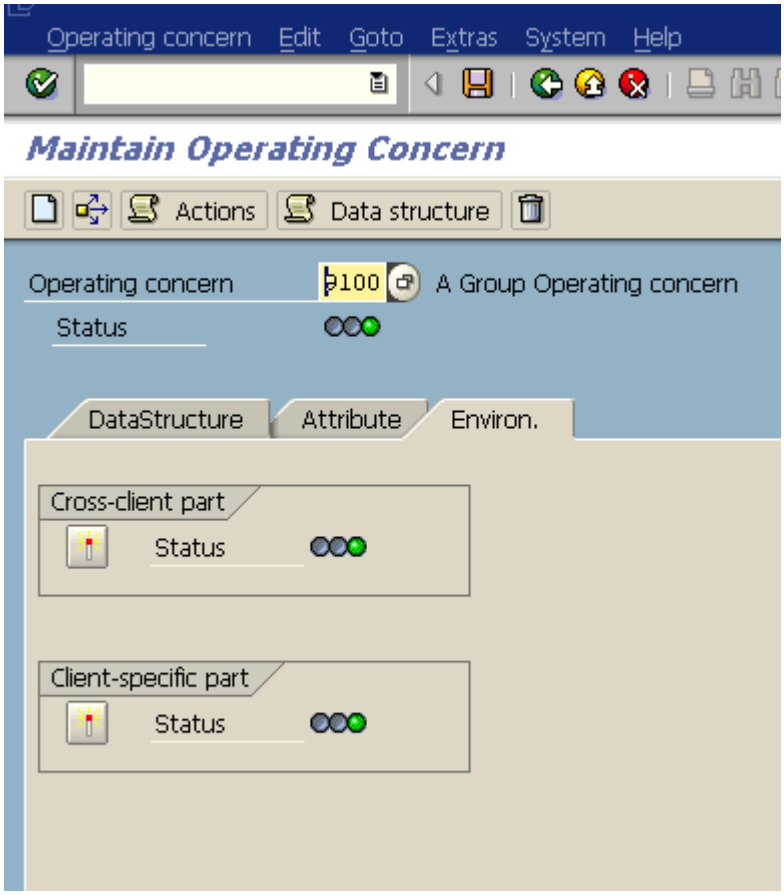
Here you might get a pop up asking 'Whether you want to generate the operating concern now'. You can select **Yes** to generate the operating concern.

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

Click on


Operating concern
Edit
Goto
Extras
System
Help
Maintain Operating Concern
Actions
Data structure
Operating concern
9100
A Group Operating concern
Status
DataStructure
Attribute
Environ.
Cross-client part
Status
Client-specific part
Status

Click
Client-specific part
Status
click



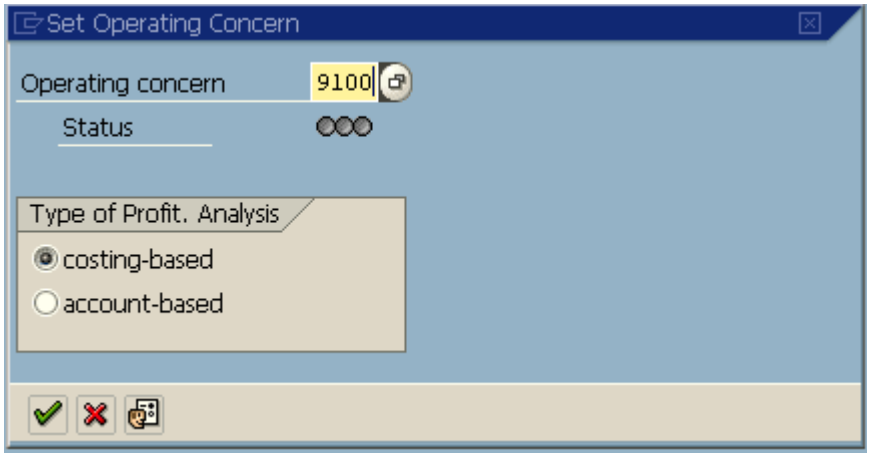
Remember both the Cross client part and client specific part should show green indicator, which indicator the operating concern environment has been generated successfully.

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.

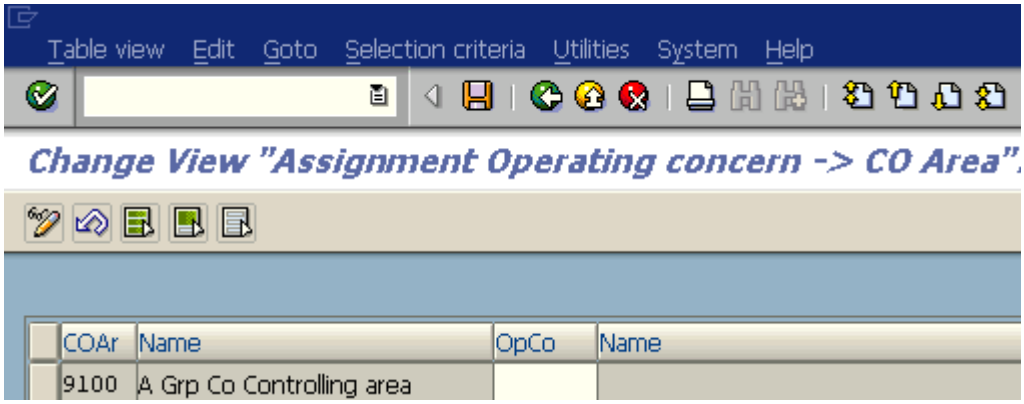


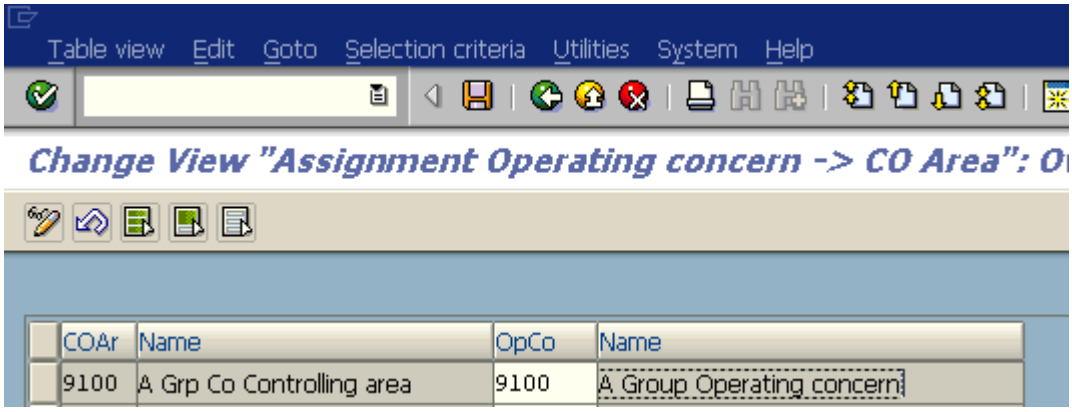
1.5 Assign controlling area to operating concern

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.

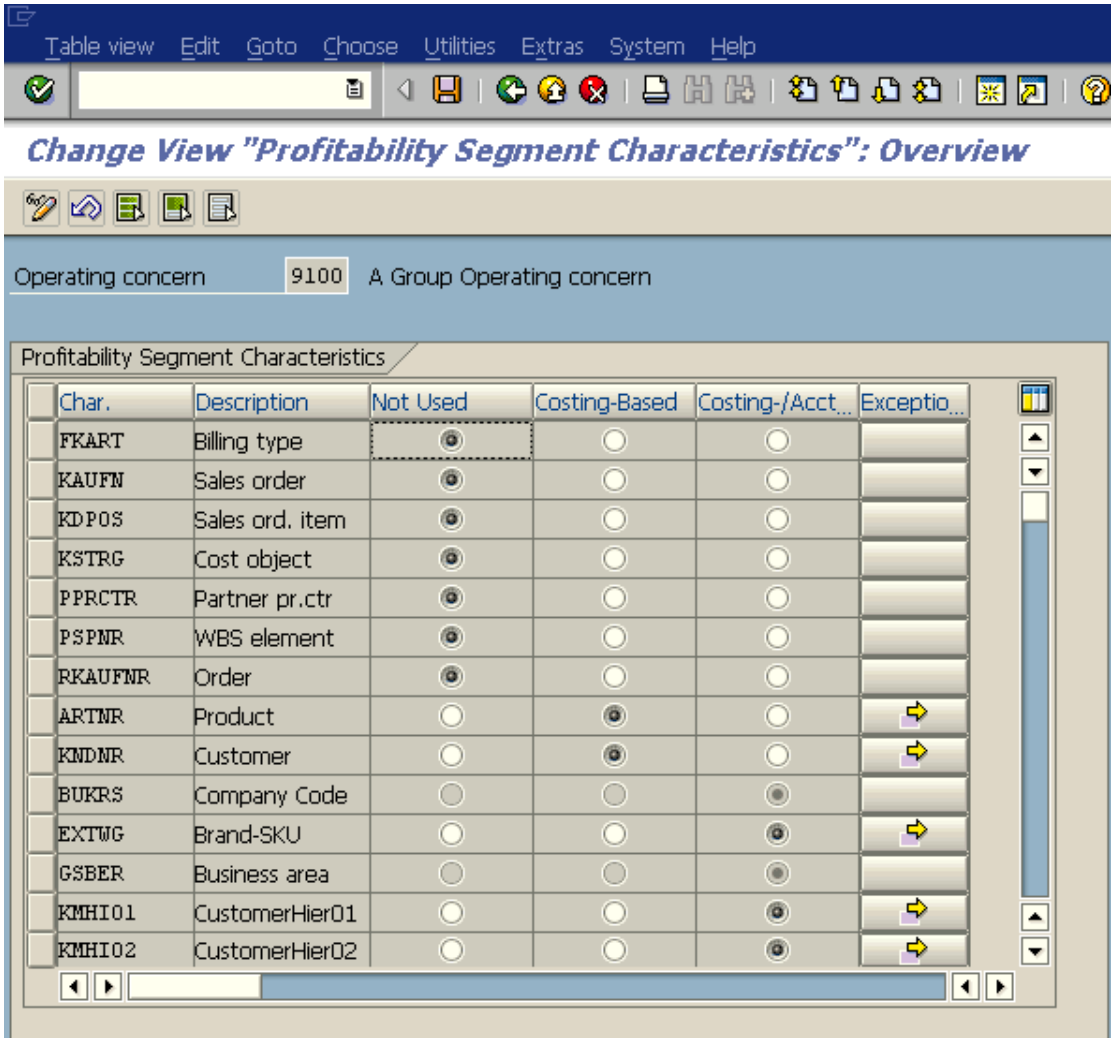
It is possible to configure the system so that certain characteristics are not used in defining profitability segments. The impact of this is that the values for these non-segment-level characteristics will appear on CO-PA line items, but will not be available for reporting with the CO-PA drill-down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

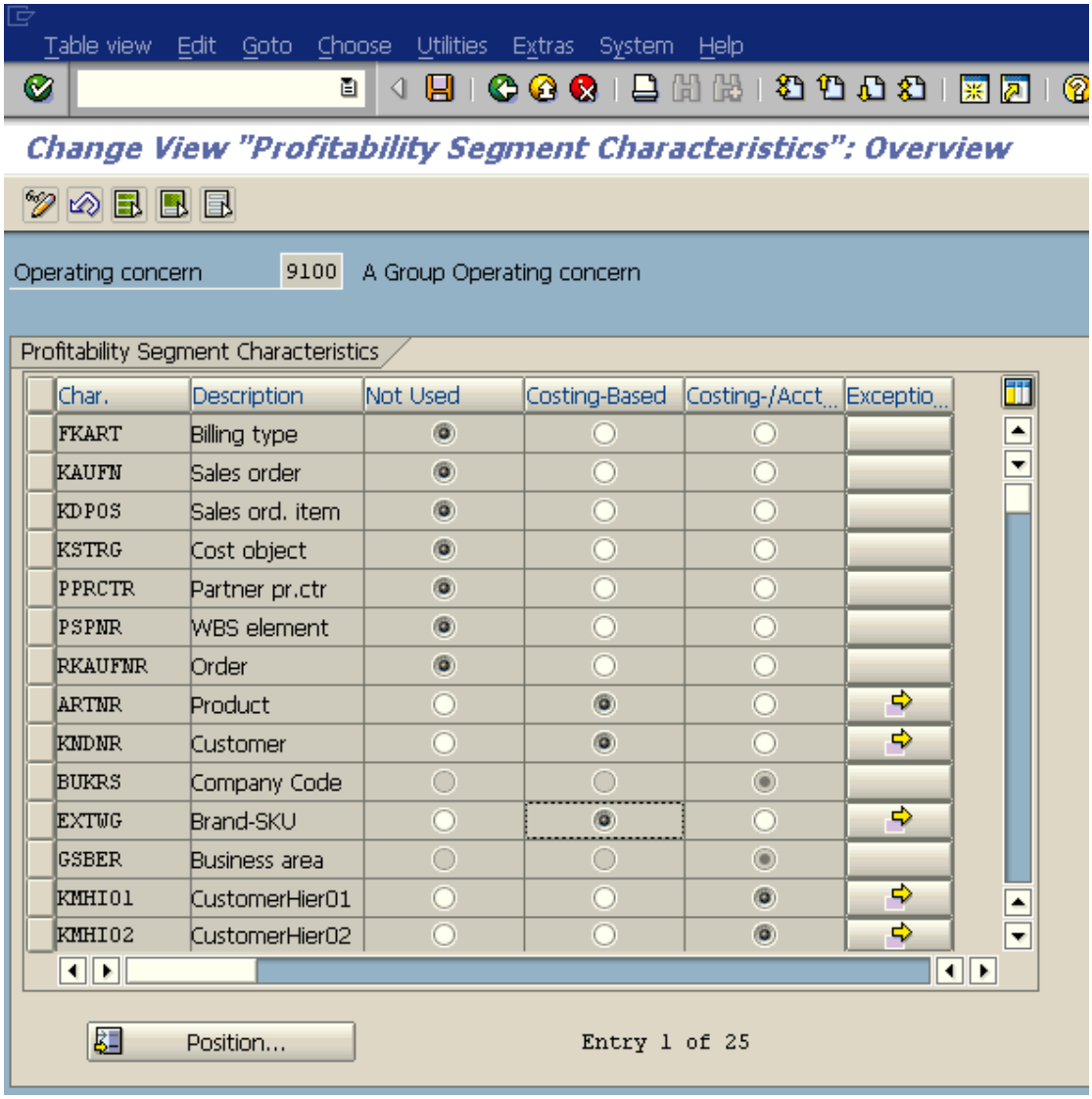
Thus, when we create a new operating concern, the relevant table is automatically set so that the following characteristics are not used to form the profitability segments:

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

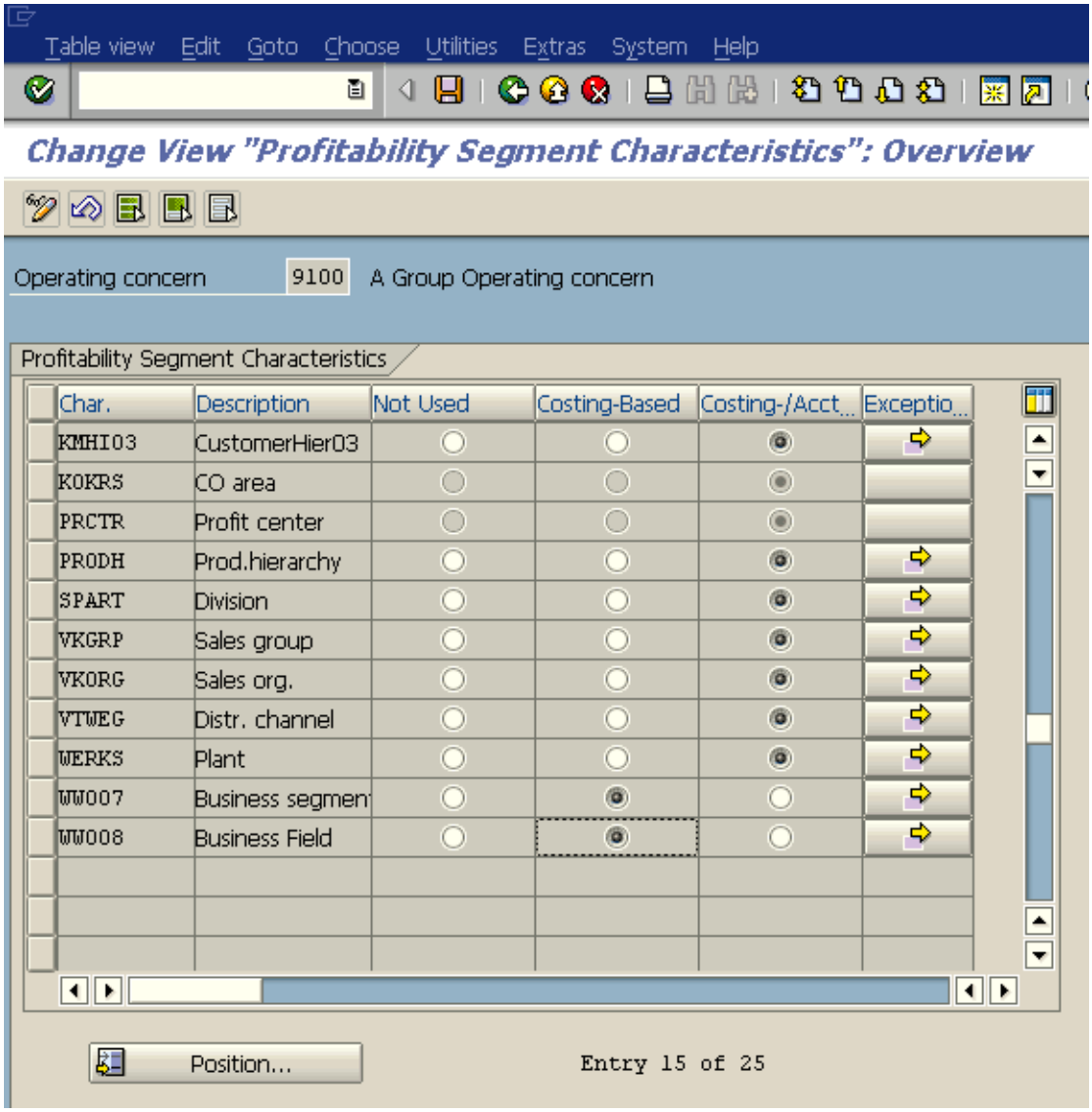
=> **Customizing request generated here**



Make **EXTWG** as costing based



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



Click on **Save**

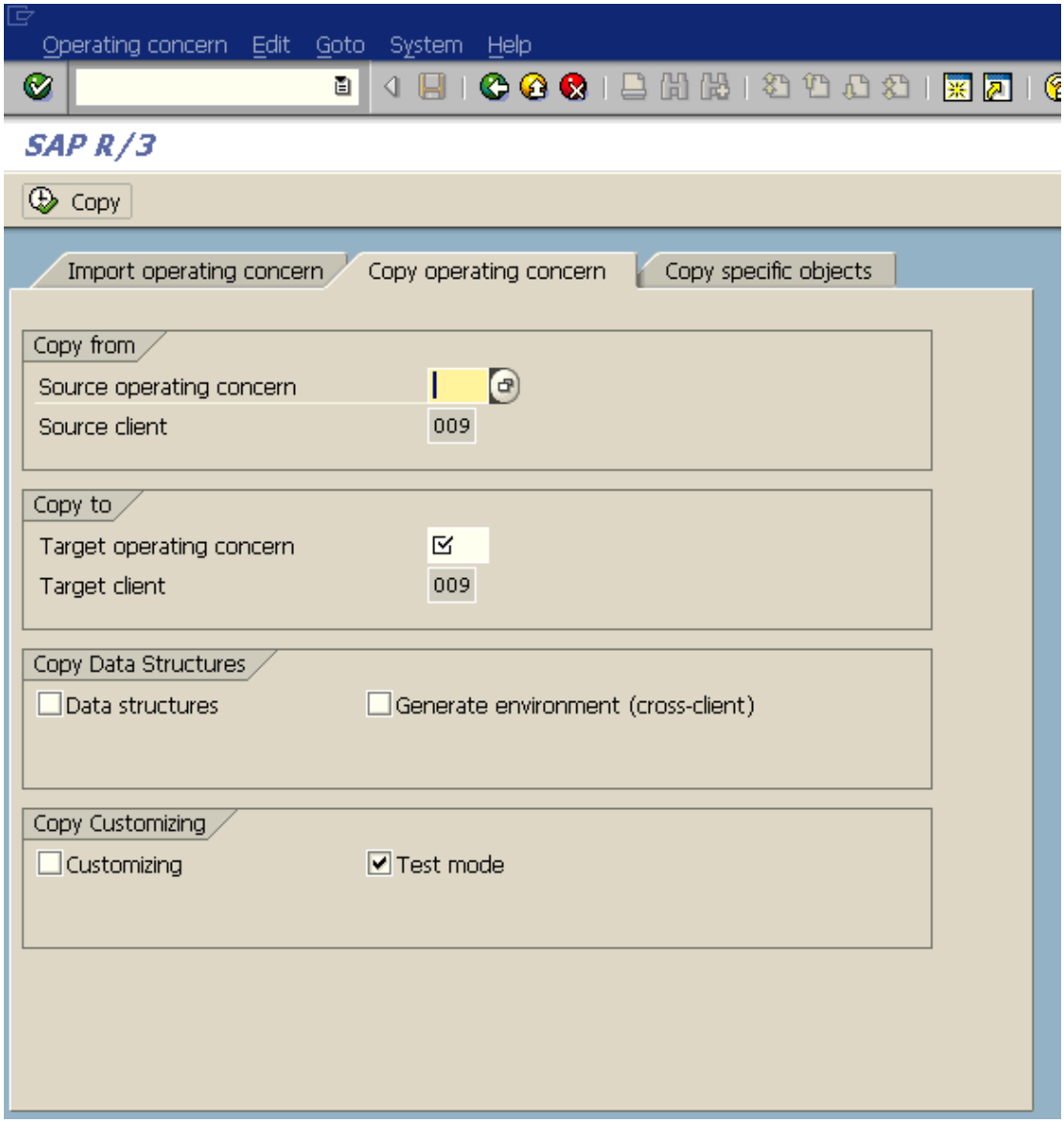
1.7 Copy Operating Concern including Customizing

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.

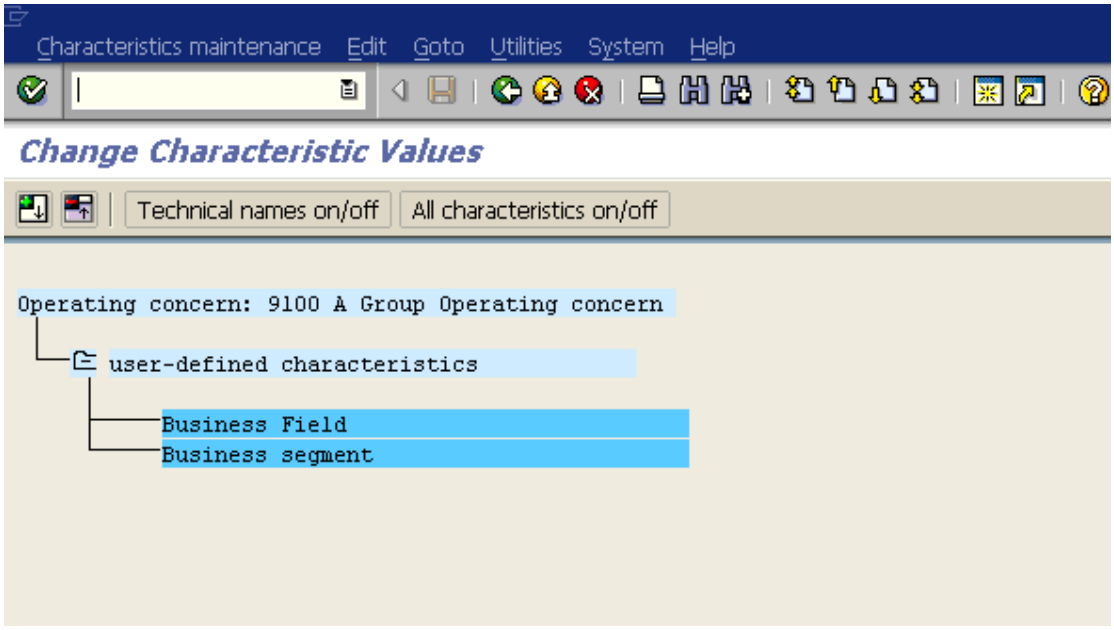


2. Master Data

2.1 Maintain Characteristics values

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

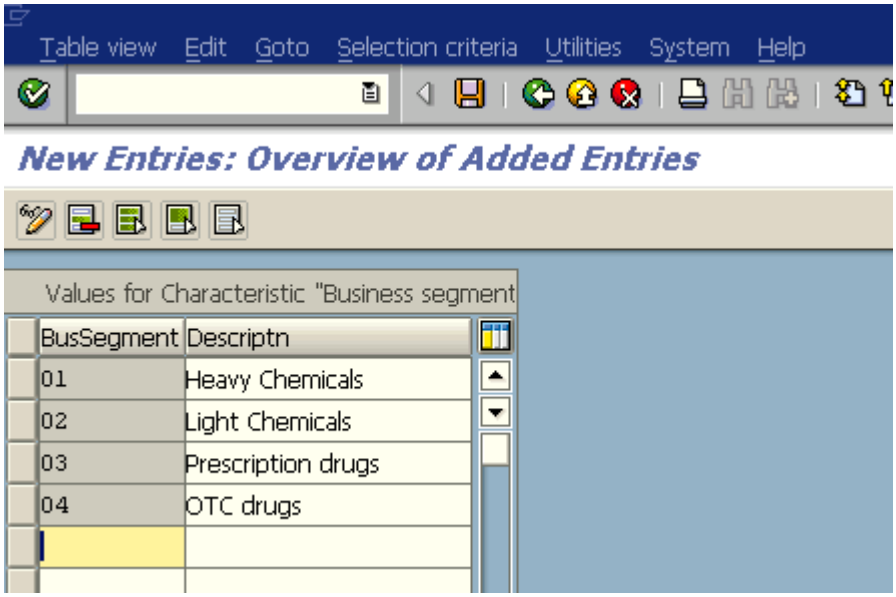
Here we maintain the values for the user defined characteristics.



Double click Business segment

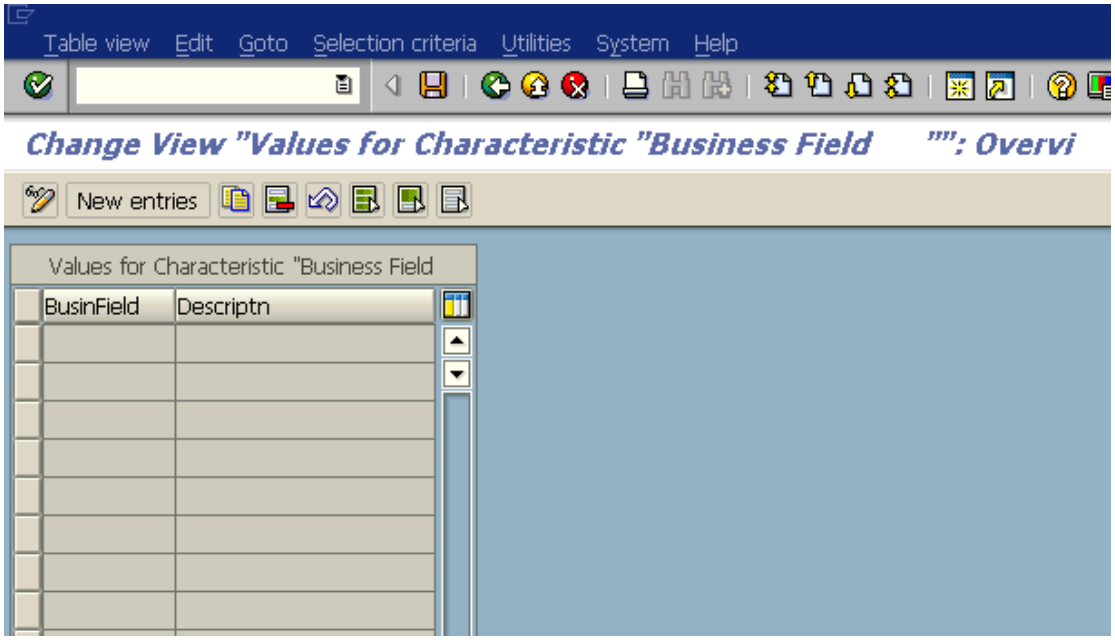
Click on New entries

Update the following:-

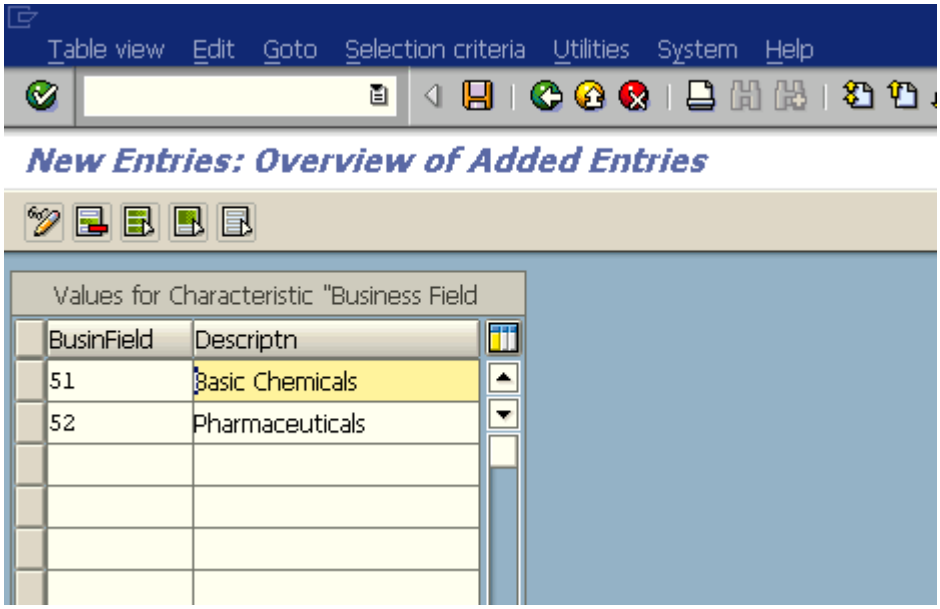


Click on **Save**

Double click



Click on



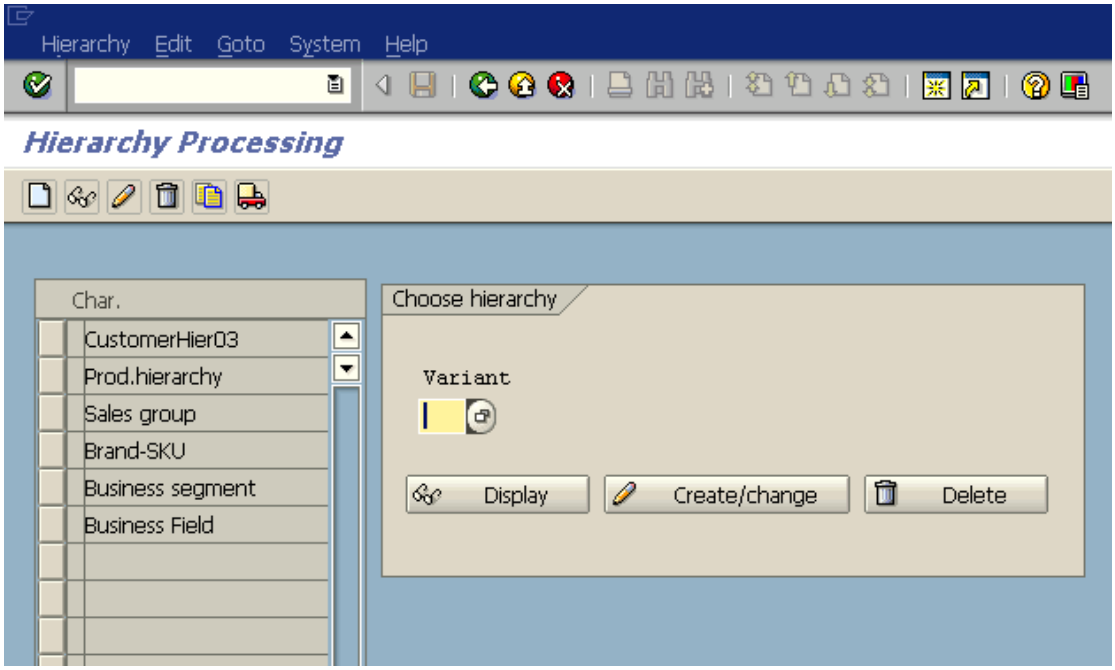
Click on

2.2 Define Characteristics Hierarchies

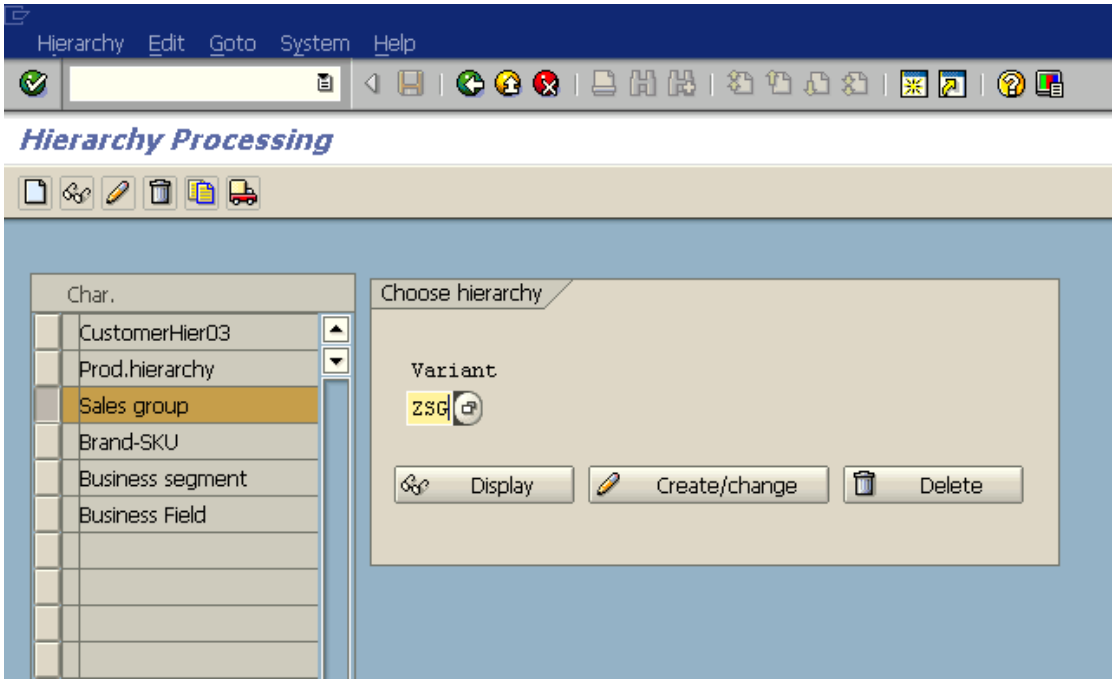
IMG → Controlling → Profitability Analysis → Master Data → Characteristic Values → Define Characteristics Hierarchies

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.

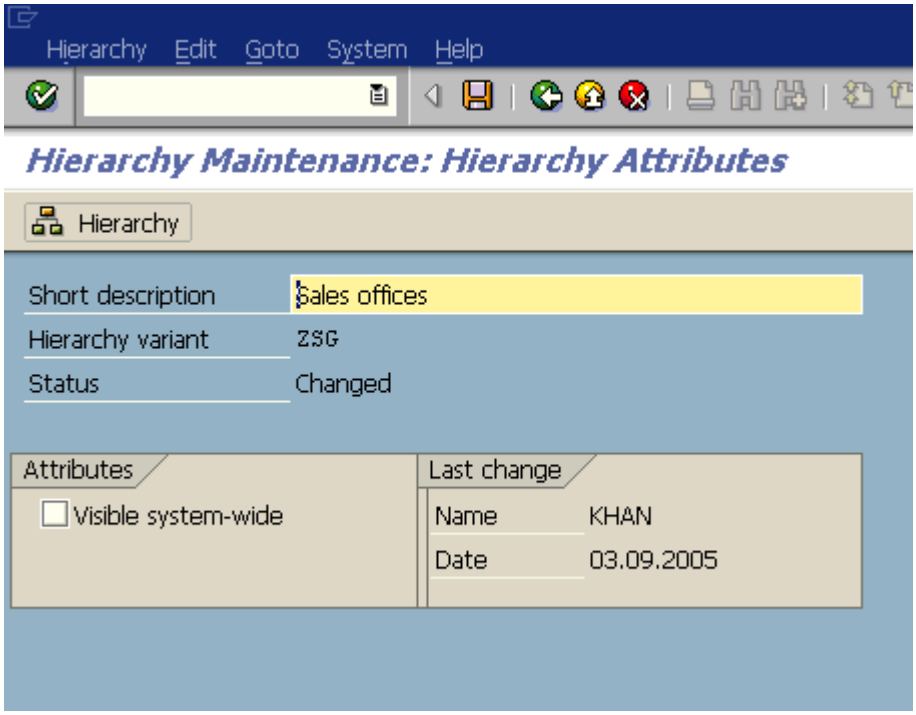


Select Sales group and update the following:-



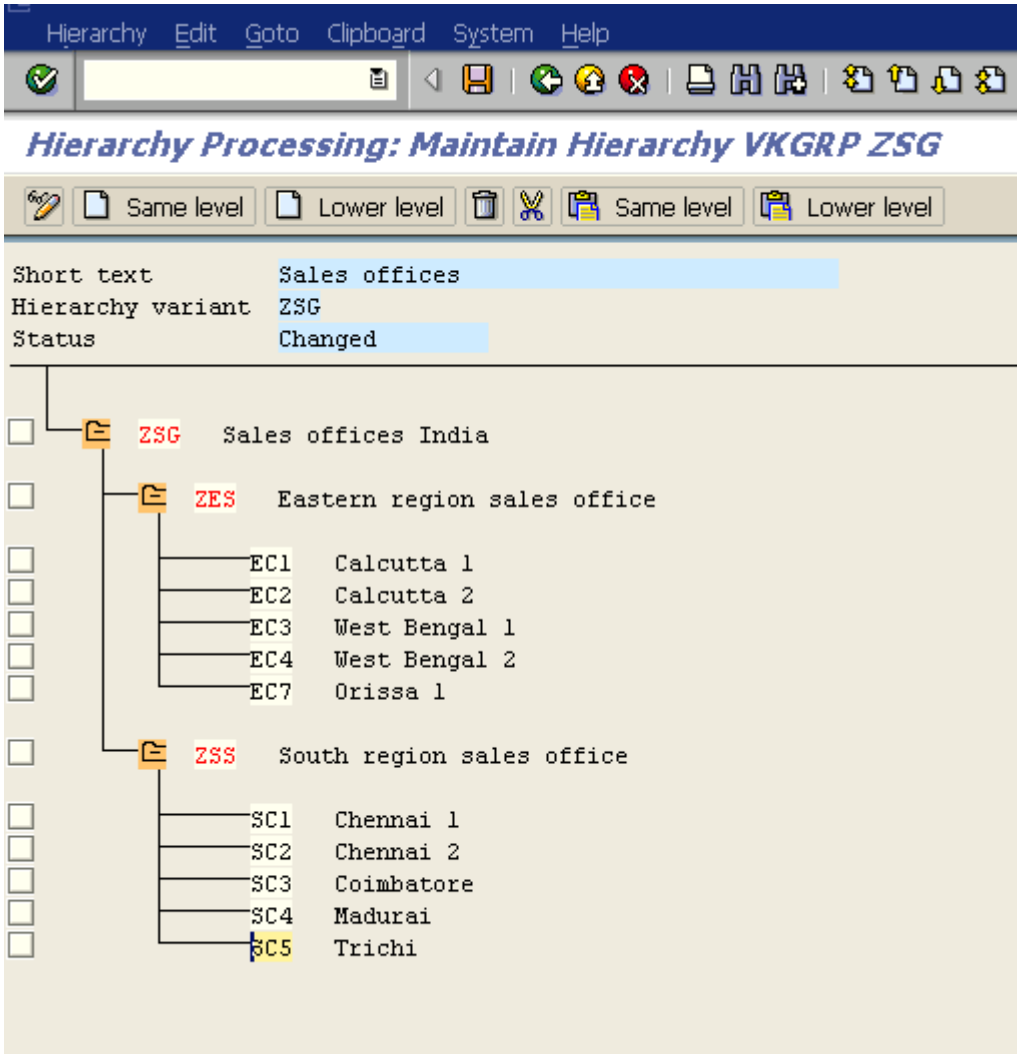
Click

Update the following:-



Click **and 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.

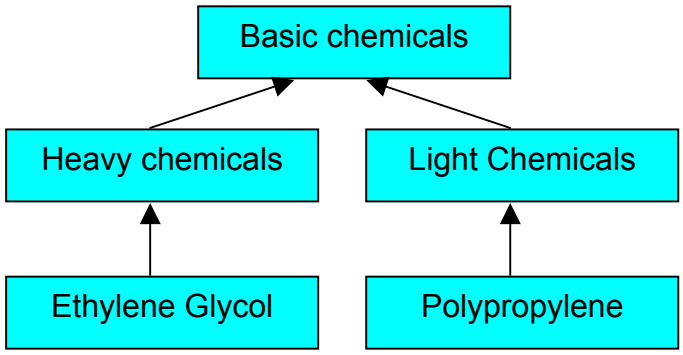
In our scenario we have to make the following derivation strategy.

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

Business Field

Business Segment

Strategic business unit



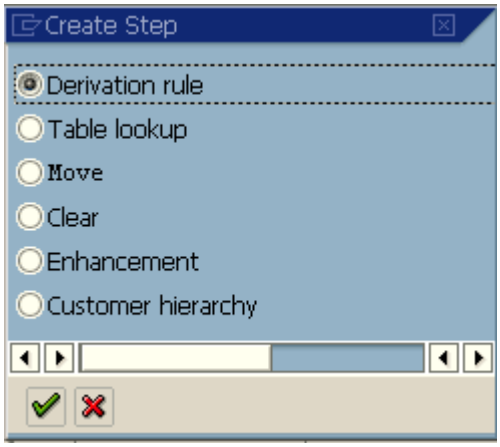
Thus strategic business unit (SBU) is the lowest level node in the product line structure. The SBU is again a grouping of all similar products. In our scenario the SBU is represented by the field EXTWG (Brand-SKU). This field is available in the basic view of the material master. All the finished products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

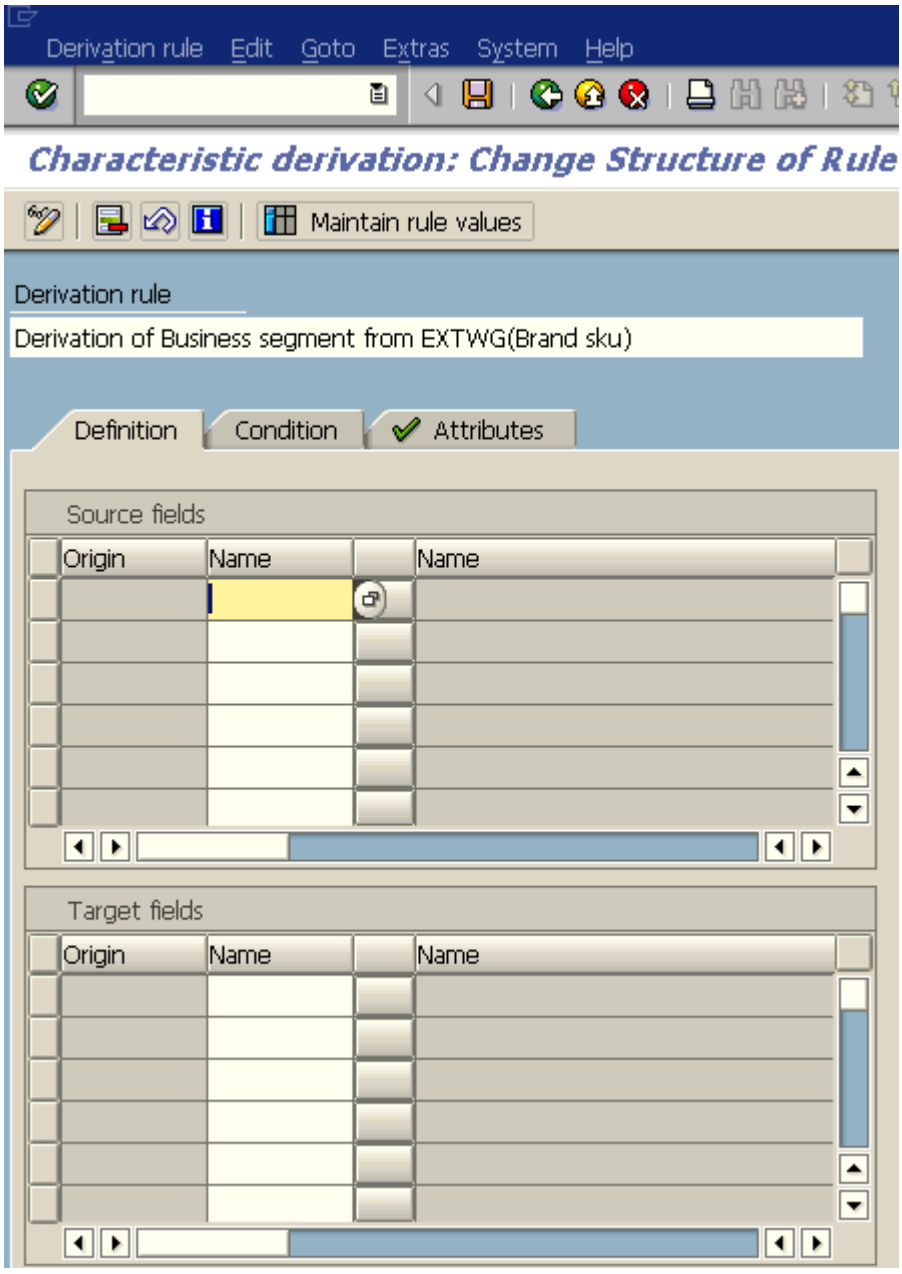
Click

Select Derivation rule



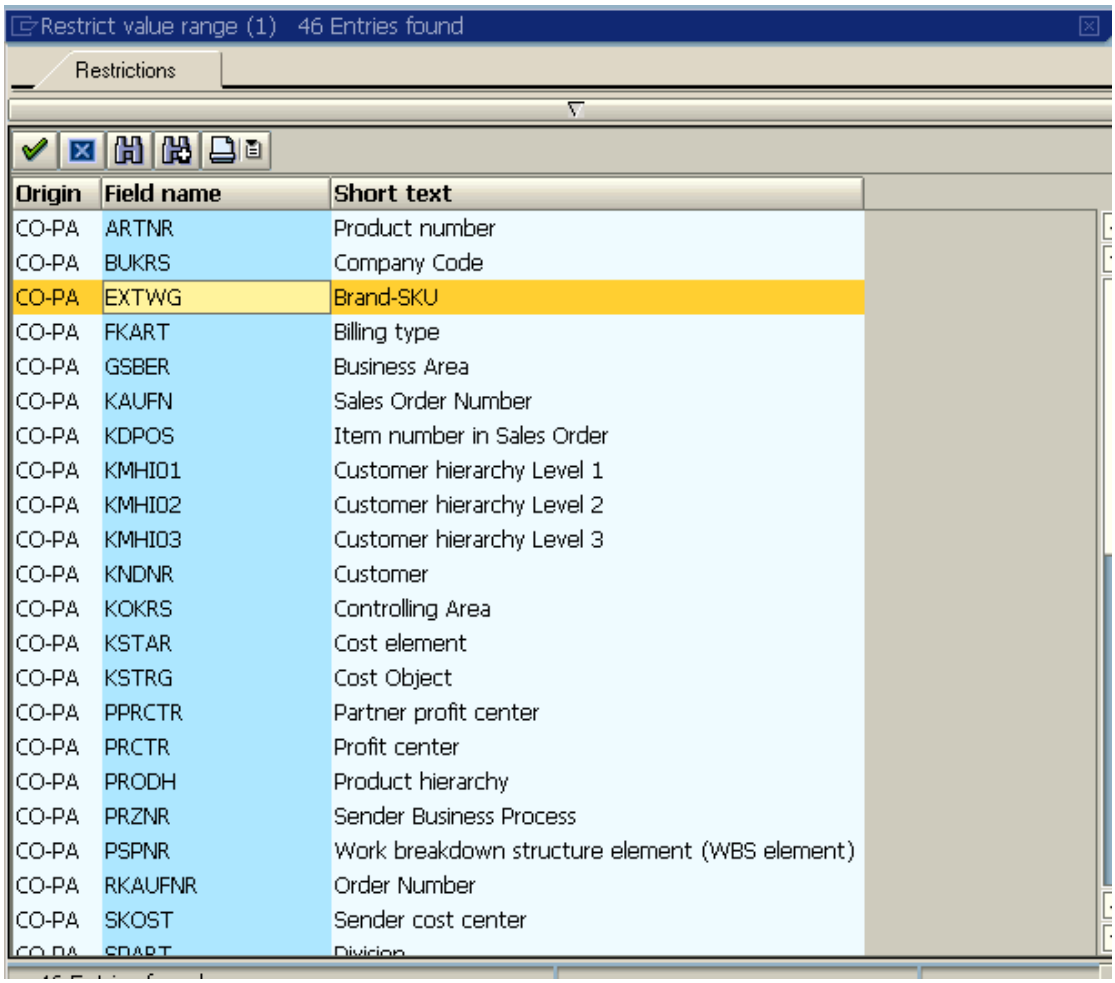
Click

Update the following:-

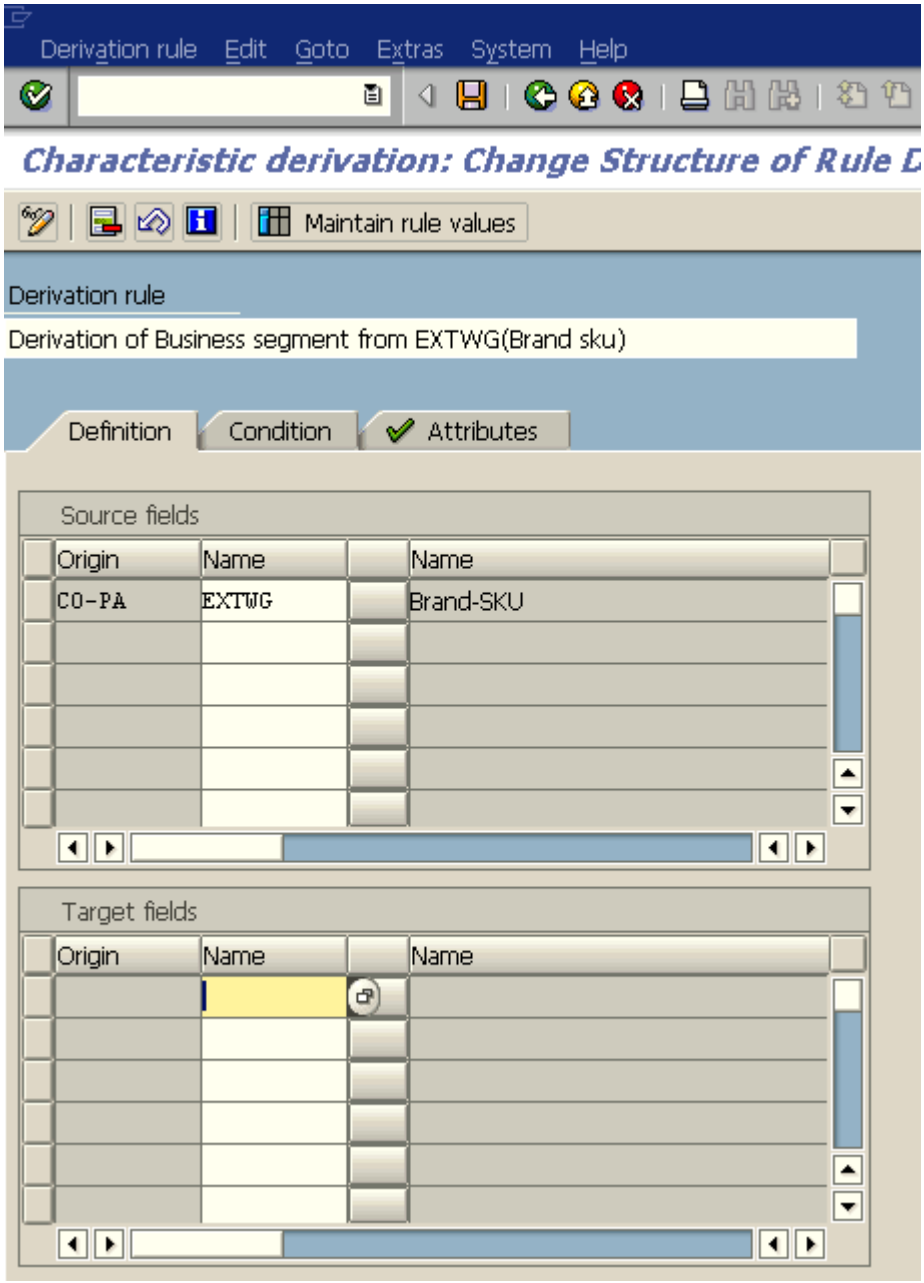


Take a drop down in field **Name**

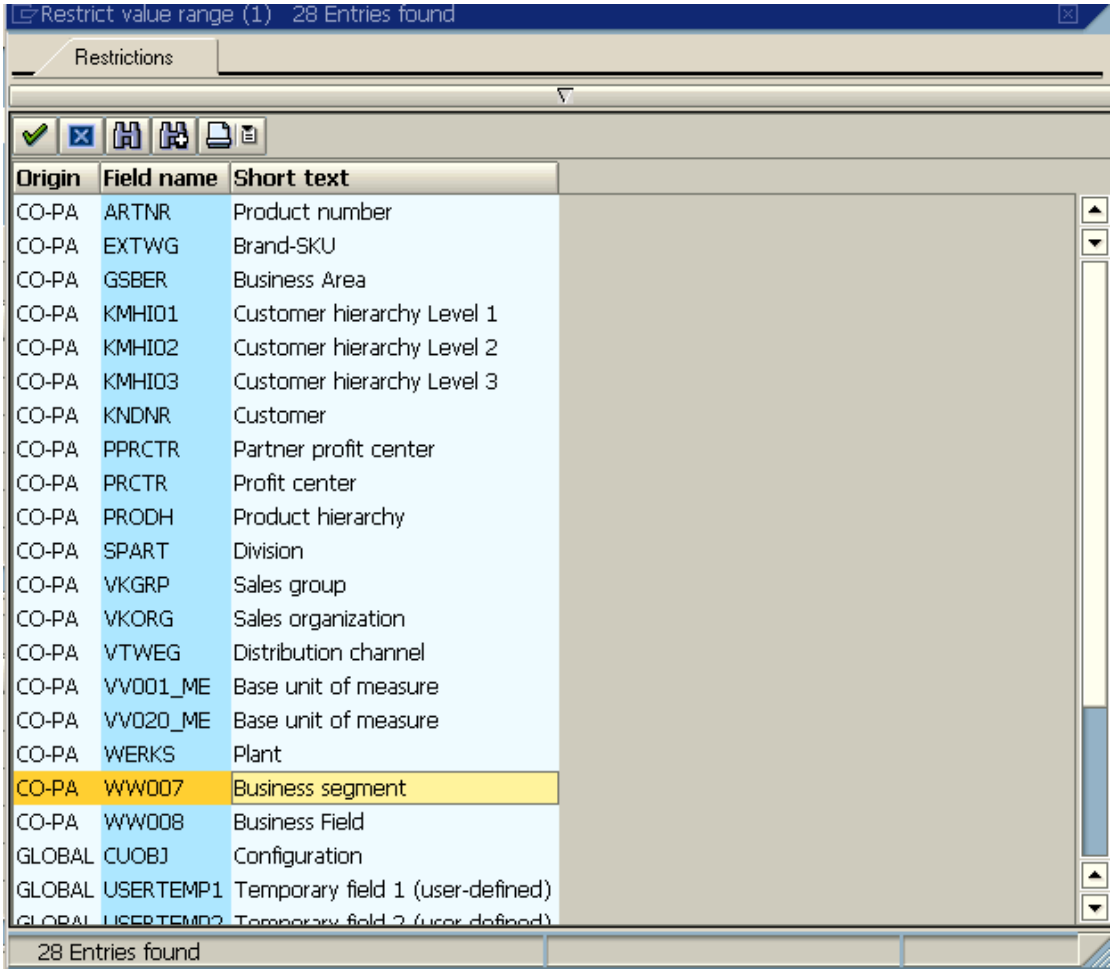
Select

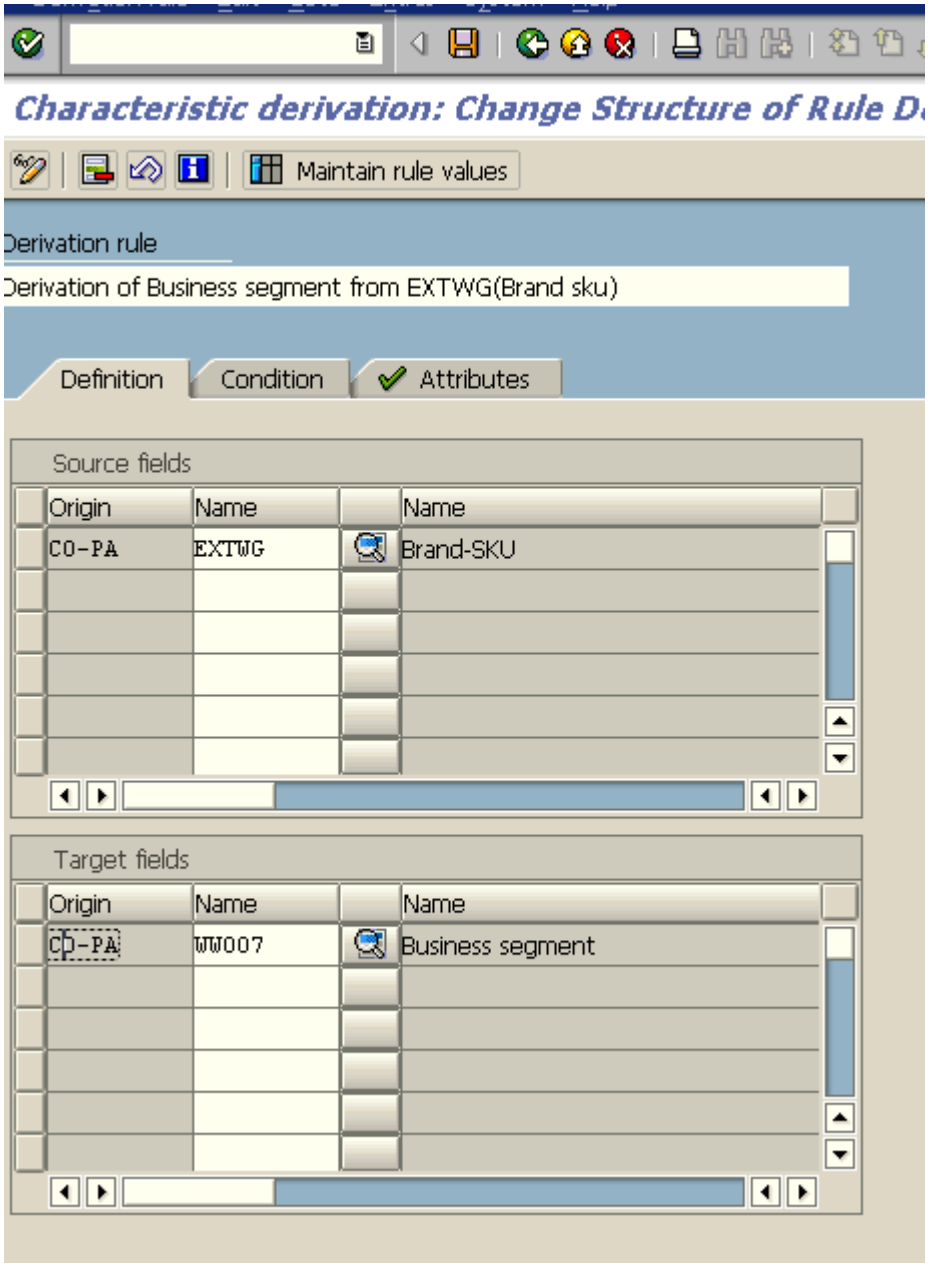


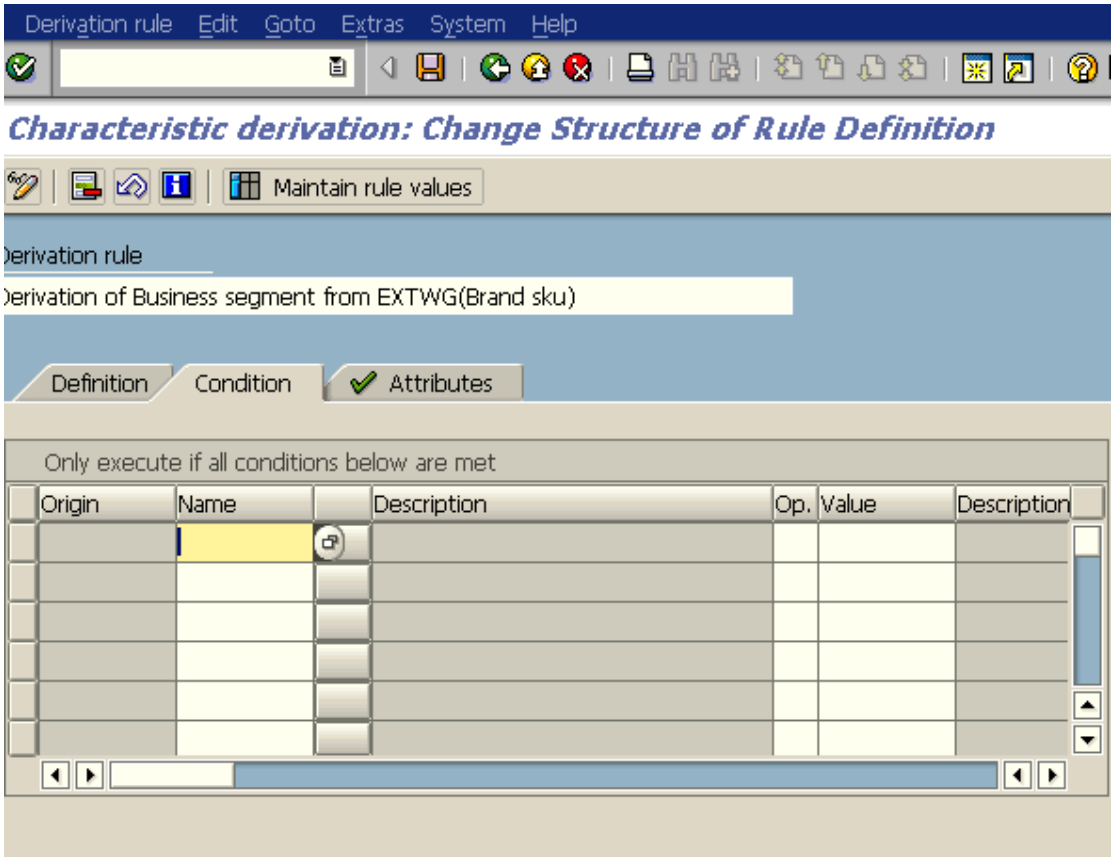
Origin	Field name	Short text
CO-PA	ARTNR	Product number
CO-PA	BUKRS	Company Code
CO-PA	EXTWG	Brand-SKU
CO-PA	FKART	Billing type
CO-PA	GSBER	Business Area
CO-PA	KAUFN	Sales Order Number
CO-PA	KDPOS	Item number in Sales Order
CO-PA	KMHI01	Customer hierarchy Level 1
CO-PA	KMHI02	Customer hierarchy Level 2
CO-PA	KMHI03	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	SPART	Division

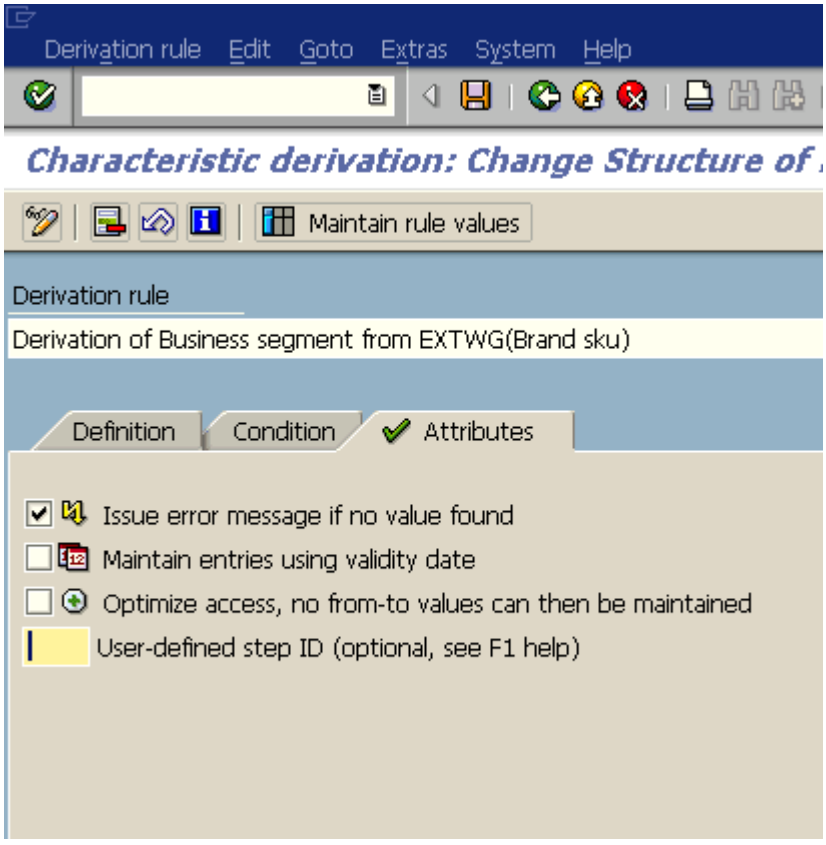


Take a drop down in name


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 KMHI01 Customer hierarchy Level 1
CO-PA KMHI02 Customer hierarchy Level 2
CO-PA KMHI03 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)
28 Entries found


Characteristic derivation: Change Structure of Rule D
Maintain rule values
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
CO-PA
WW007
Business segment

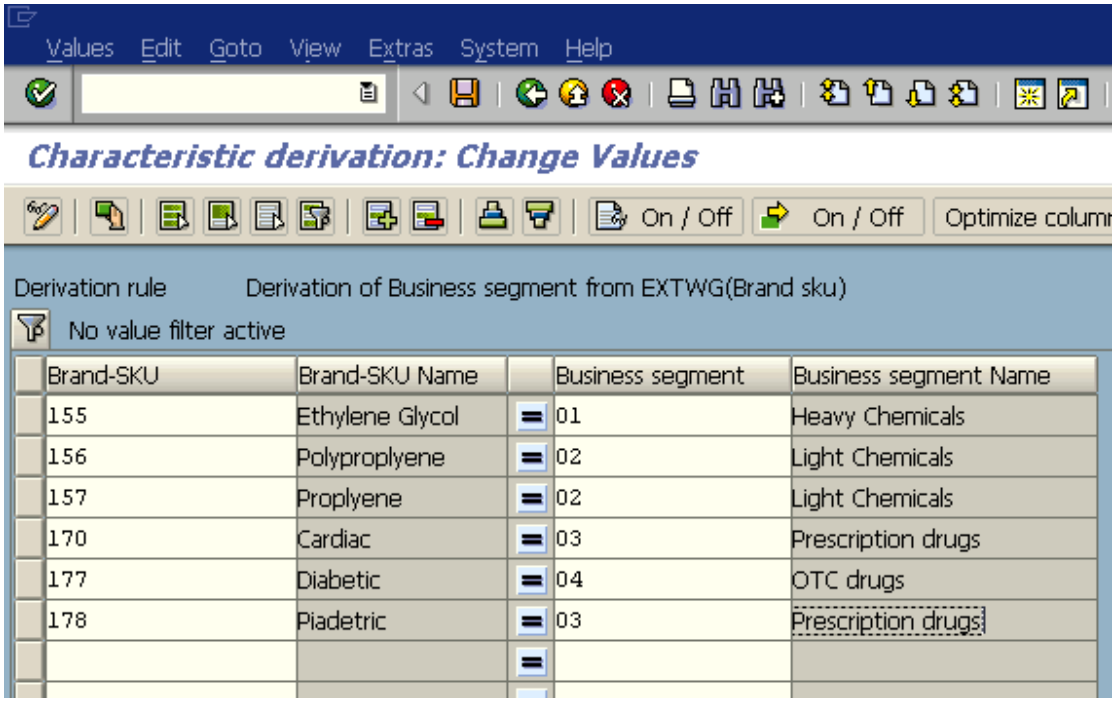

Derivation rule
Edit
Goto
Extras
System
Help
Characteristic derivation: Change Structure of Rule Definition
Maintain rule values
erivation rule
erivation of Business segment from EXTWG(Brand sku)
Definition
Condition
Attributes
Only execute if all conditions below are met
Origin
Name
Description
Op.
Value
Description


Derivation rule
Edit
Goto
Extras
System
Help
Characteristic derivation: Change Structure of
Maintain rule values
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

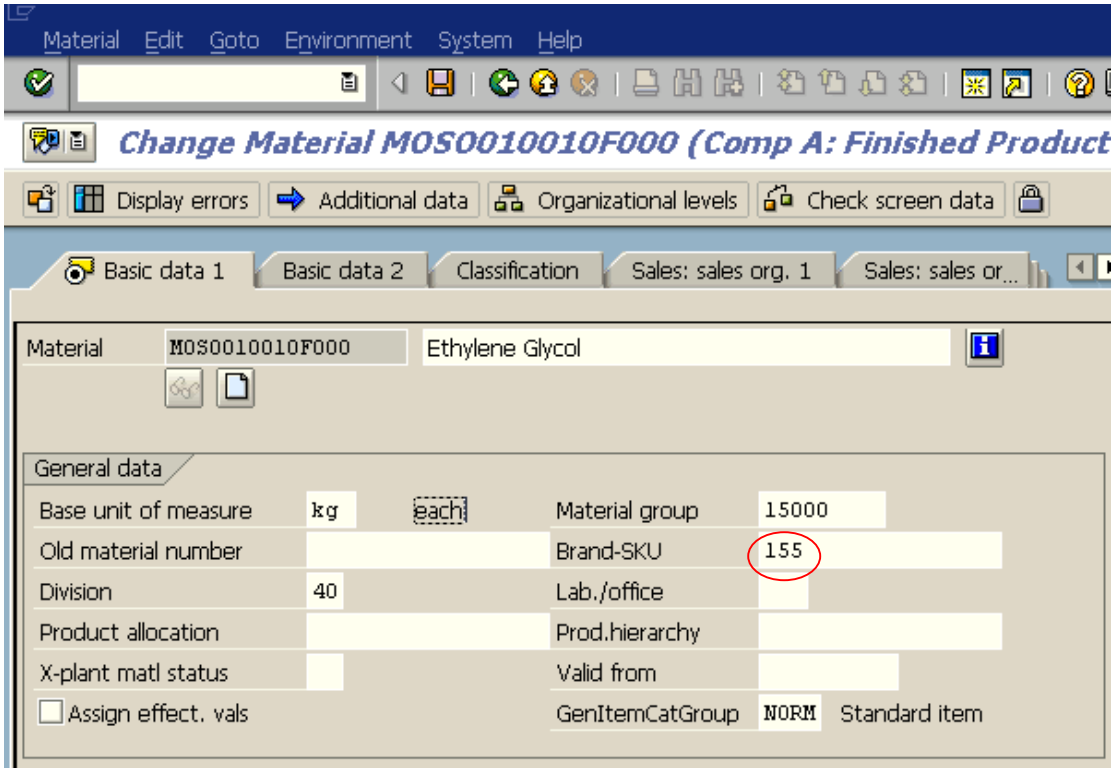
Click on

Update the following:-

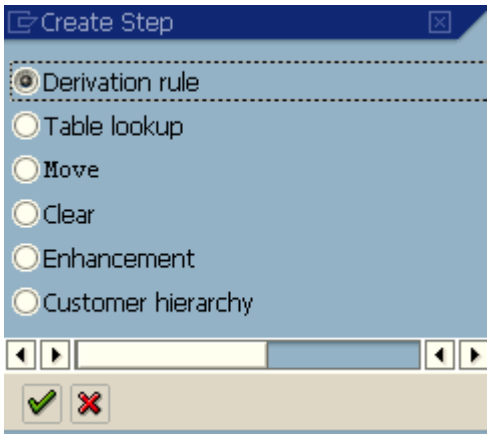


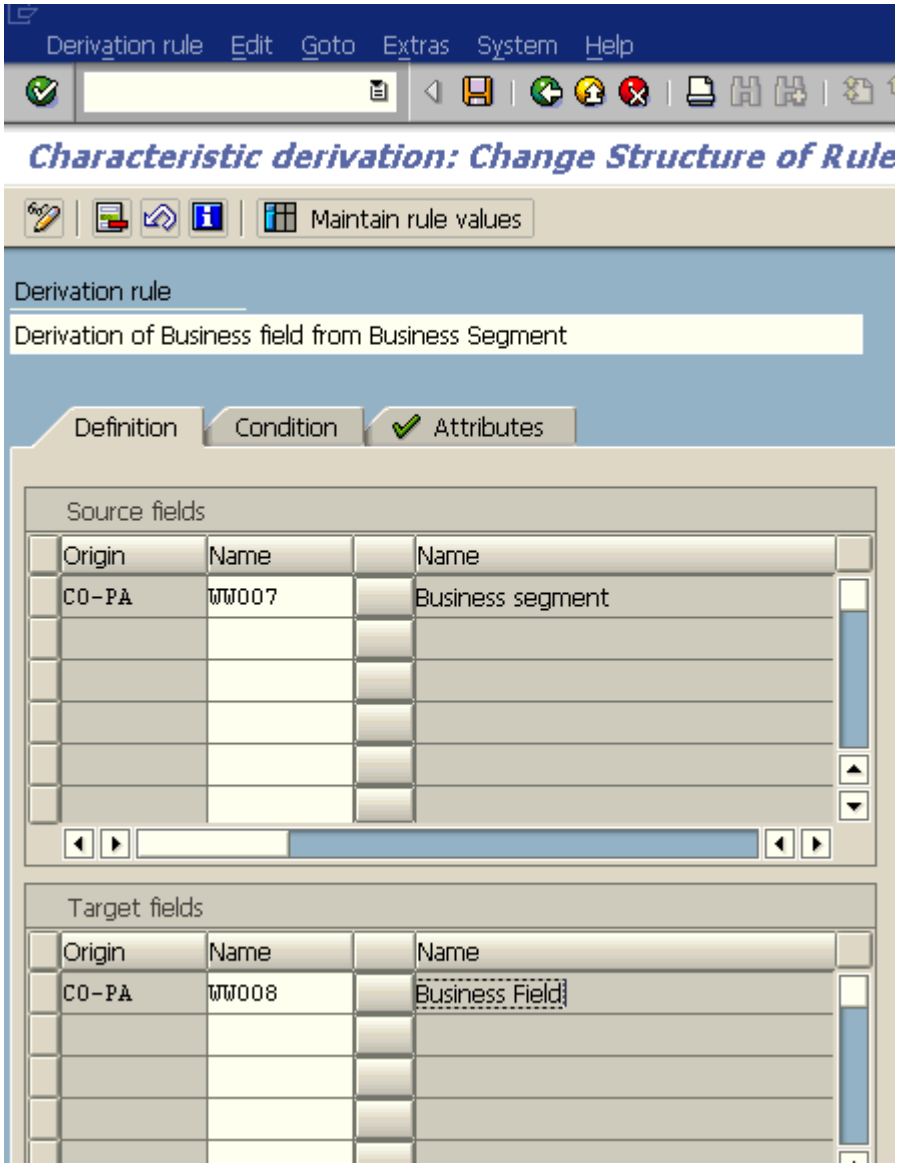
Click

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.

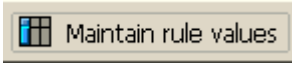


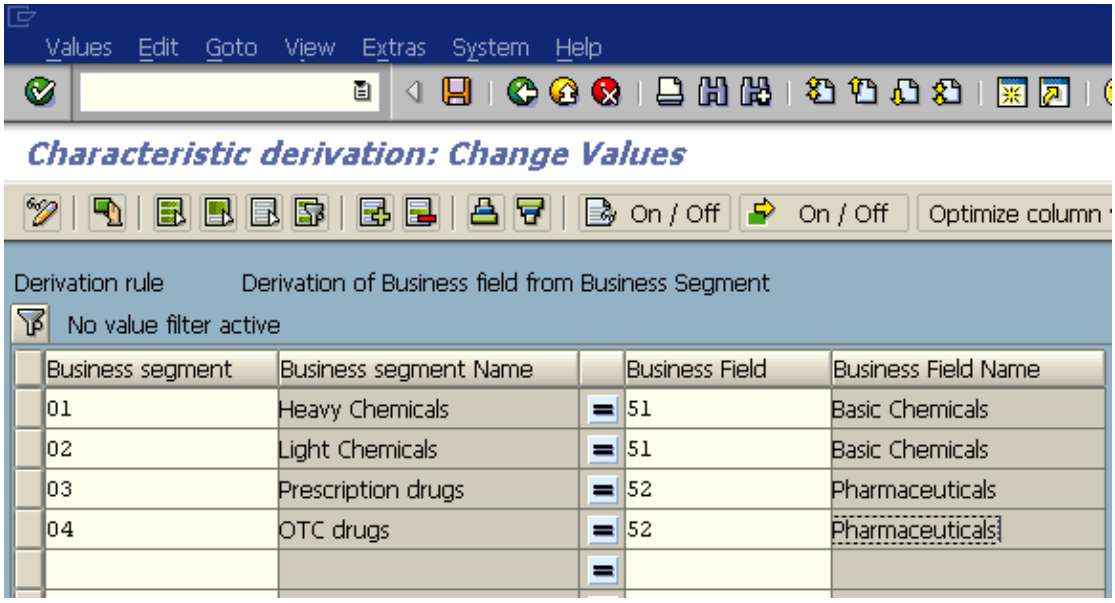
Click **to create further derivation rule**




Derivation rule
Edit
Goto
Extras
System
Help
Characteristic derivation: Change Structure of Rule
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
Target fields
Origin
Name
Name
CO-PA
WW008
Business Field

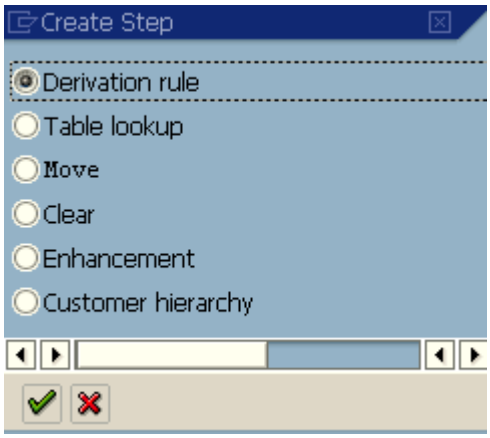
Click

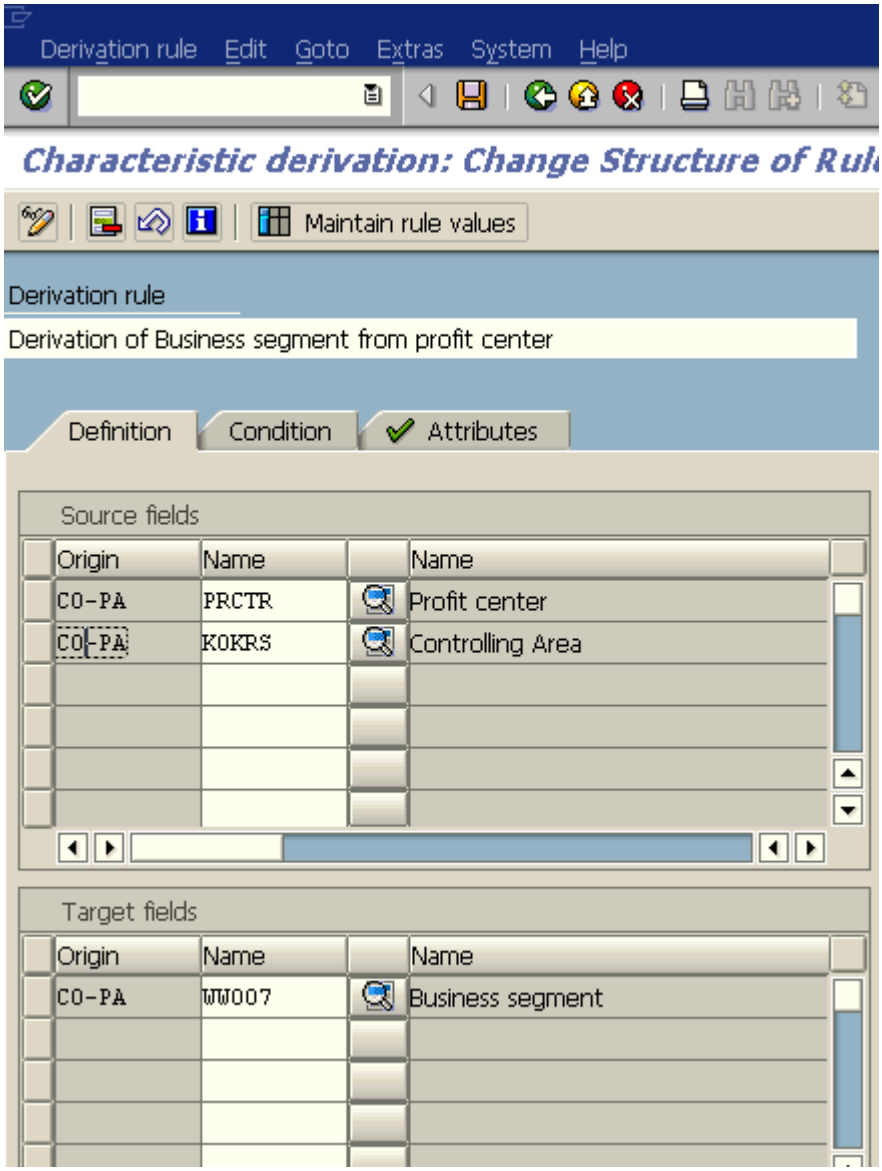
Click 
Maintain rule values



Click on

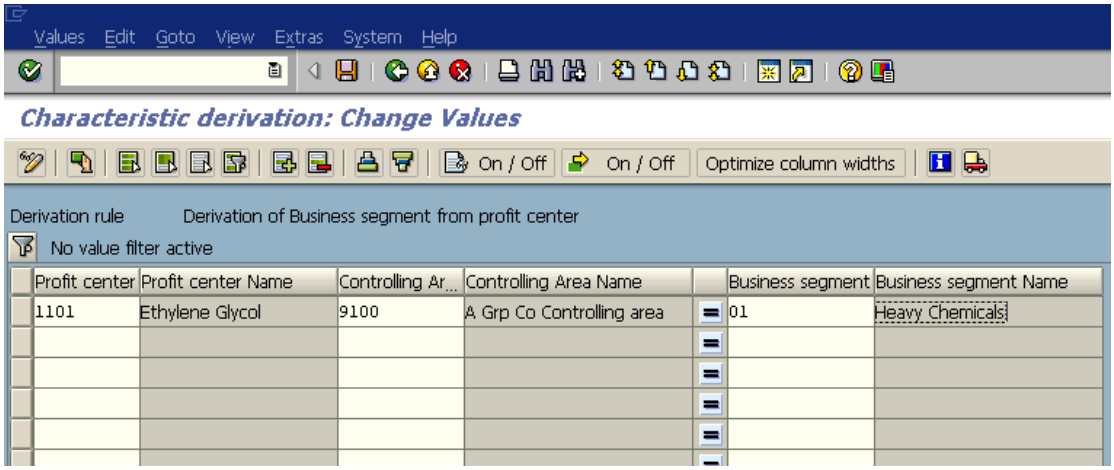
Click **to maintain another derivation rule**



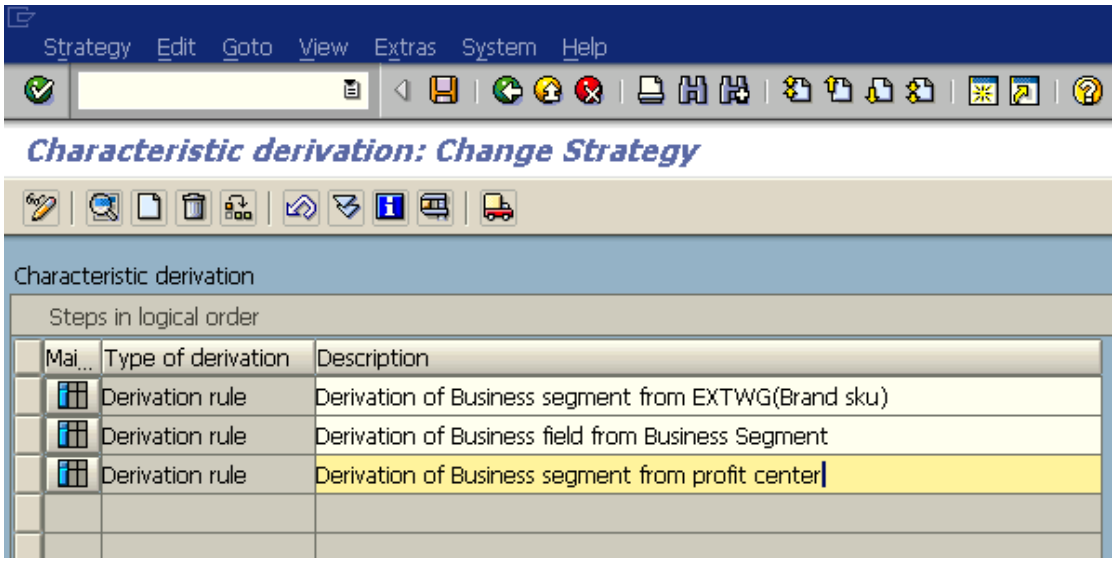


Click on

Click on

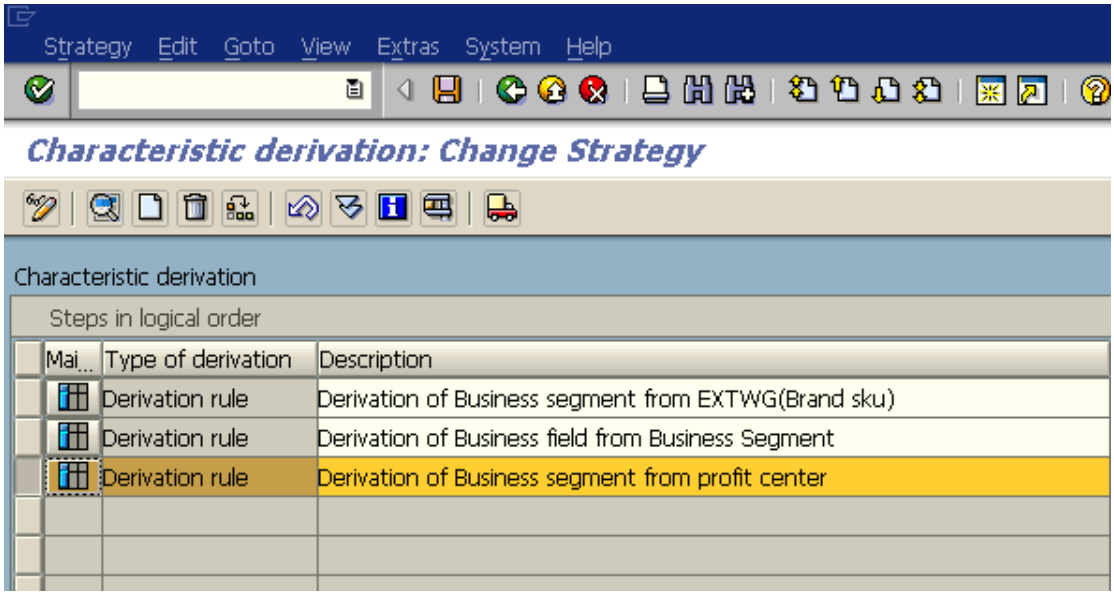


Click on



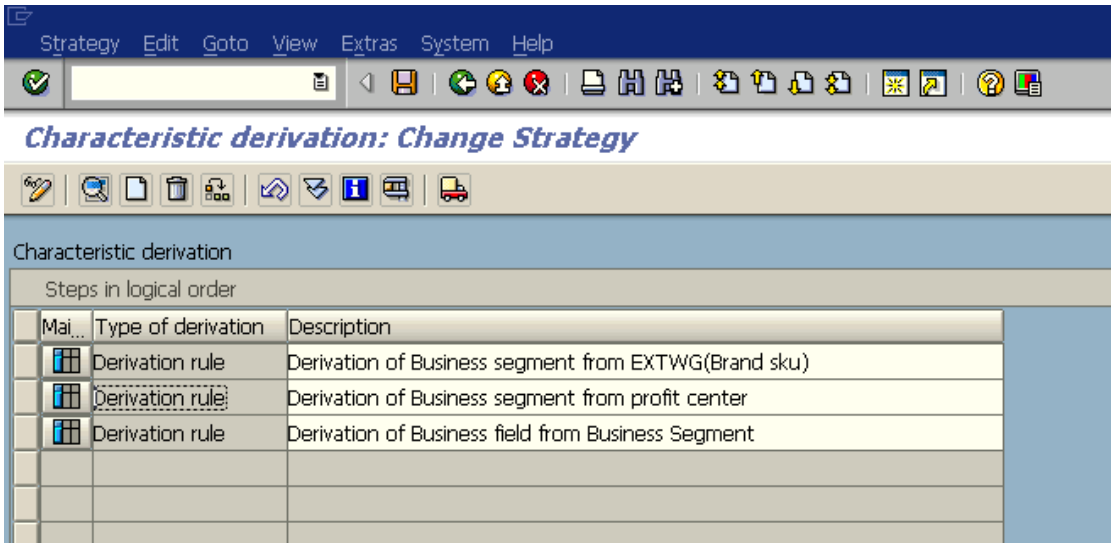
We need to move the 3 rd rule as the second rule. The reason being in case an entry is posted from the FI module there will be no material code consequently no EXTWG. In this case the user will enter profit center and business segment then can be derived from profit center.

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

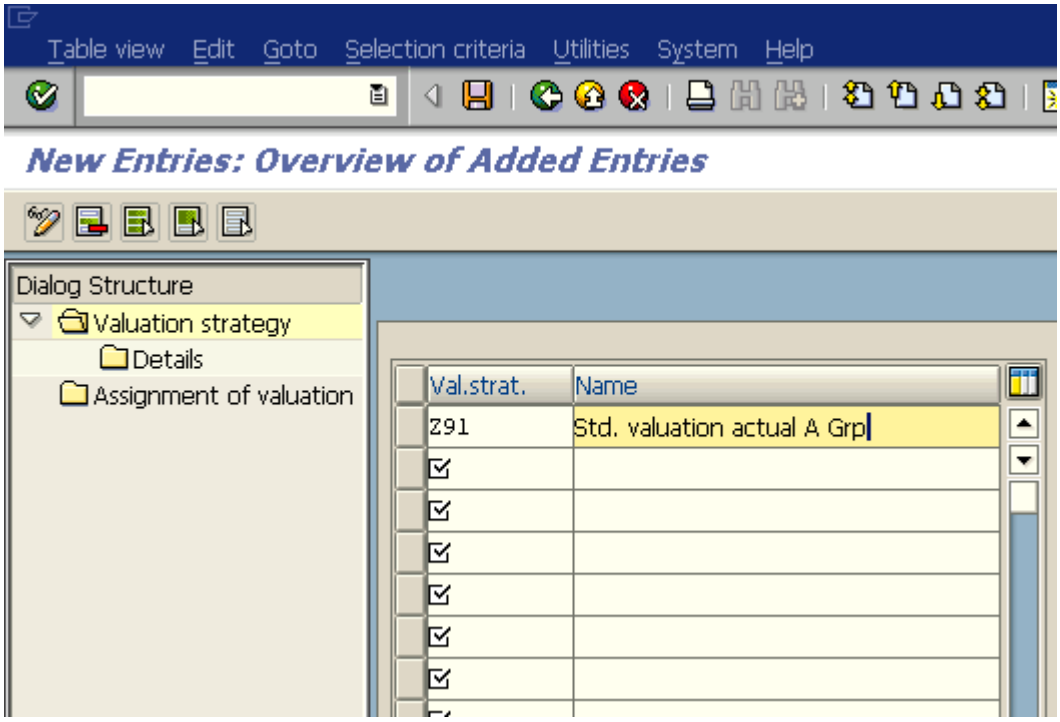
IMG → Controlling → Profitability Analysis → Master Data → Valuation → Valuation Strategies → Define and Assign Valuation Strategy

=> **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 New entries

Update the following:-



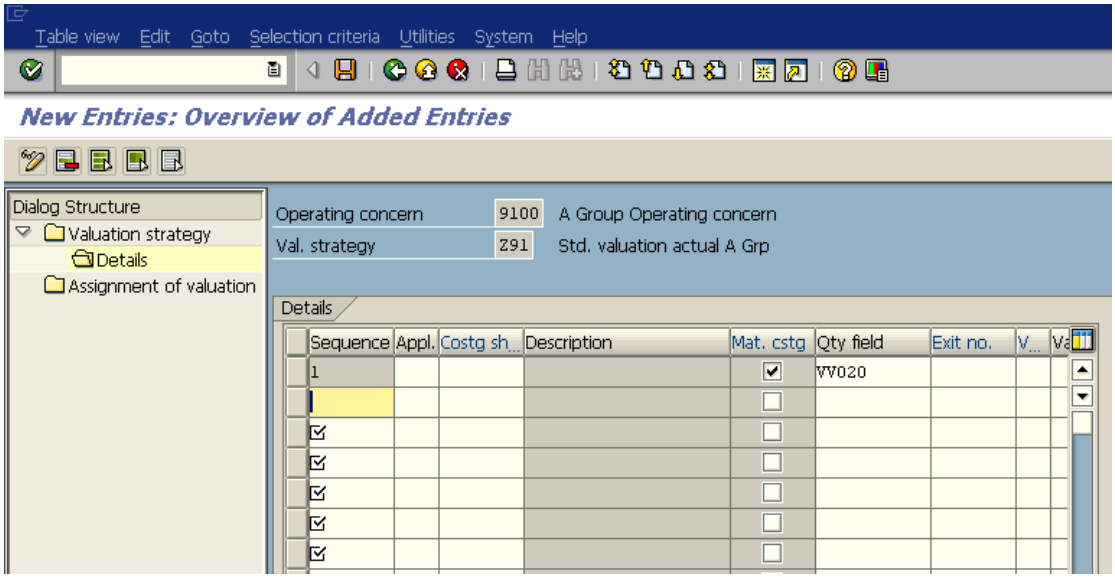
Click **Save**

Select Z91 Std. valuation actual A Grp

Double click Details

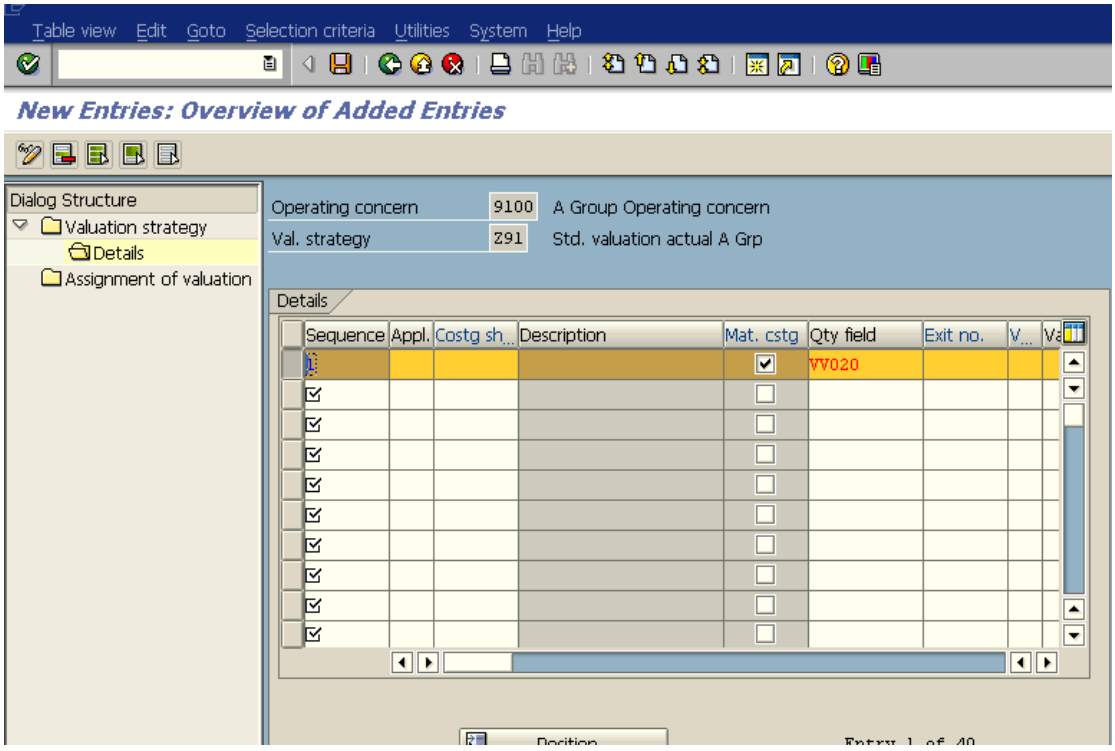
Click New entries

Update the following:-



Click

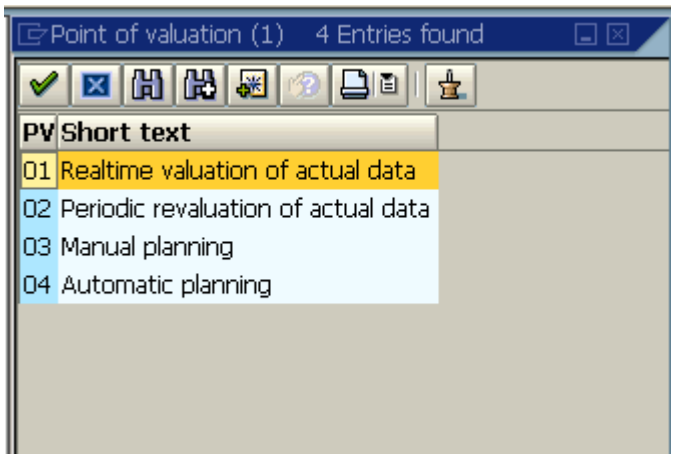
Select the following:-



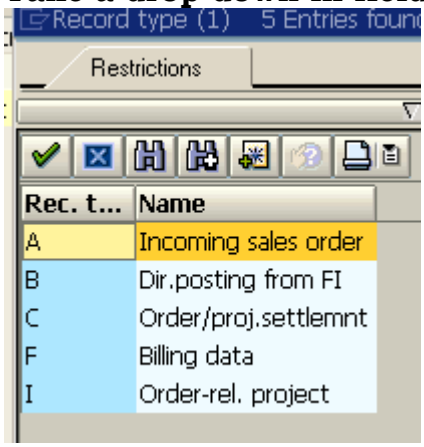
Double click

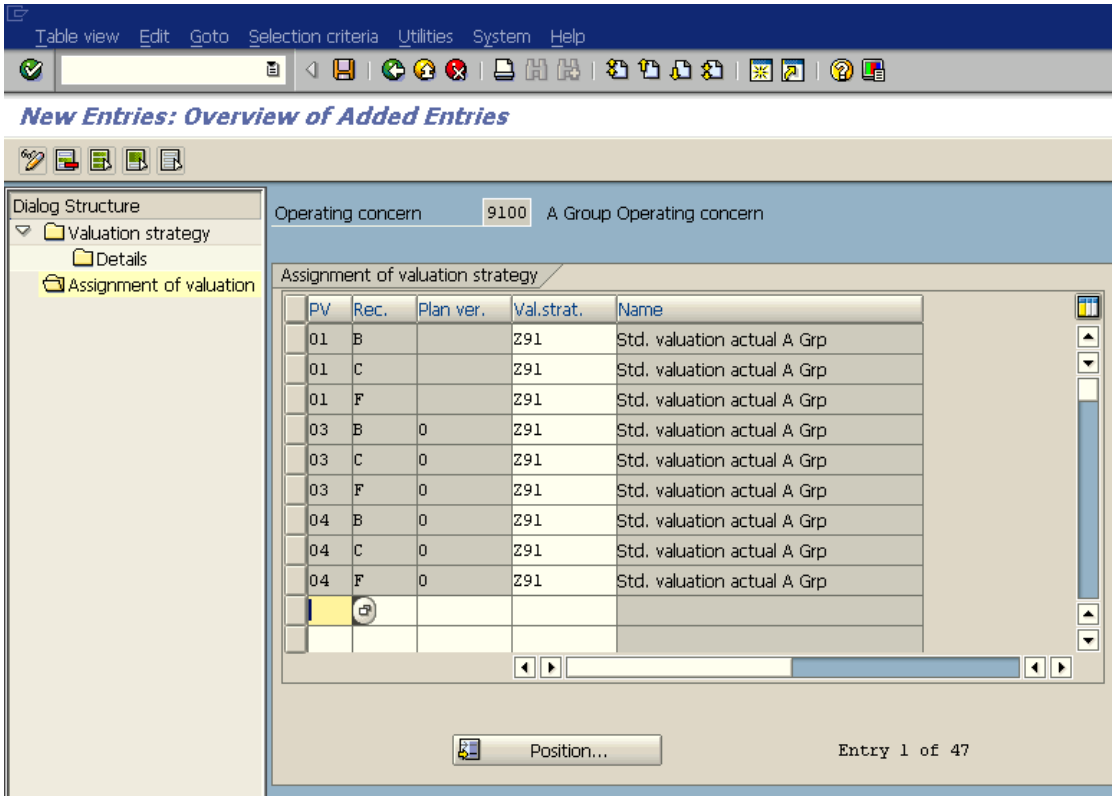
Click on

Take a drop down in field PV



Take a drop down in field Rec.





2.5 Define Keys for Accessing Material Cost Estimates

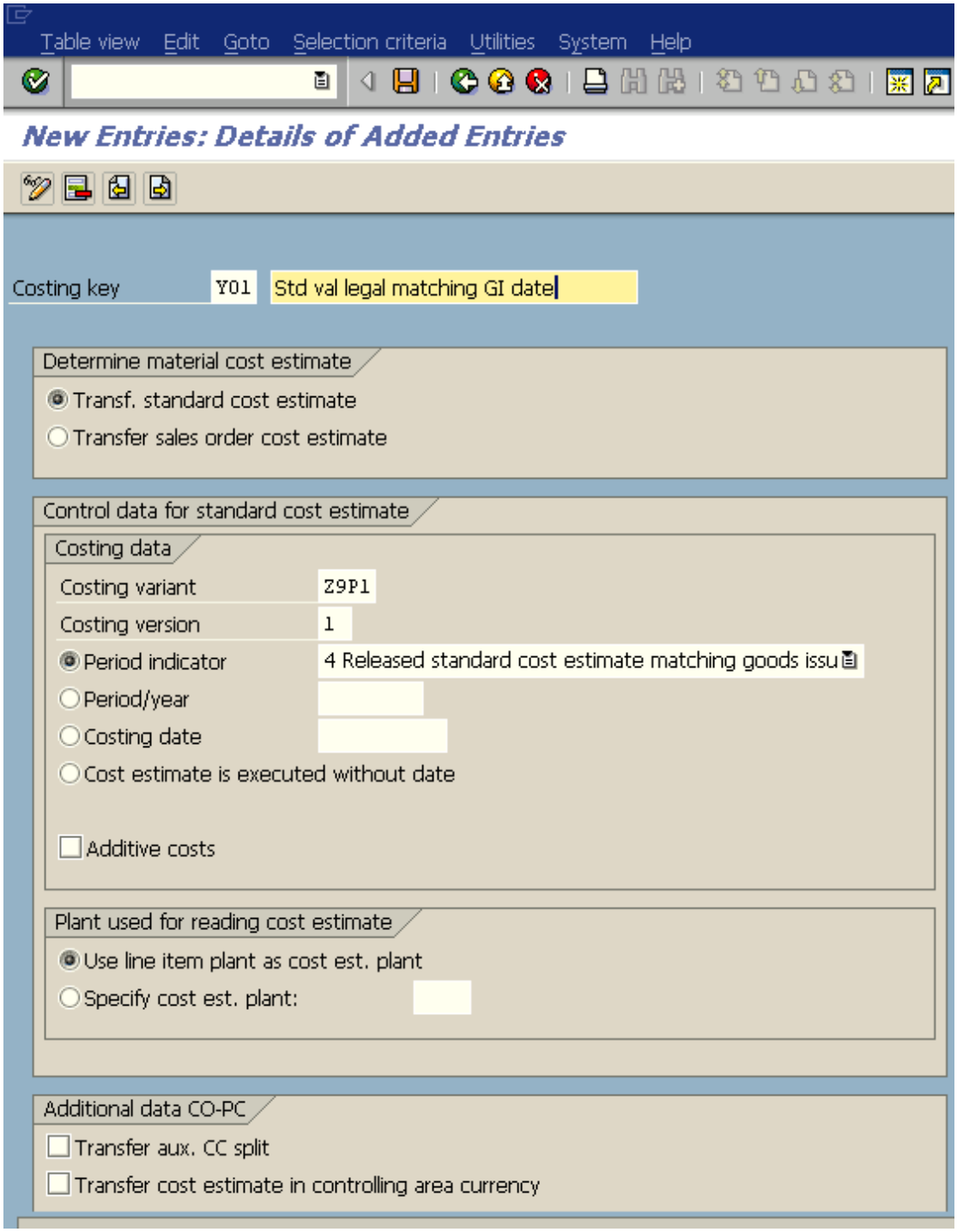
IMG → Controlling → Profitability Analysis → Master Data → Valuation → Set Up Valuation Using Material Cost Estimates → Define Keys for Accessing Material Cost Estimates

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

Click on New entries

Update the following:-

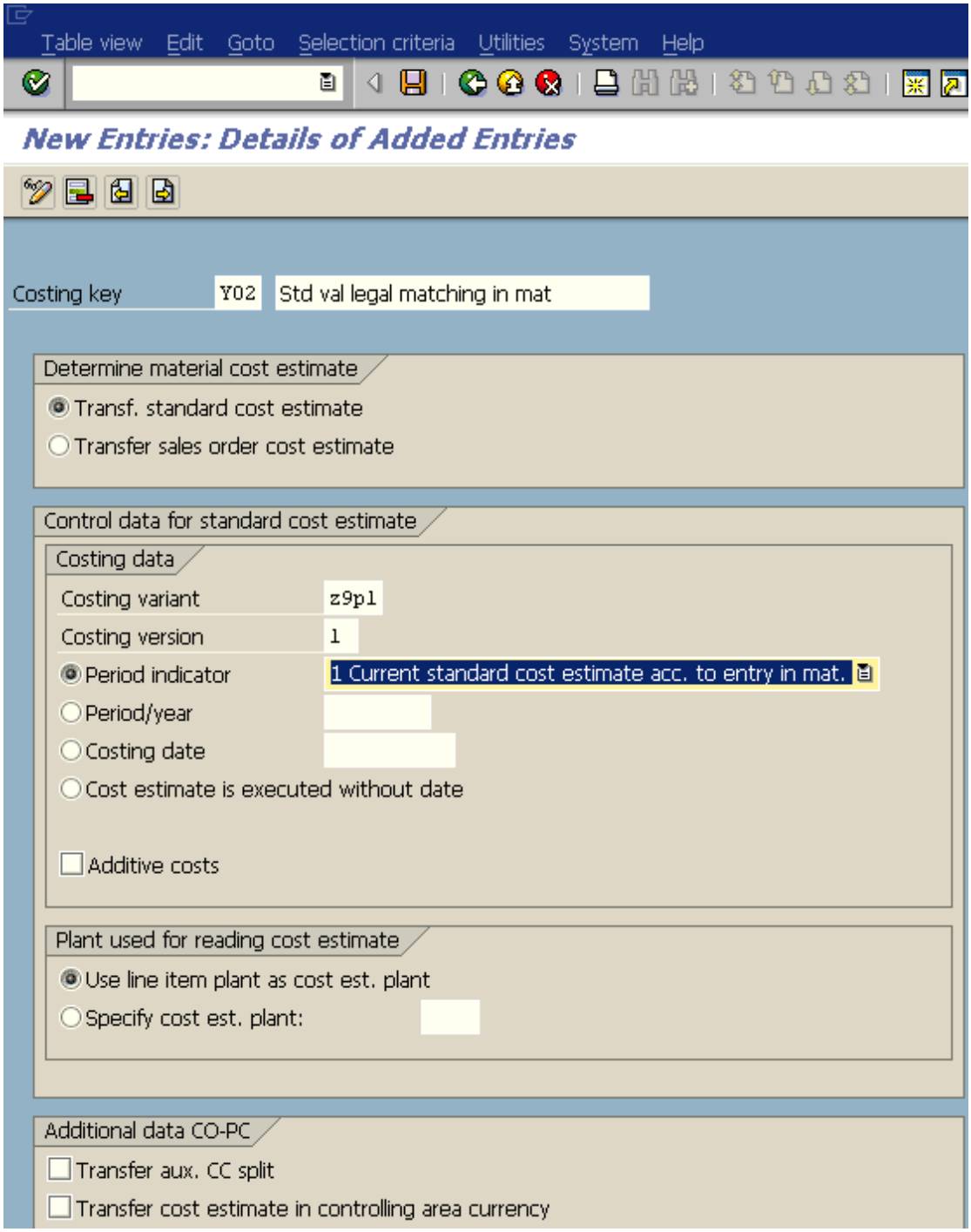


Click on

Click on

to create another costing key.

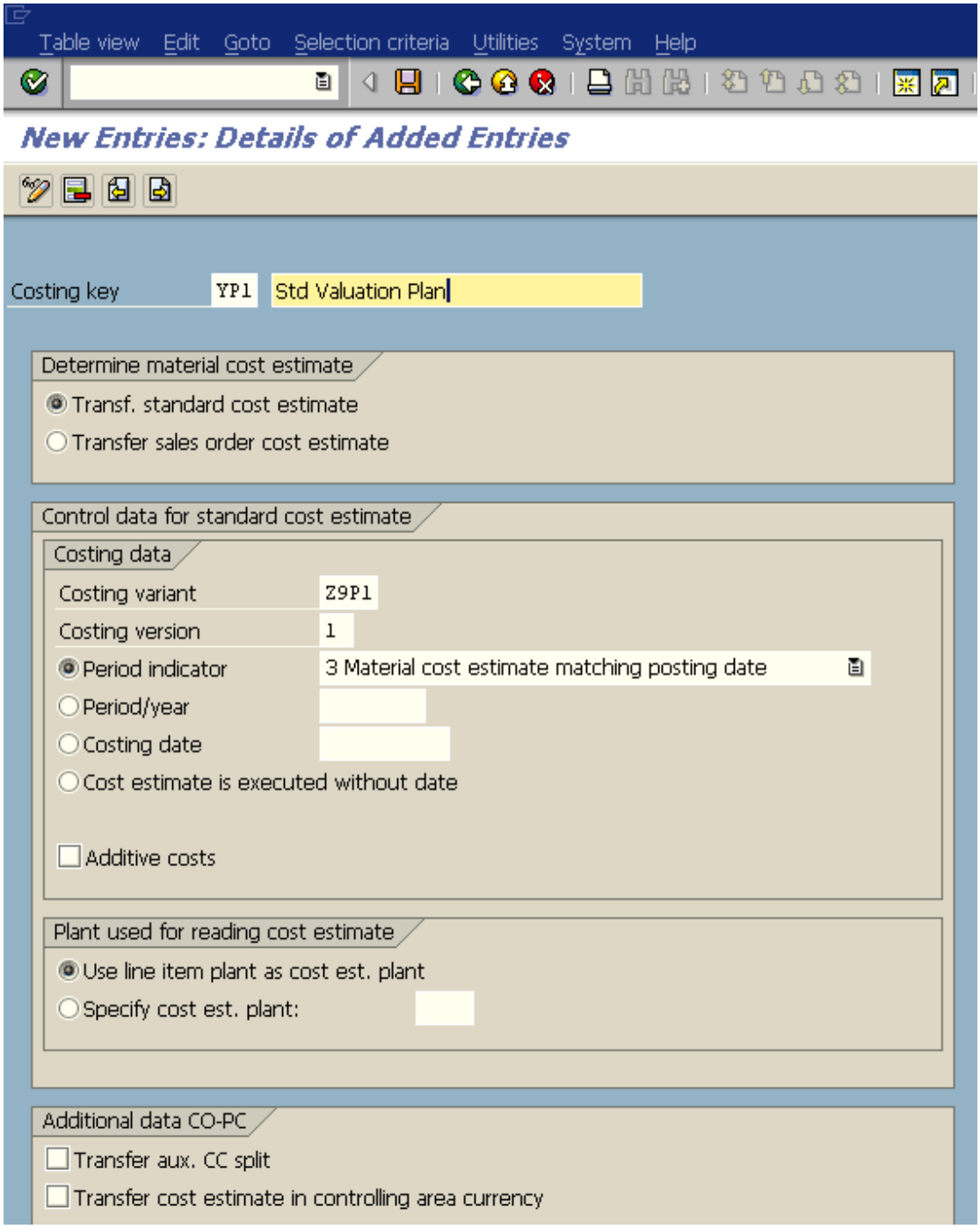
Update the following:-



Click on

Click on

Update the following:-



Click on

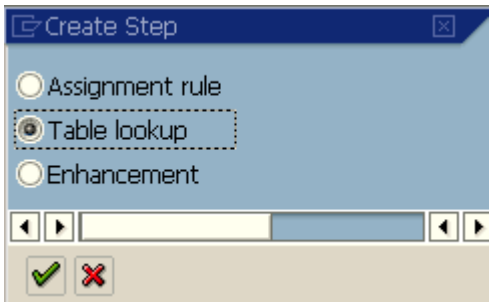
2.6 Assign Costing Keys to Any Characteristics

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

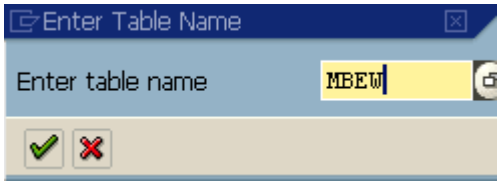
Click on

Click on

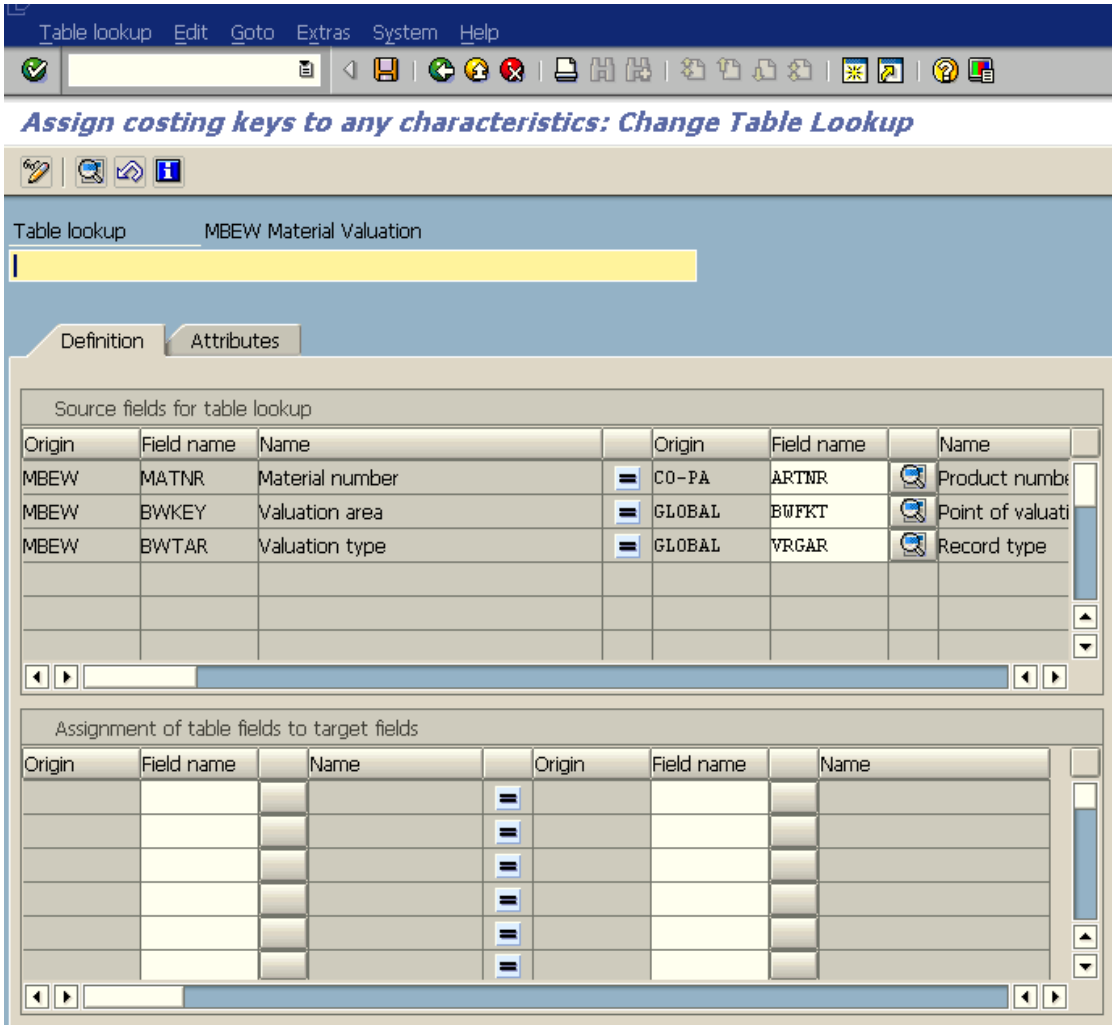
Select Table look up



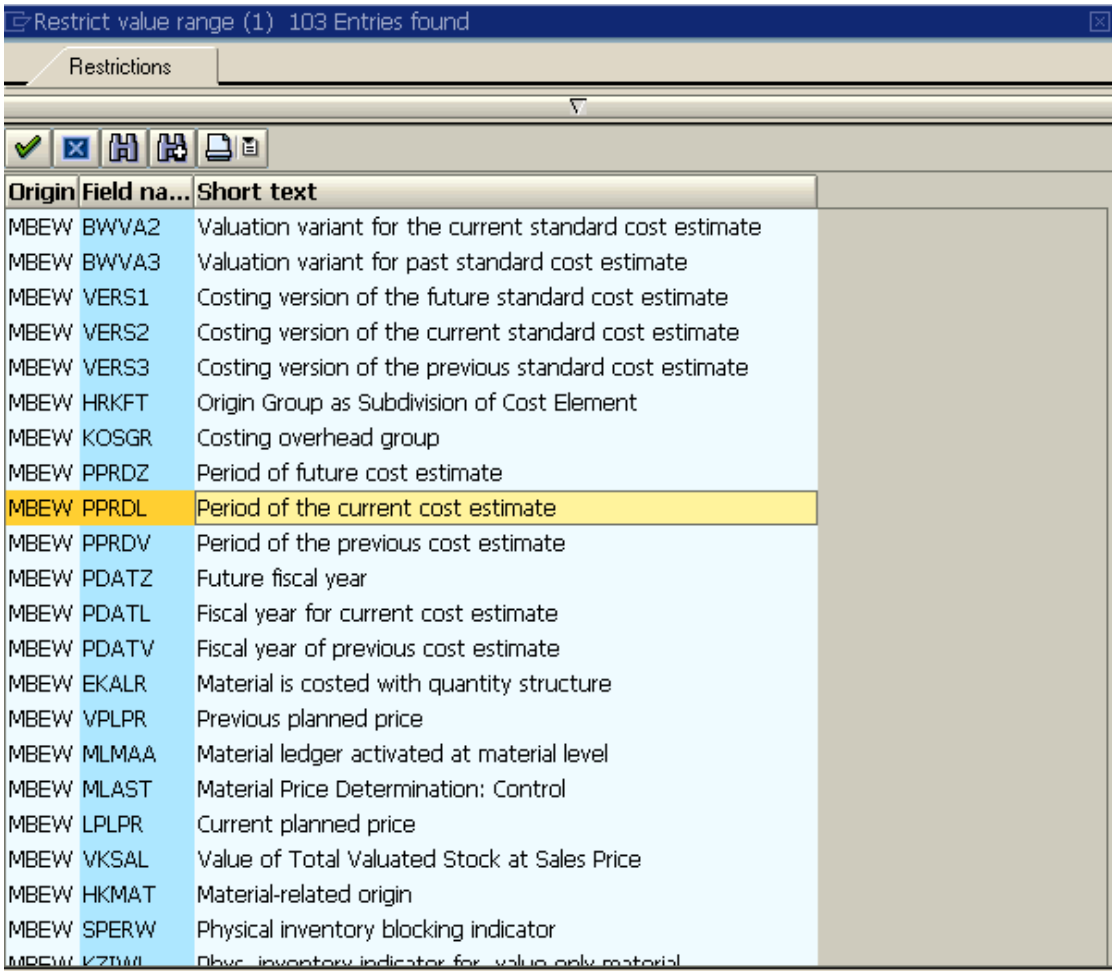
Update the following:-



The following will come automatically

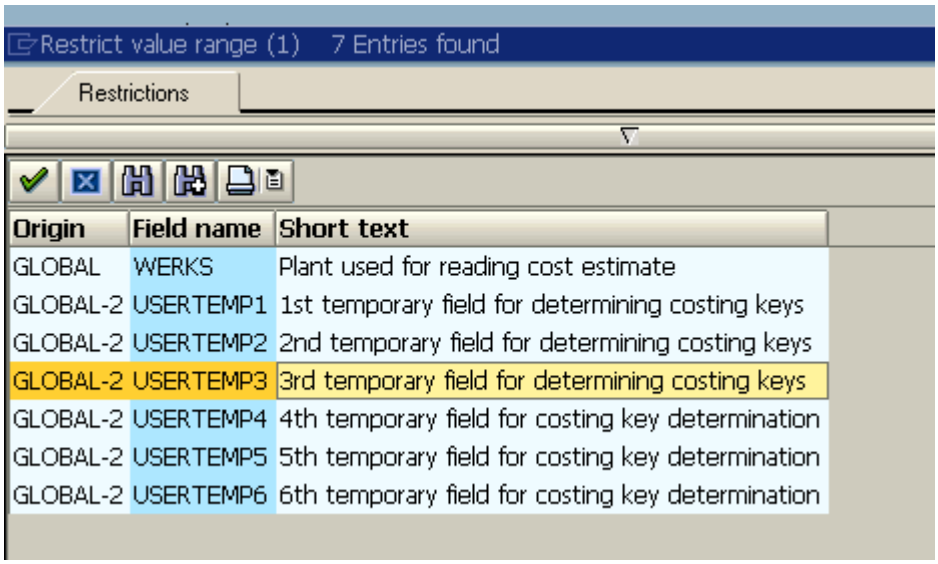


Take a drop down in the first field '**Field name**' and select

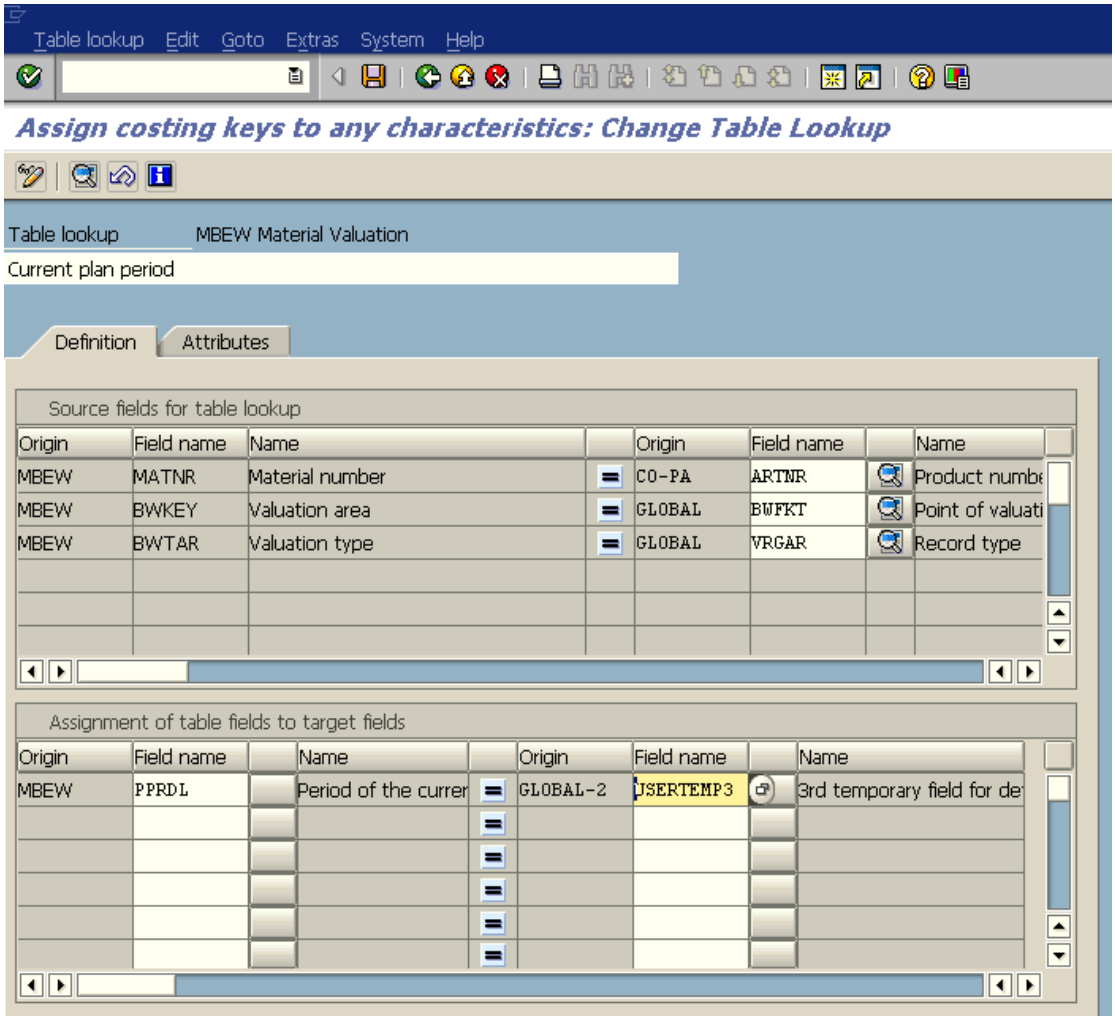


Origin	Field na...	Short text
MBEW	BWVA2	Valuation variant for the current standard cost estimate
MBEW	BWVA3	Valuation variant for past standard cost estimate
MBEW	VERS1	Costing version of the future standard cost estimate
MBEW	VERS2	Costing version of the current standard cost estimate
MBEW	VERS3	Costing 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	KZIWL	Phys. inventory indicator for value only material

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

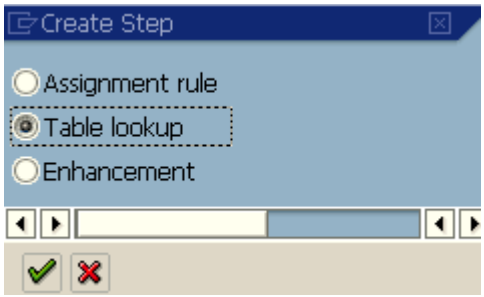


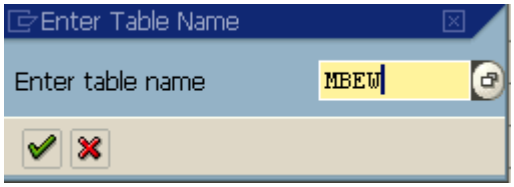
Origin	Field name	Short text
GLOBAL	WERKS	Plant used for reading cost estimate
GLOBAL-2	USERTEMP1	1st temporary field for determining costing keys
GLOBAL-2	USERTEMP2	2nd temporary field for determining costing keys
GLOBAL-2	USERTEMP3	3rd temporary field for determining costing keys
GLOBAL-2	USERTEMP4	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

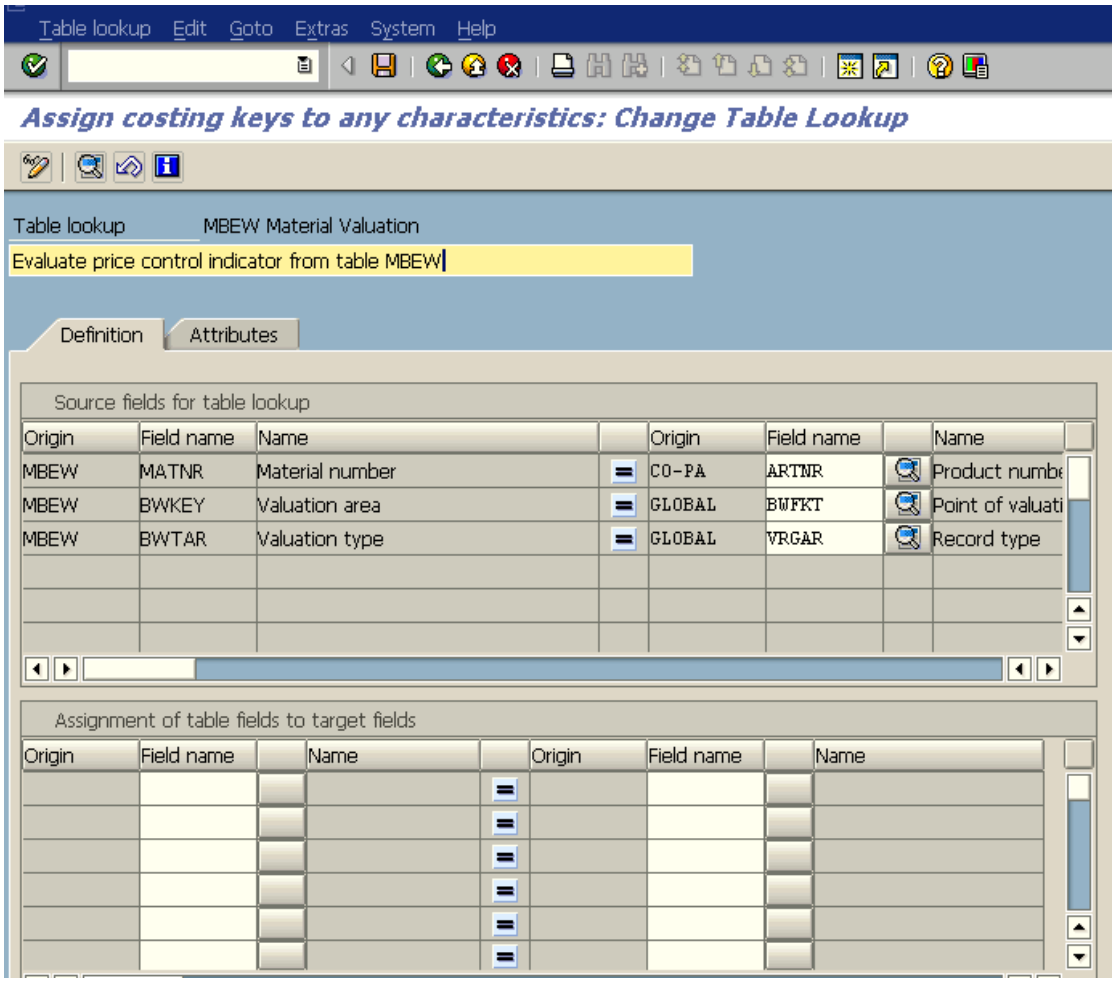


Click on

Click on

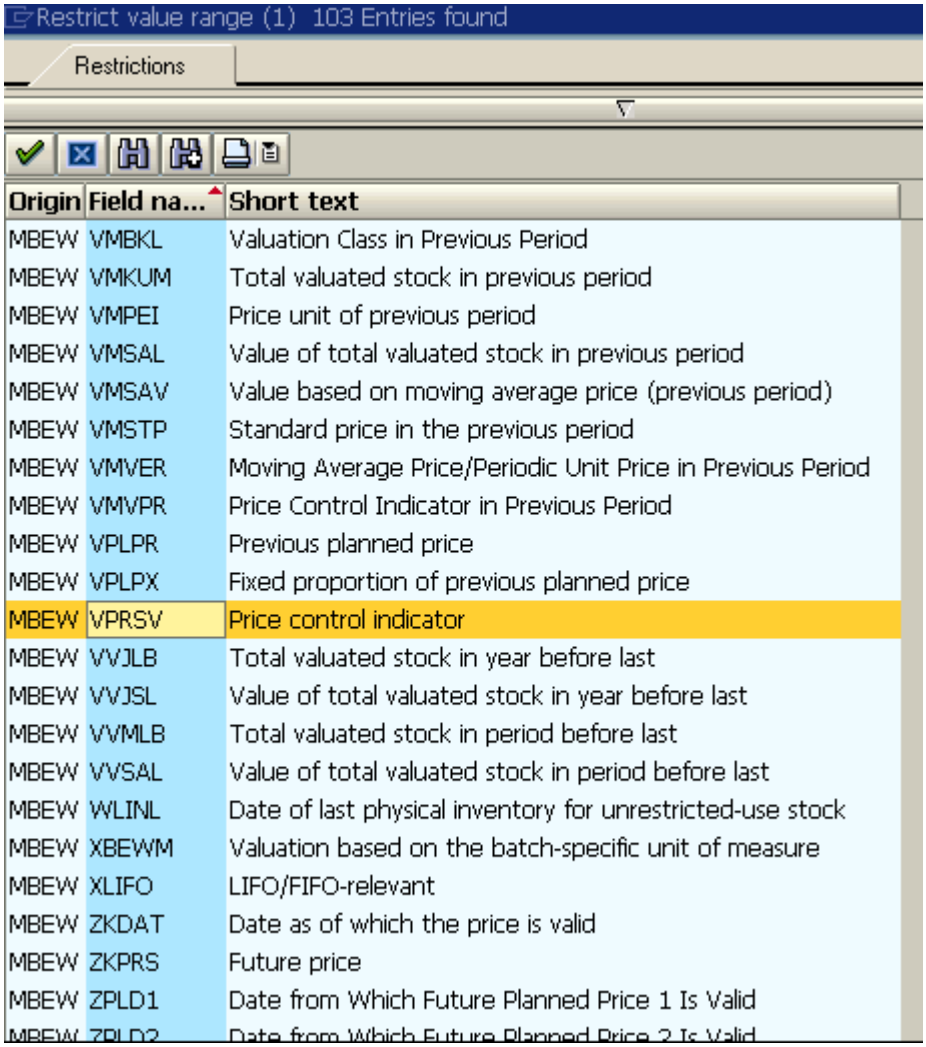




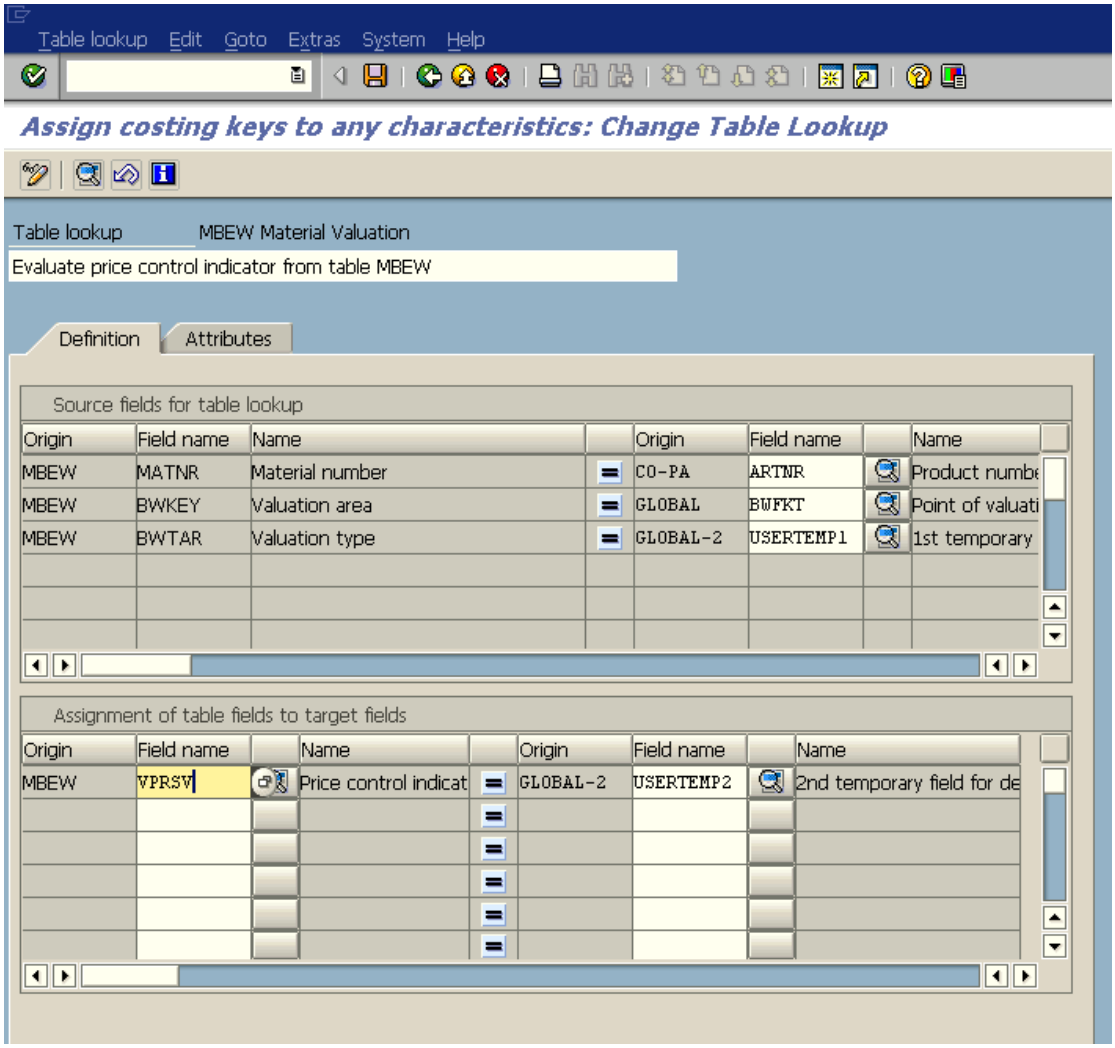


Change valuation type field VRGRAR to usertemp1

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

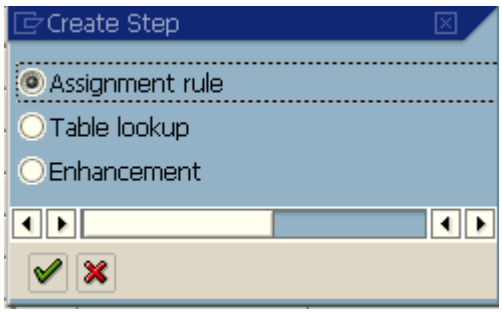


Origin	Field na...	Short text
MBEW	VMBKL	Valuation Class in Previous Period
MBEW	VMKUM	Total valuated stock in previous period
MBEW	VMPEI	Price unit of previous period
MBEW	VMSAL	Value of total valuated stock in previous period
MBEW	VMSAV	Value based on moving average price (previous period)
MBEW	VMSTP	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 valuated stock in year before last
MBEW	VVJSL	Value of total valuated stock in year before last
MBEW	VVMLB	Total valuated stock in period before last
MBEW	VVSAL	Value of total valuated 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

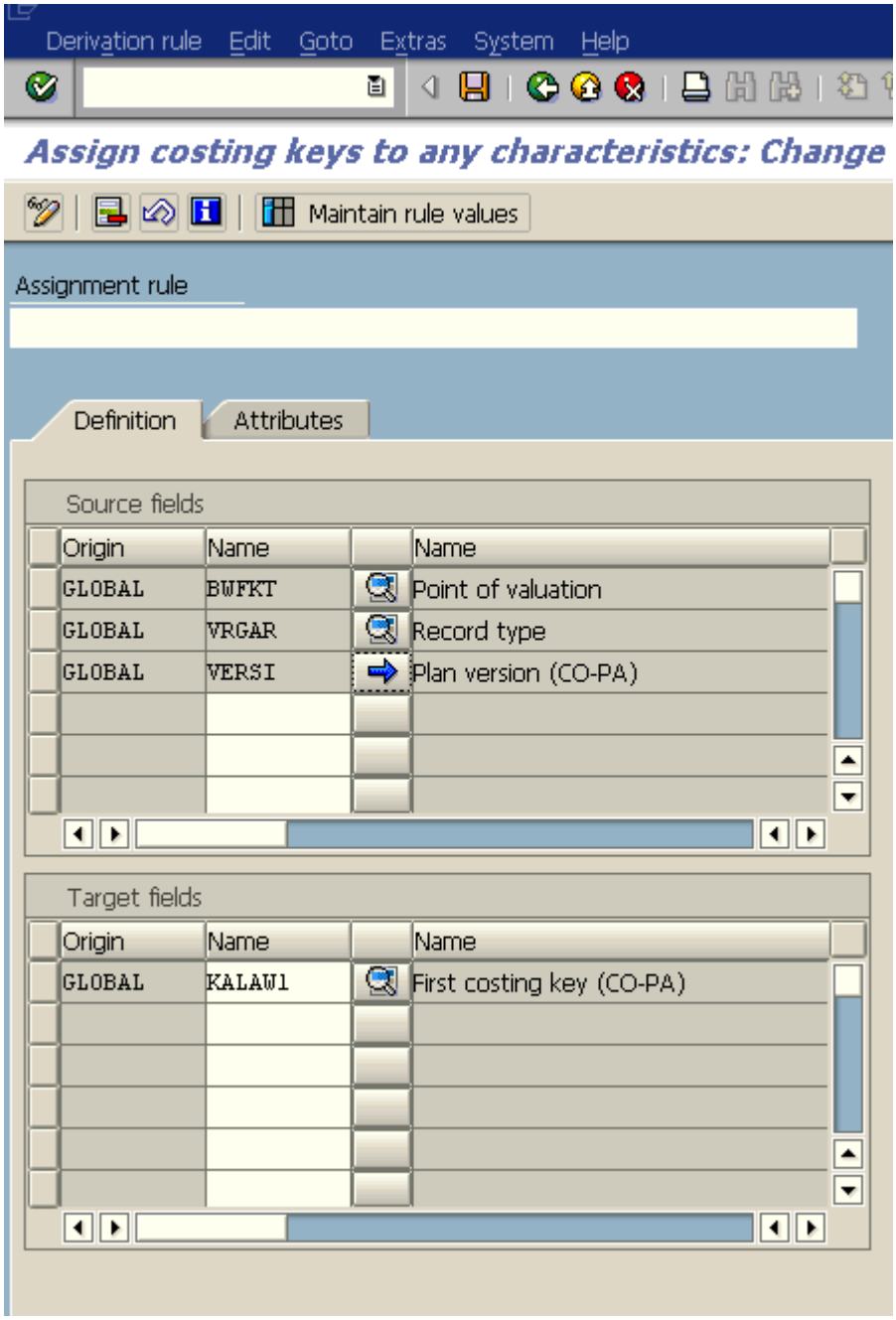


Click on

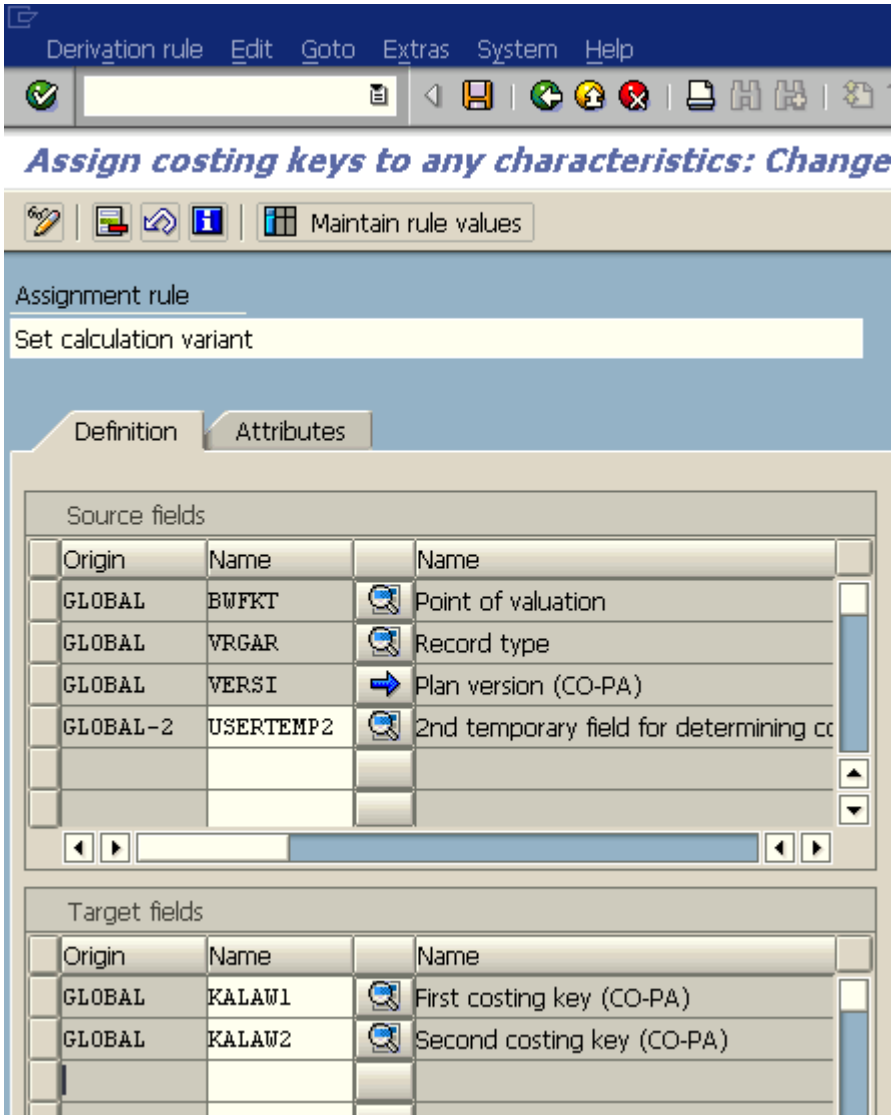
Click on



This will come automatically

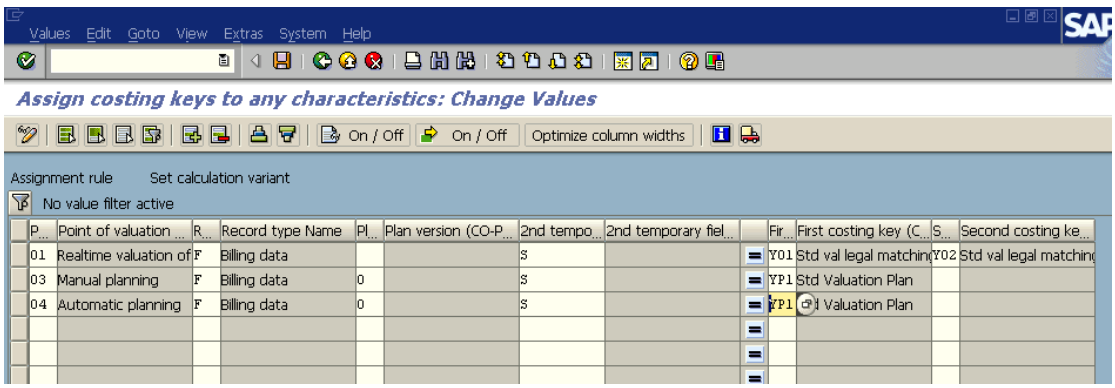


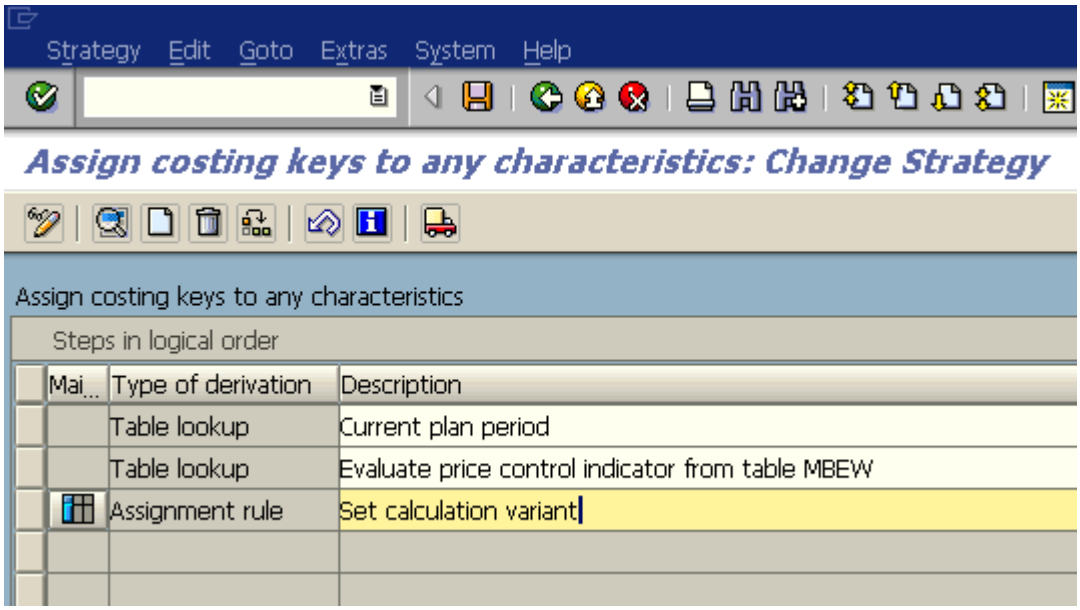
Update the following:-


Derivation rule Edit Goto Extras System Help
Assign costing keys to any characteristics: Change
Maintain rule values
Assignment rule
Set calculation variant
Definition
Attributes
Source fields
Origin
Name
Name
GLOBAL
BWFKT
Point of valuation
GLOBAL
VRGAR
Record type
GLOBAL
VERSI
Plan version (CO-PA)
GLOBAL-2
USERTEMP2
2nd temporary field for determining cc
Target fields
Origin
Name
Name
GLOBAL
KALAW1
First costing key (CO-PA)
GLOBAL
KALAW2
Second costing key (CO-PA)

Click

Click
Maintain rule values


Values Edit Goto View Extras System Help
Assign costing keys to any characteristics: Change Values
On / Off
On / Off
Optimize column widths
Assignment rule
Set calculation variant
No value filter active
Point of valuation
Record type Name
Plan version (CO-P...
2nd tempo...
2nd temporary fiel...
First costing key (C...
Second costing ke...
01 Realtime valuation of F Billing data S Y01 Std val legal matchin Y02 Std val legal matchin
03 Manual planning F Billing data 0 S YP1 Std Valuation Plan
04 Automatic planning F Billing data 0 S YP1 Valuation Plan

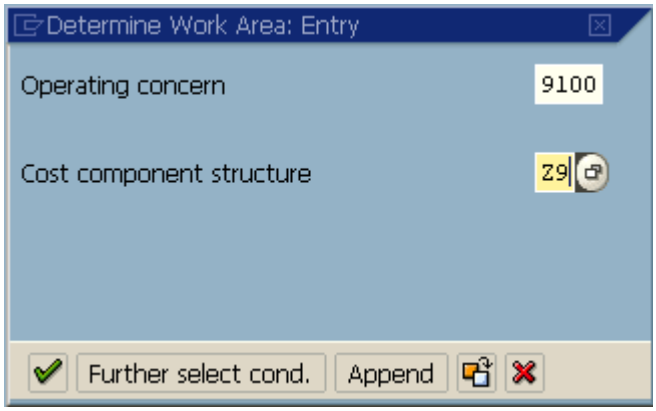


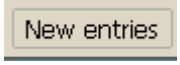
2.7 Assign Value Fields

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

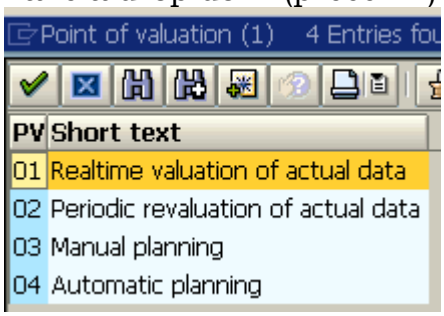
=> **Customizing request generated here**

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

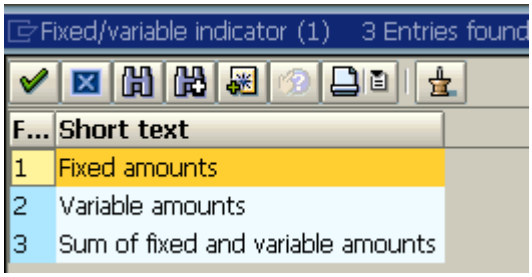


Click on 

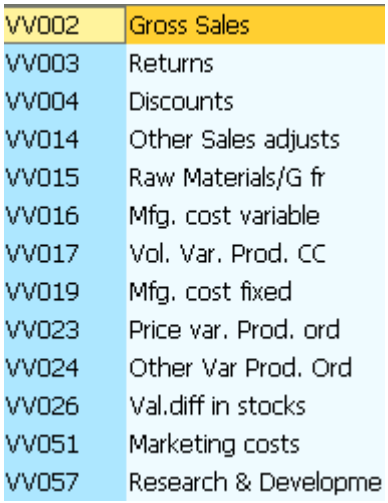
Take a drop down(press F4) in the field PV



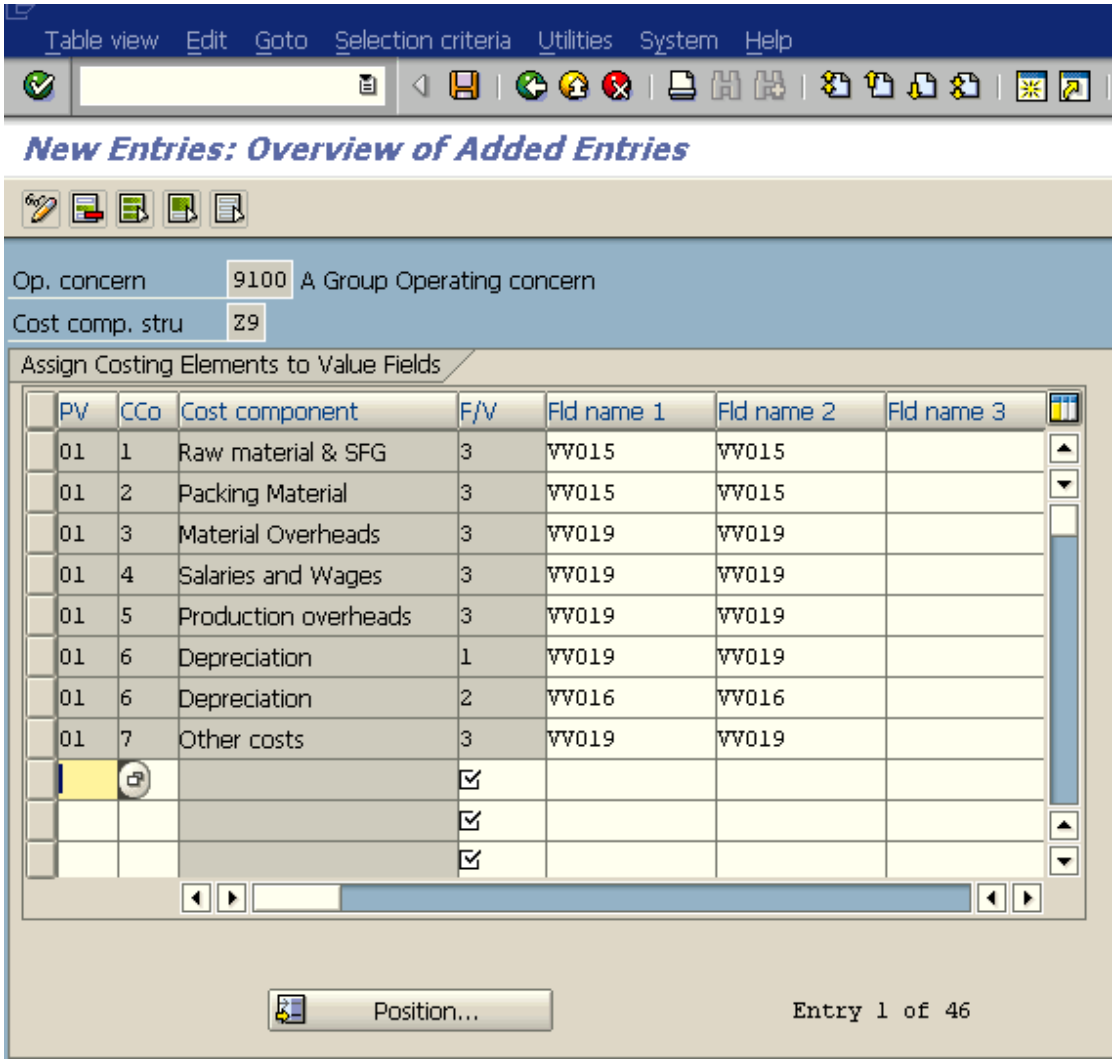
Take a drop down in the field F/V



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



Finally the table should like this after updating all entries.



Click on

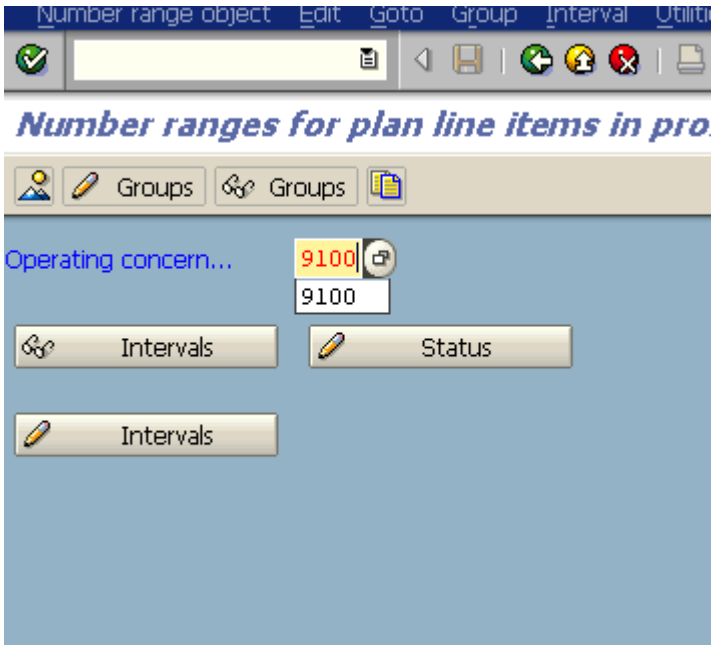
3. Planning

3.1 Define Number Ranges for Planning Data

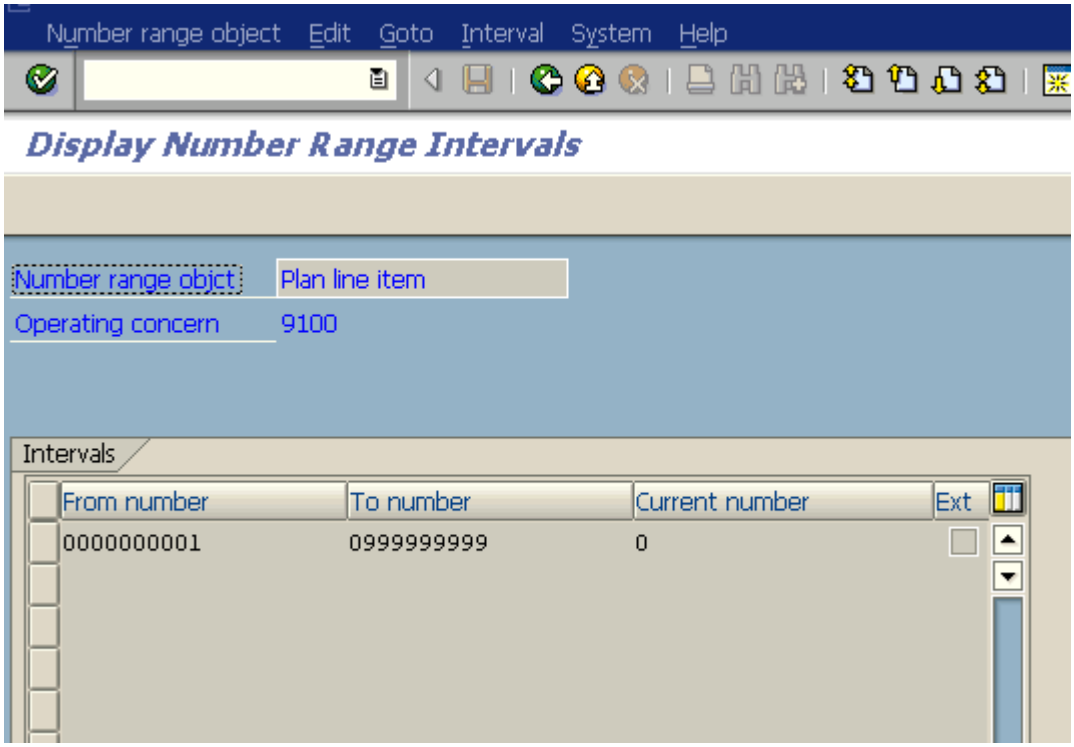
IMG → Controlling → Profitability Analysis → Planning→ Initial Steps → Define Number Ranges for Planning Data

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:-

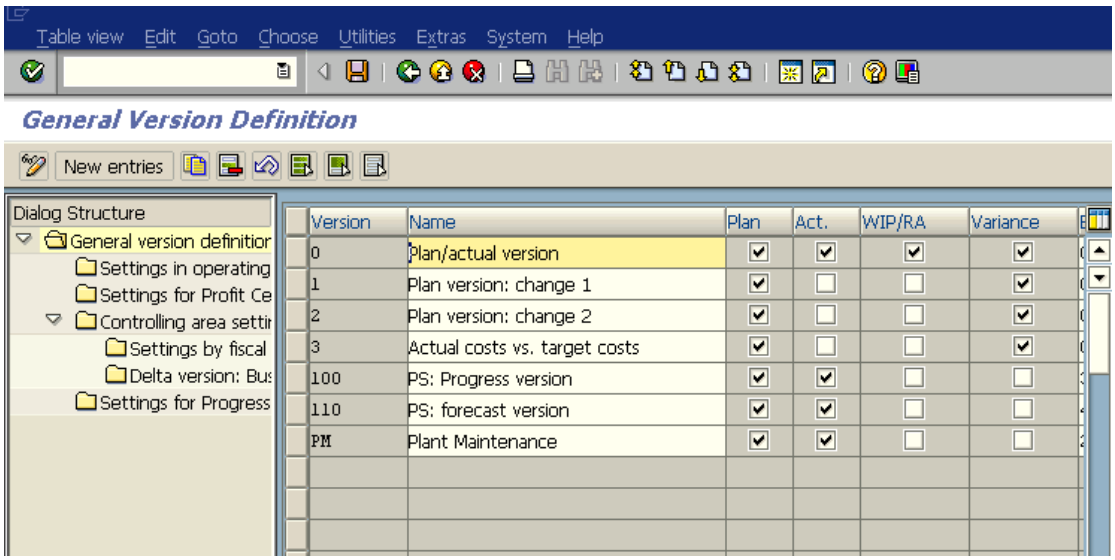


Click



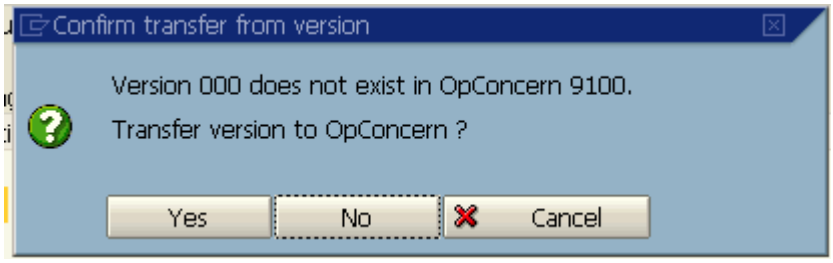
3.2 Maintain Versions

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



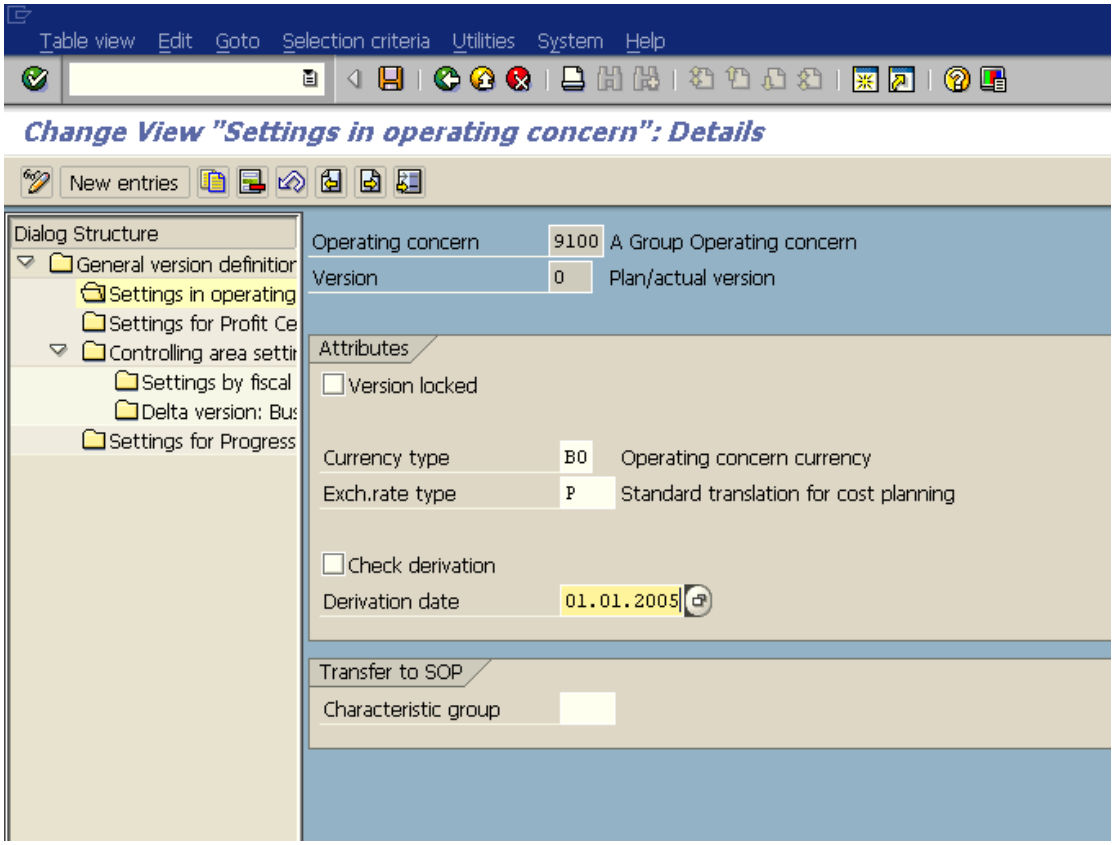
Select

Double click



Click on Yes to transfer the version to operating concern

Change the exchange rate type from M to P



Click

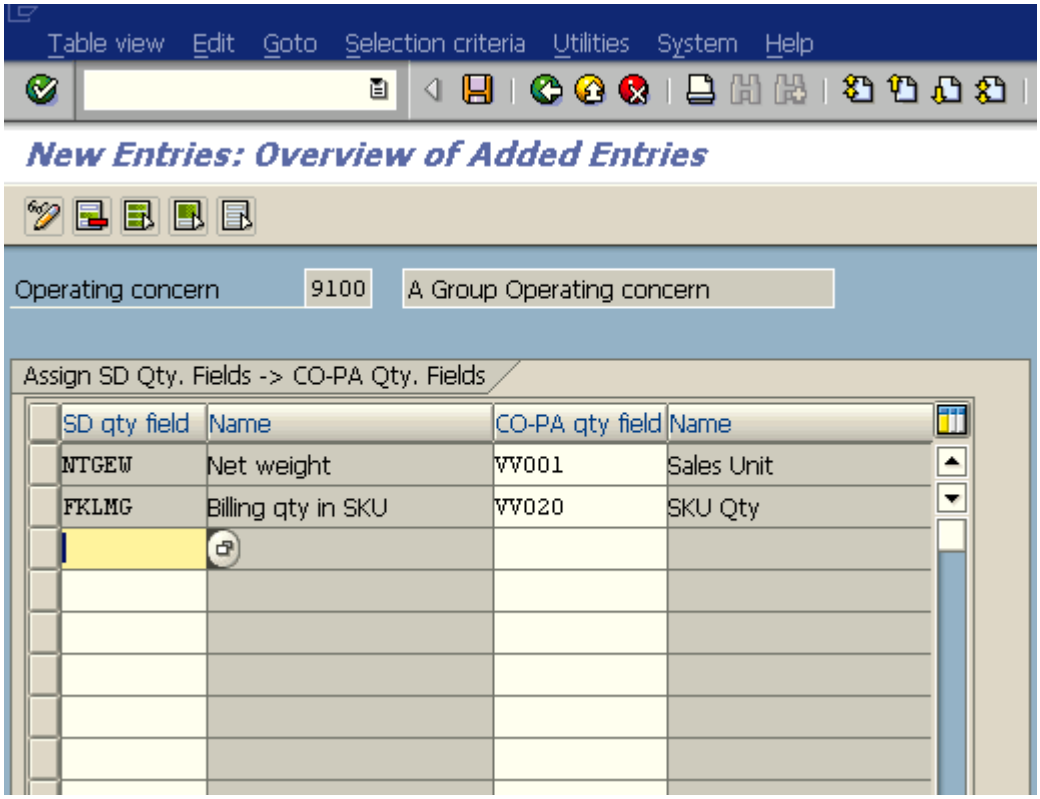
3.3 Assign Quantity Fields

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

=> **<u>Customizing request generated here</u>**

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

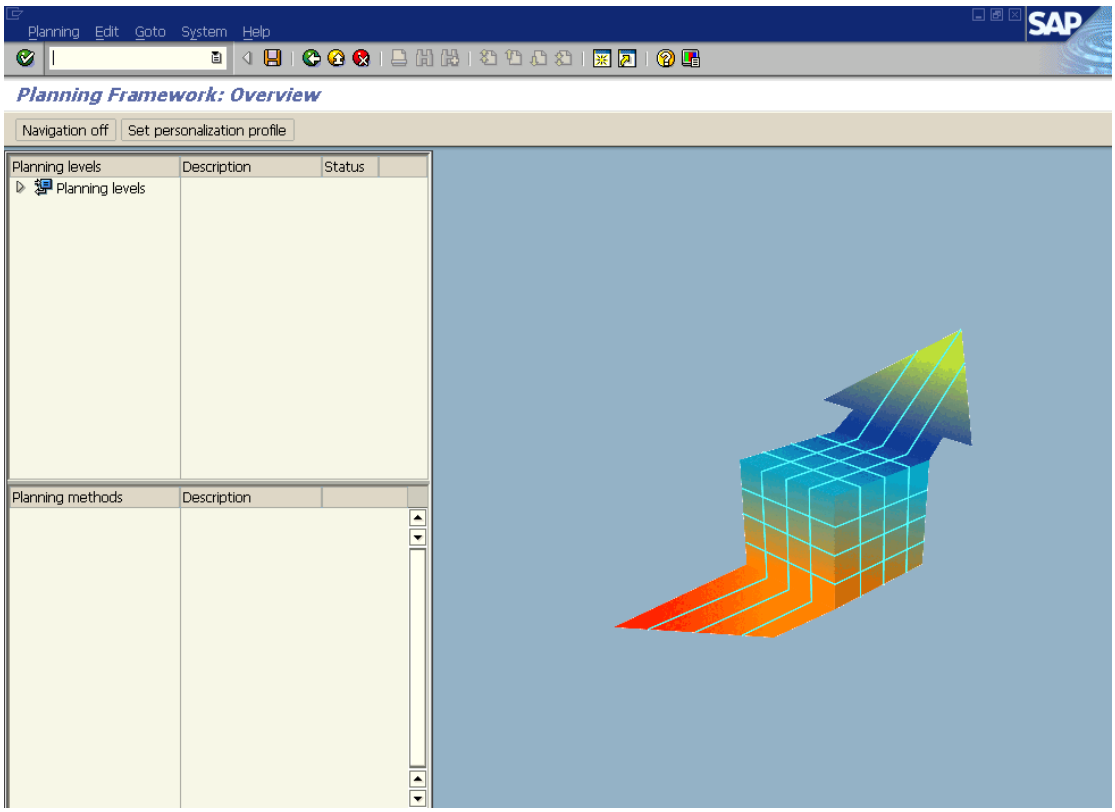
work package that determines which planning objects are relevant to a specific planner.

- **Planning methods**

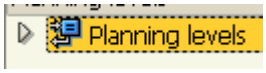
Planning methods are functions with which planning data can be entered and changed.

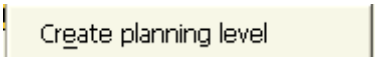
- **Parameter set**

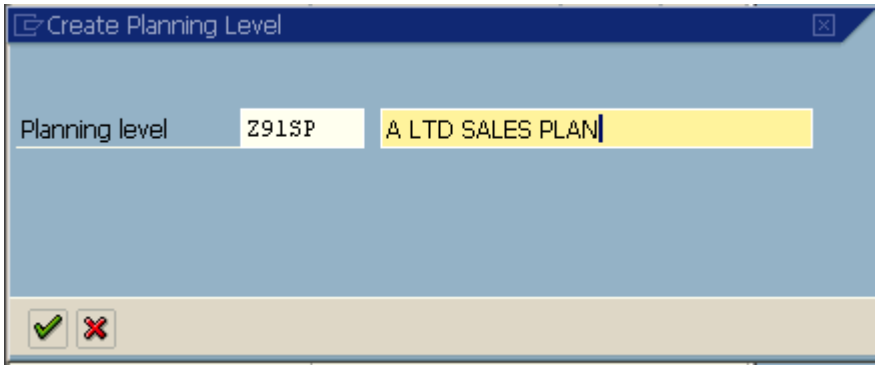
A parameter set contains all the settings necessary for executing a planning method

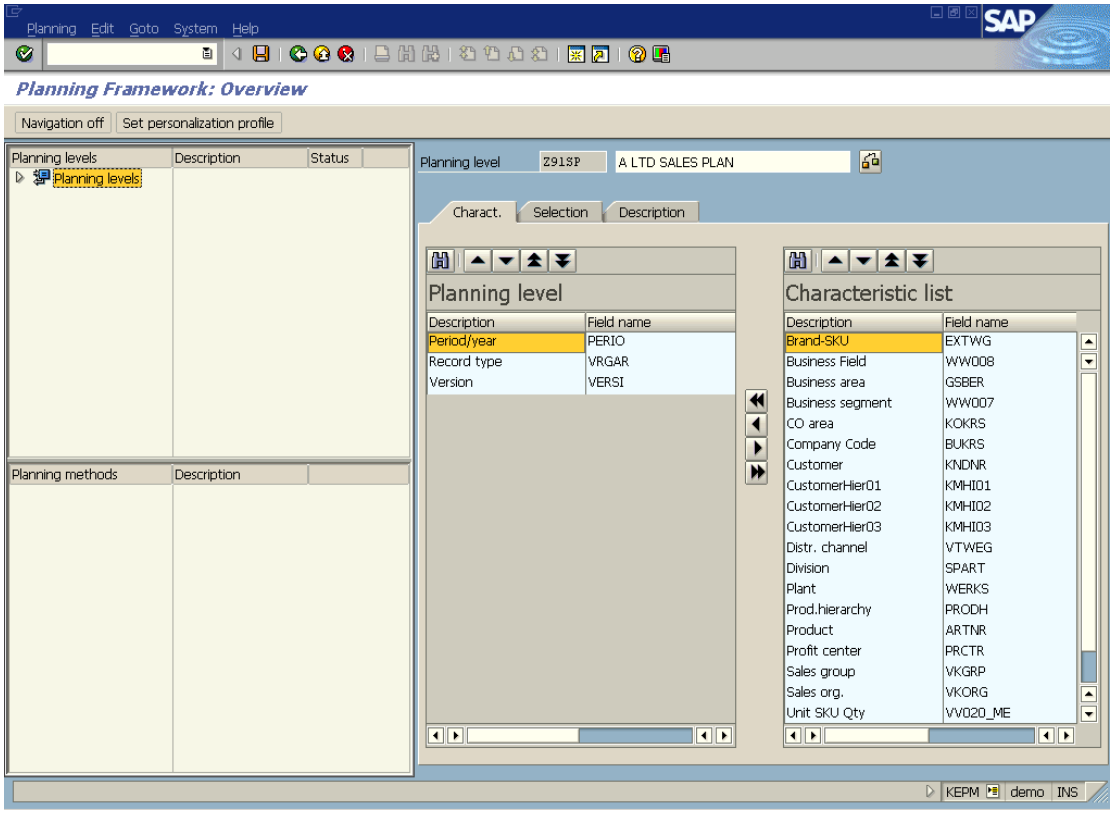


We want to do a sales plan for a year based on customer, product , Gross sales and sales unit.

Click 

and right click 





Select

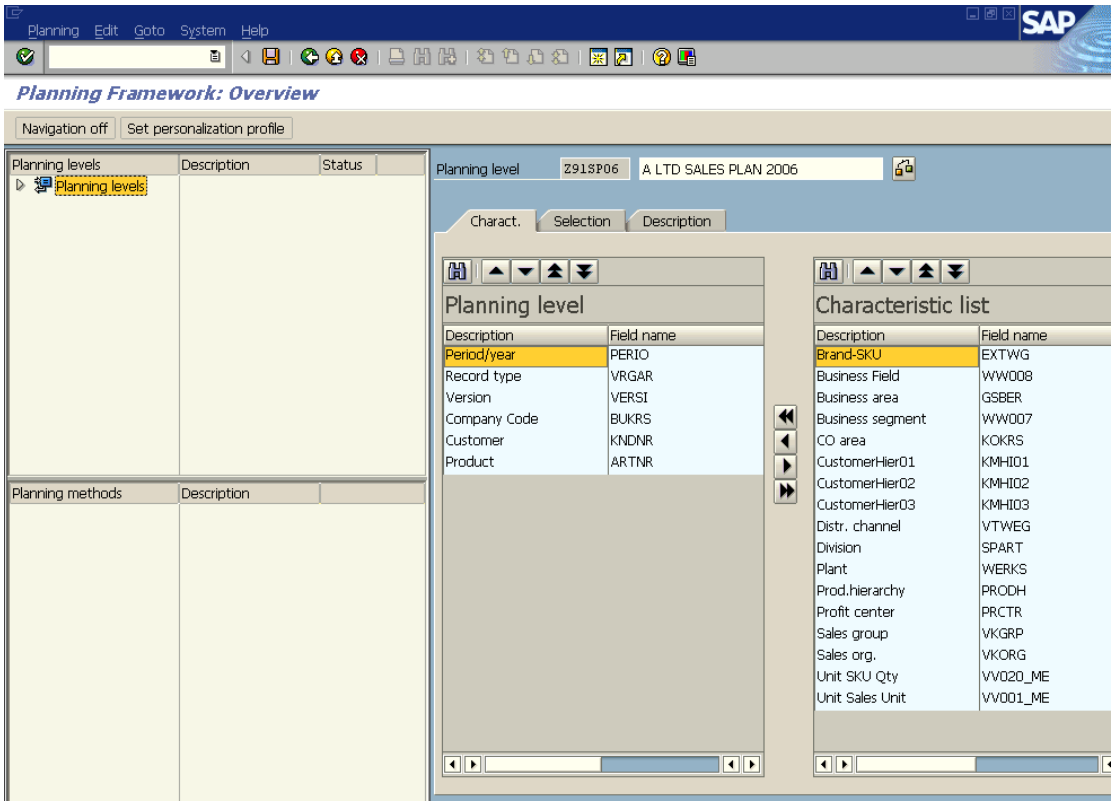
Click

Select

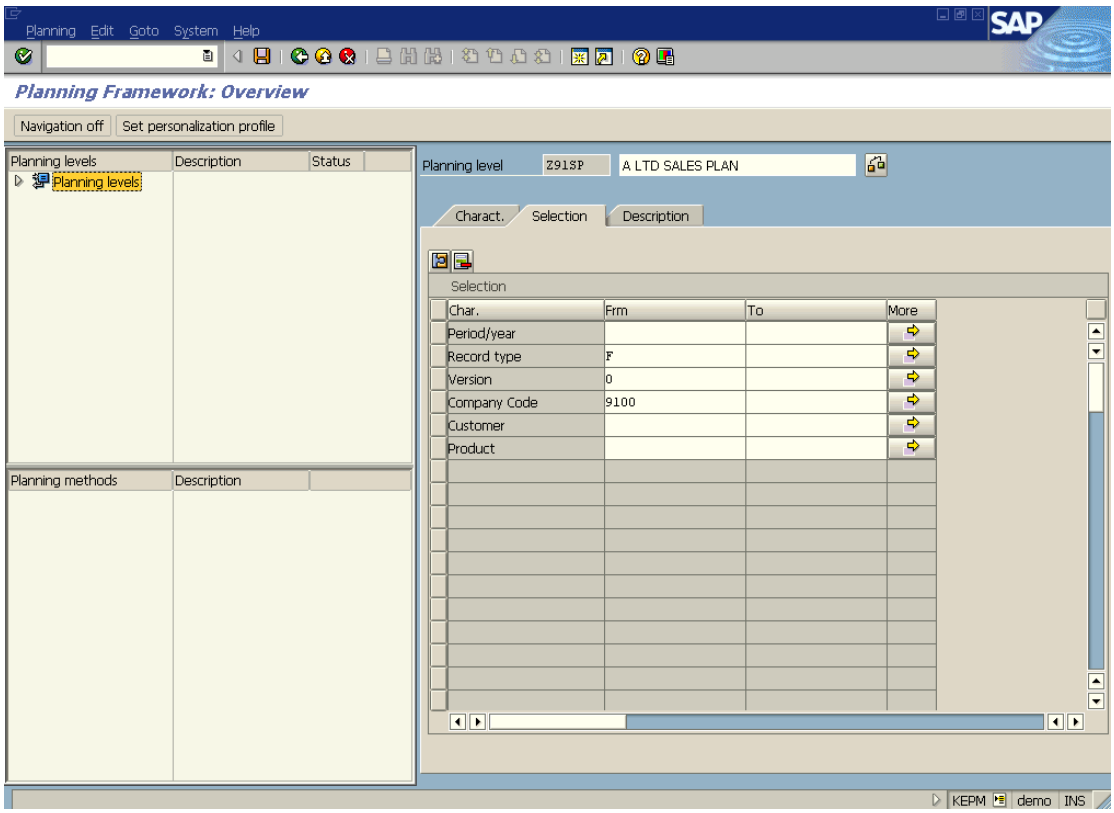
Click

Select

Click

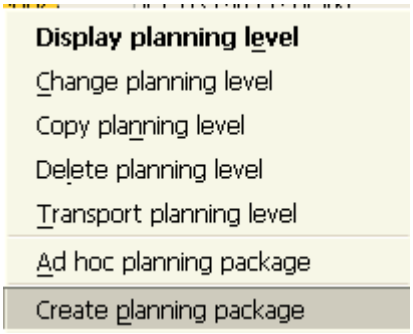

Planning Edit Goto System Help
SAP
Planning Framework: Overview
Navigation off
Set personalization profile
Planning levels
Description
Status
Planning levels
Planning level
Z91SP06
A LTD SALES PLAN 2006
Charact.
Selection
Description
Planning level
Description
Field name
Period/year
PERIO
Record type
VRGAR
Version
VERSI
Company Code
BUKRS
Customer
KNDNR
Product
ARTNR
Characteristic list
Description
Field name
Brand-SKU
EXTWG
Business Field
WW008
Business area
GSBER
Business segment
WW007
CO area
KOKRS
CustomerHier01
KMHI01
CustomerHier02
KMHI02
CustomerHier03
KMHI03
Distr. channel
VTWEG
Division
SPART
Plant
WERKS
Prod.hierarchy
PRODH
Profit center
PRCTR
Sales group
VKGRP
Sales org.
VKORG
Unit SKU Qty
VV020_ME
Unit Sales Unit
VV001_ME
Planning methods
Description

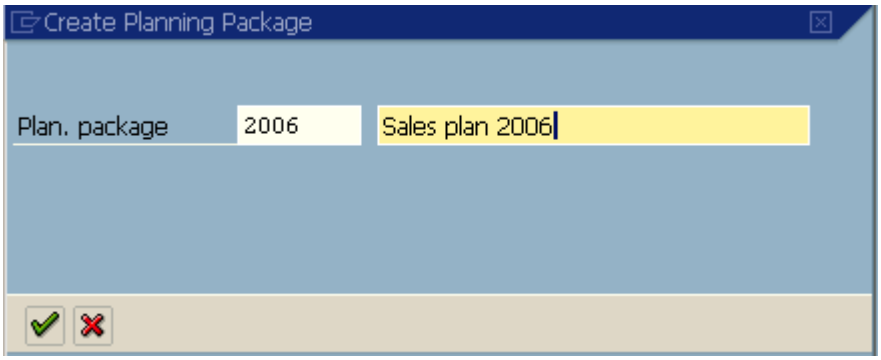
Click
Selection

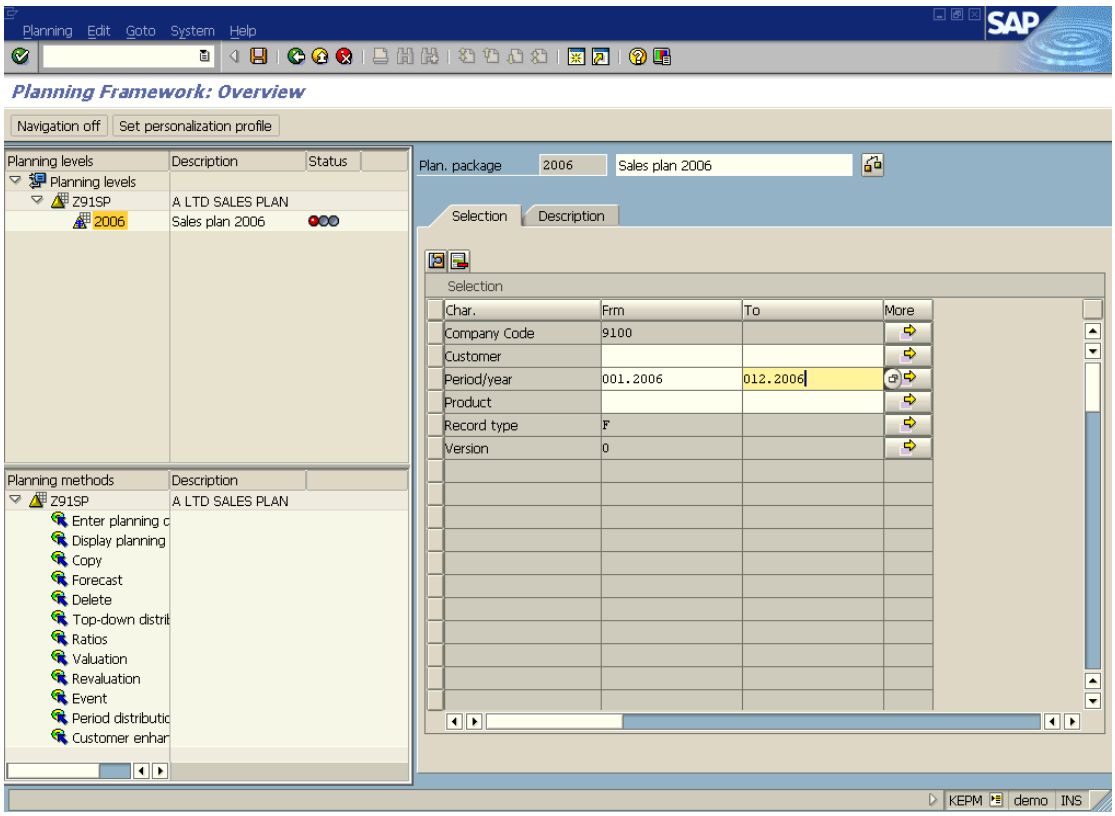

Planning Edit Goto System Help
SAP
Planning Framework: Overview
Navigation off
Set personalization profile
Planning levels
Description
Status
Planning levels
Planning level
Z91SP
A LTD SALES PLAN
Charact.
Selection
Description
Selection
Char.
Frm
To
More
Period/year
Record type
F
Version
0
Company Code
9100
Customer
Product
Planning methods
Description
KEPM
demo
INS

Click on

Click on **and right click**

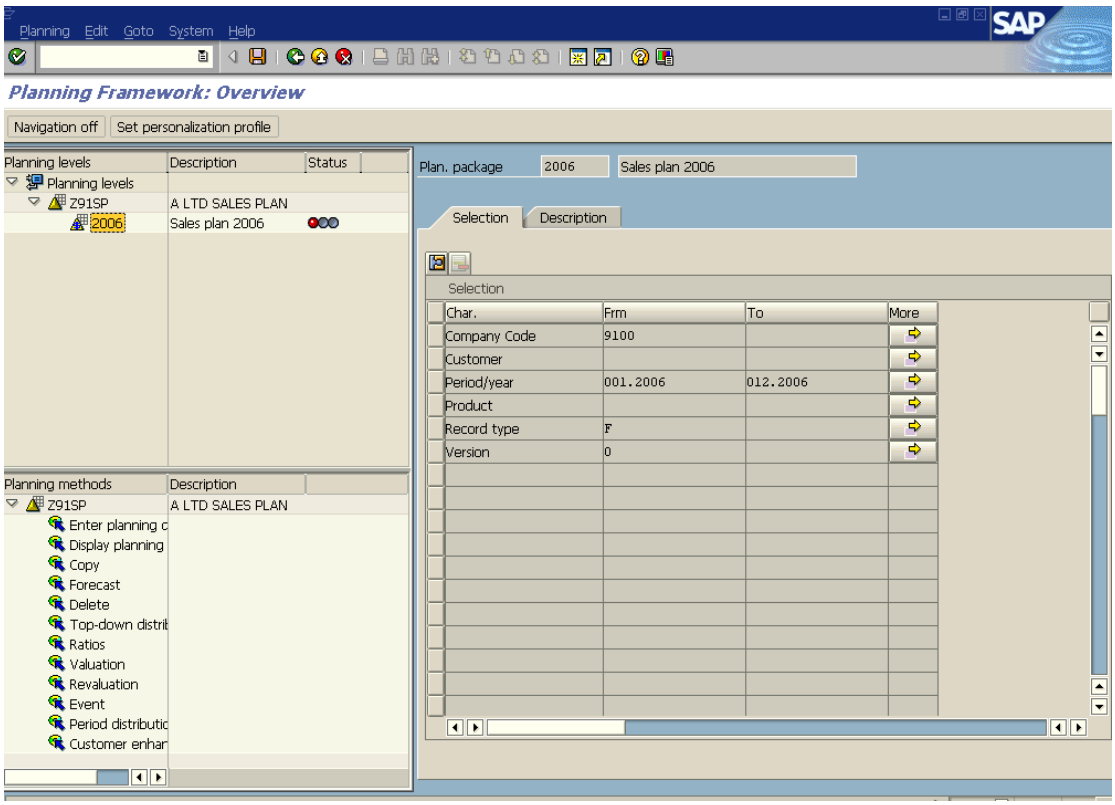


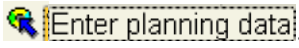




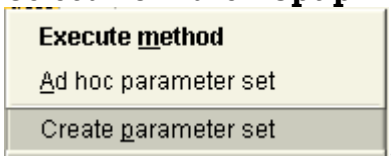
Click on

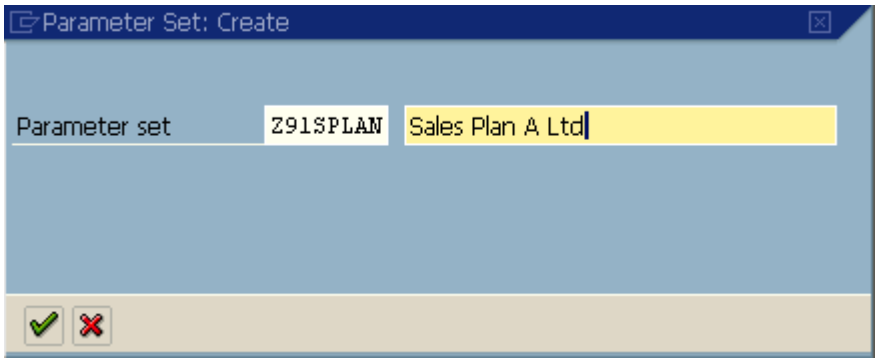
Double click

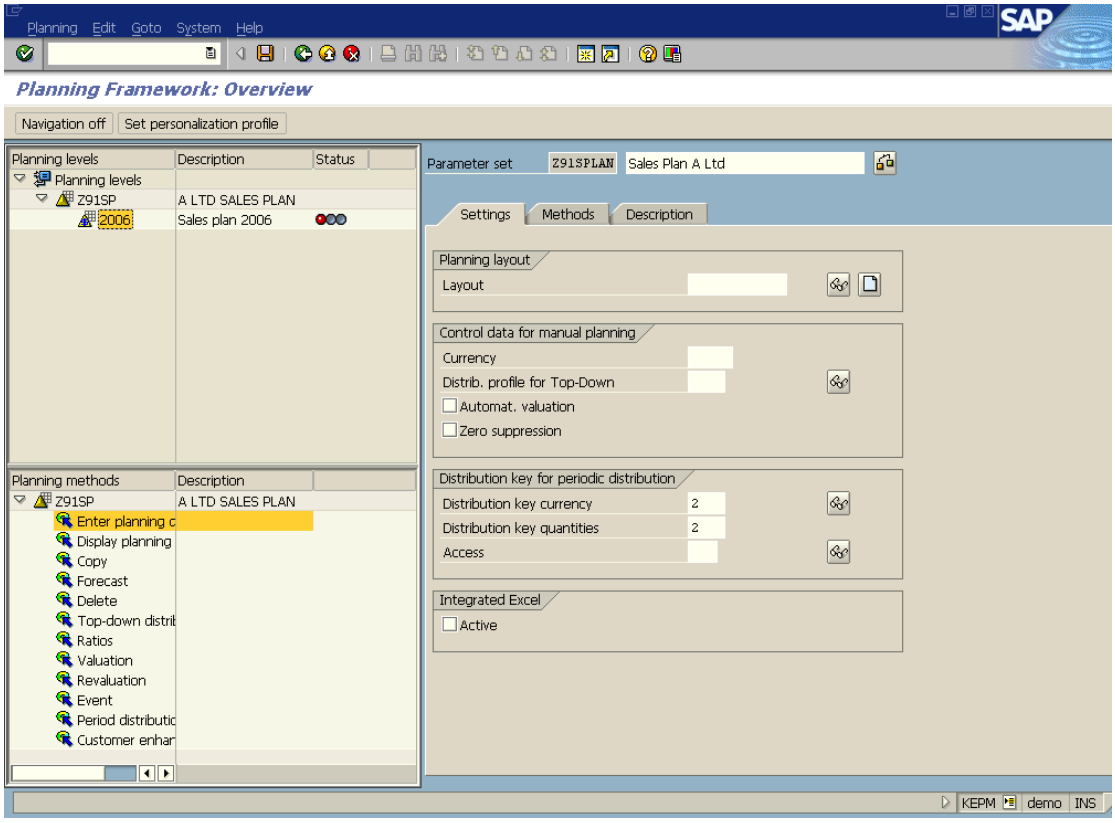


Right-click the **Enter planning data** 
.

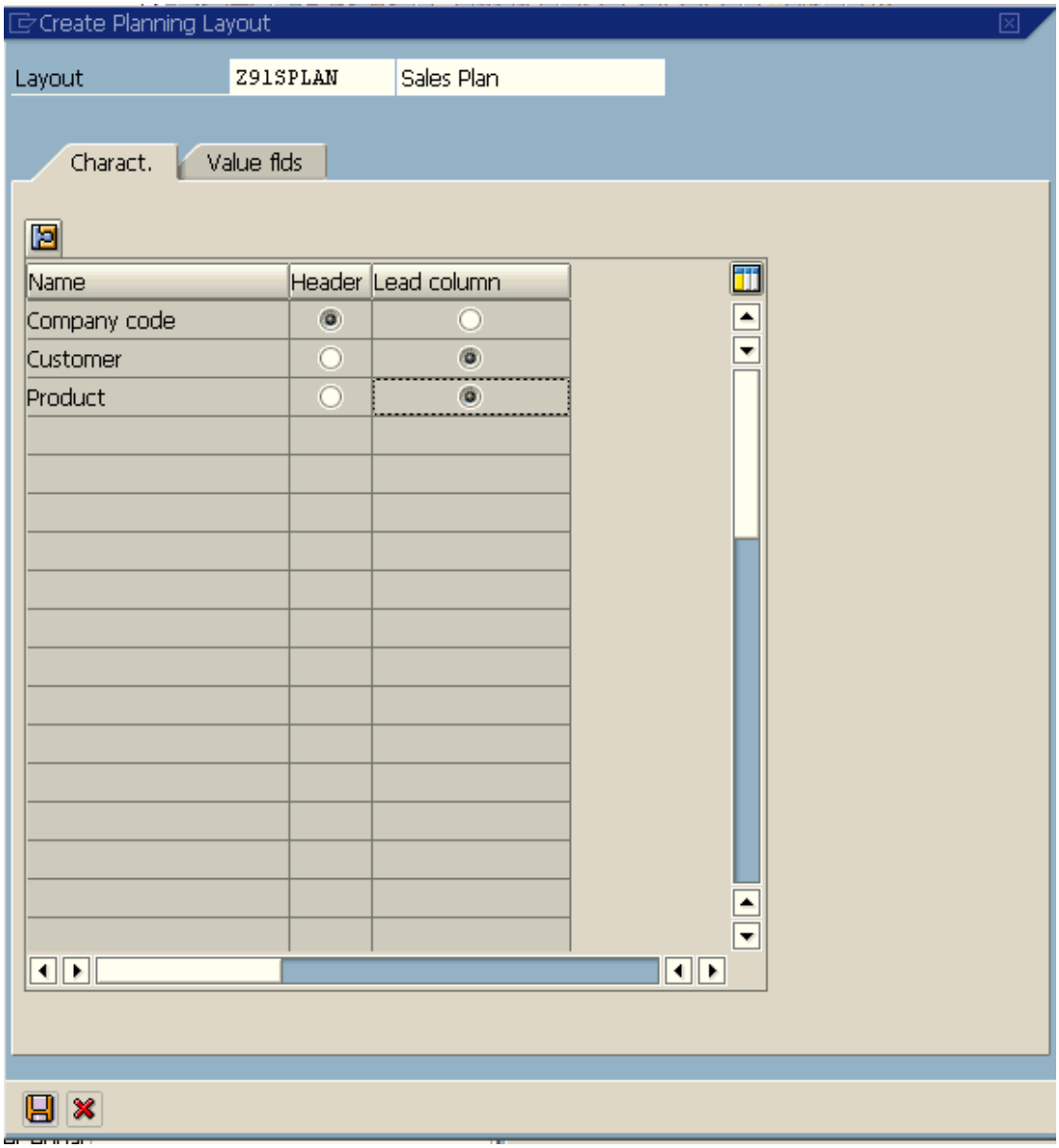
Select from the **Popup Menu** → ***Create parameter set***


.

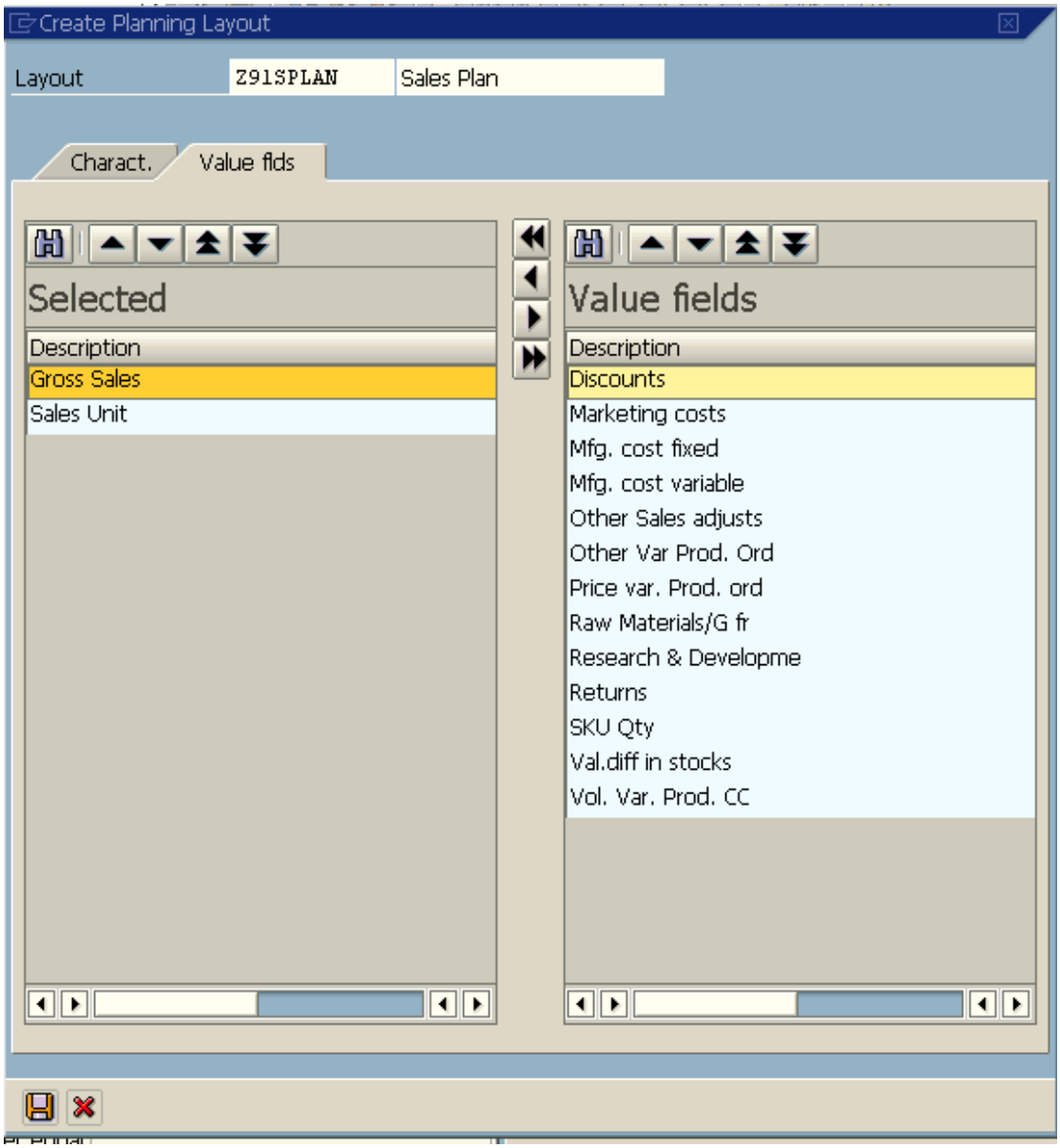




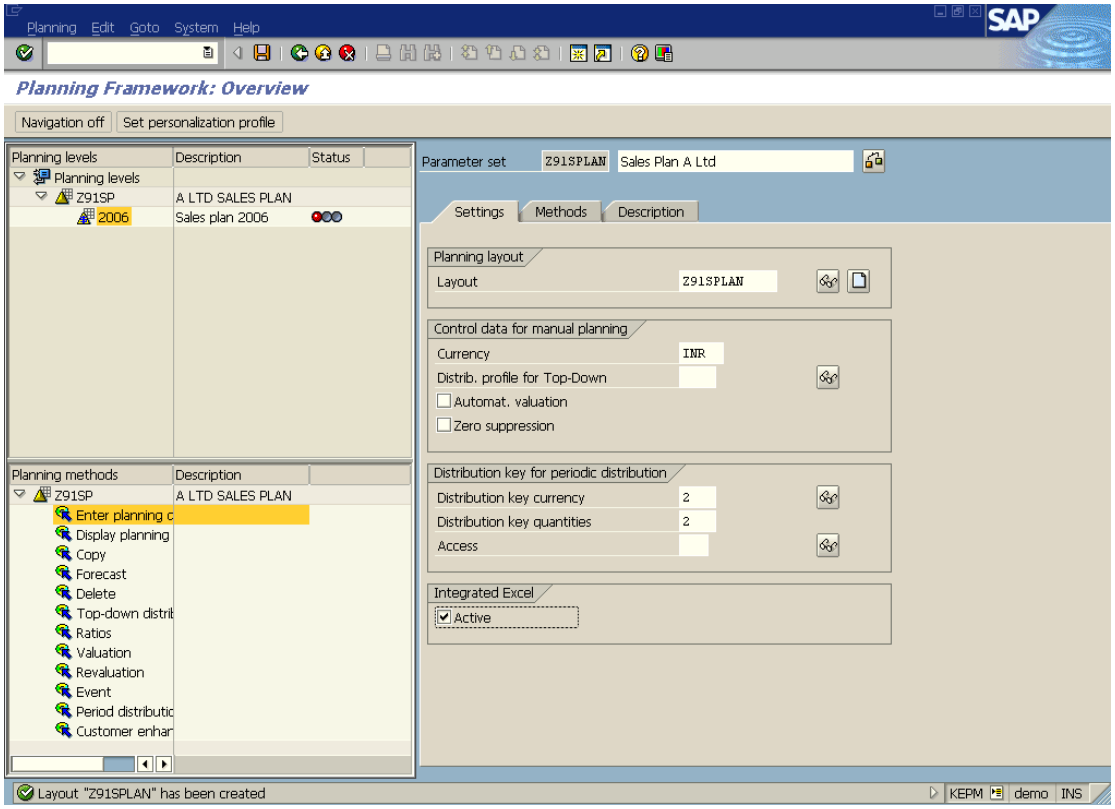
Click the **Layout Create** button



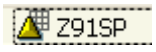
Click the **Value flds** tab button


Create Planning Layout
Layout
Z91SPLAN
Sales Plan
Charact.
Value flds
Selected
Description
Gross Sales
Sales Unit
Value fields
Description
Discounts
Marketing costs
Mfg. cost fixed
Mfg. cost variable
Other Sales adjusts
Other Var Prod. Ord
Price var. Prod. ord
Raw Materials/G fr
Research & Developme
Returns
SKU Qty
Val.diff in stocks
Vol. Var. Prod. CC

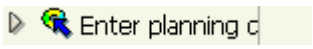
Click on

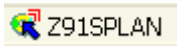


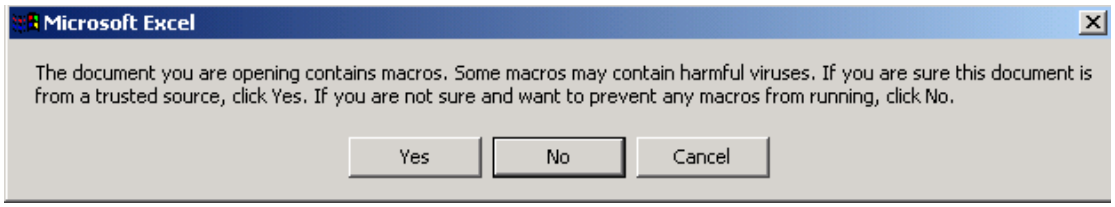
Click on

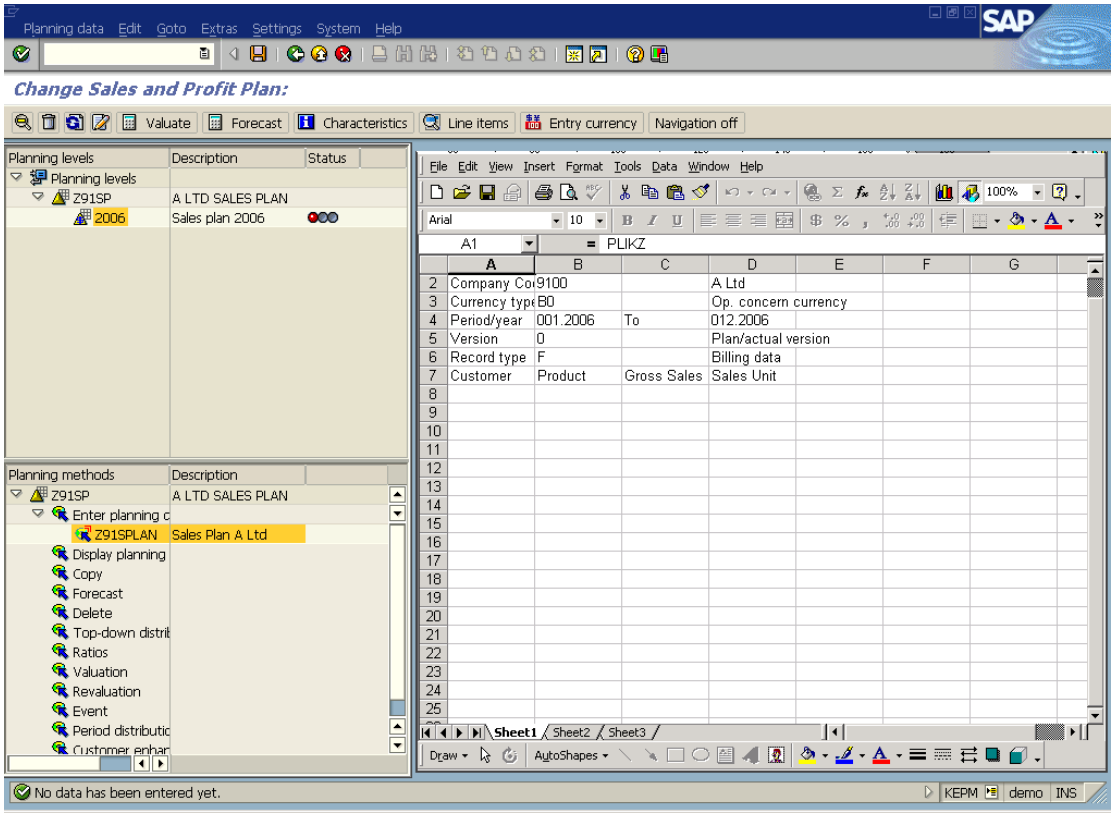
click  **to open planning package 2006**

double click

Click 

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).

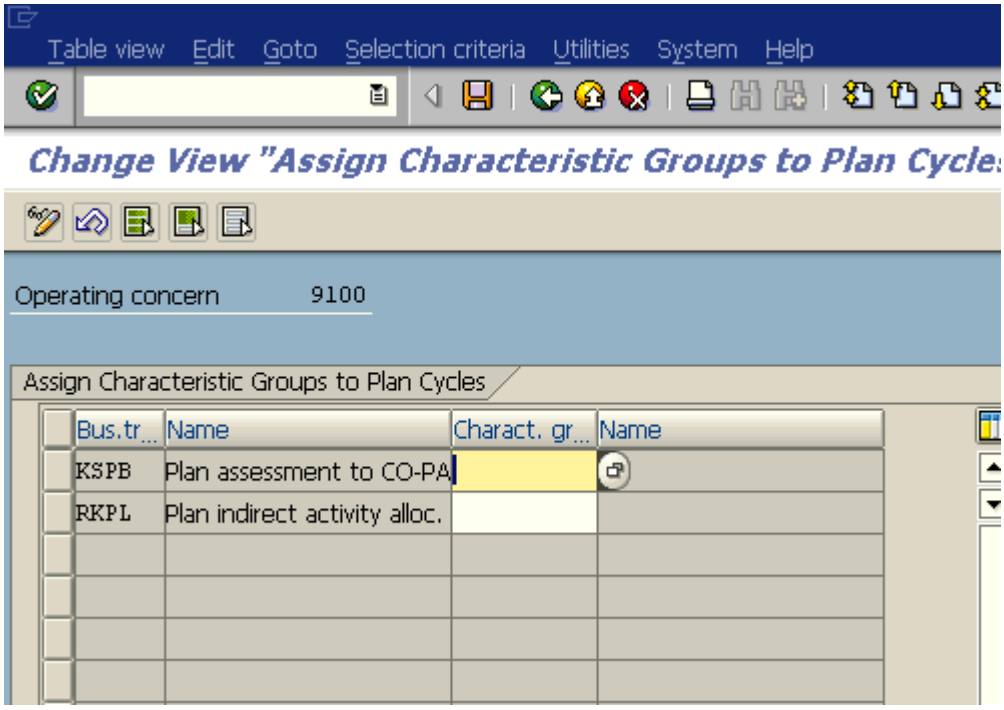
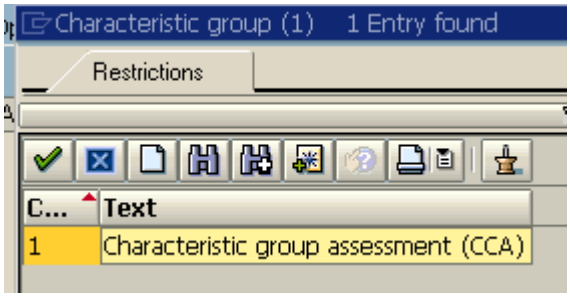


Table view Edit Goto Selection criteria Utilities System Help
Change View "Assign Characteristic Groups to Plan Cycles
Operating concern 9100
Assign Characteristic Groups to Plan Cycles
Bus.tr... Name Charact. gr... Name
KSPB Plan assessment to CO-PA
RKPL Plan indirect activity alloc.


Characteristic group (1) 1 Entry found
Restrictions
C... Text
1 Characteristic group assessment (CCA)

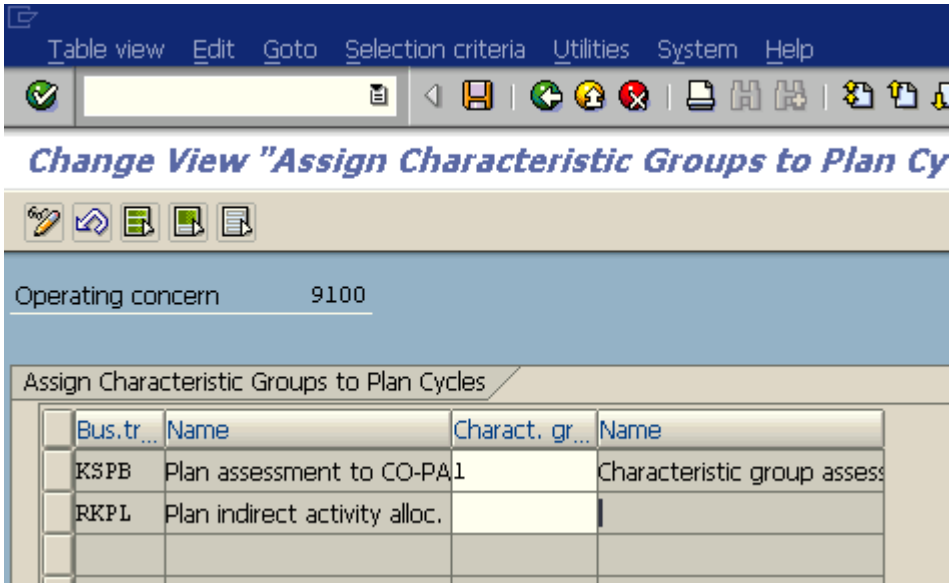


Table view Edit Goto Selection criteria Utilities System Help
Change View "Assign Characteristic Groups to Plan Cy
Operating concern 9100
Assign Characteristic Groups to Plan Cycles
Bus.tr... Name Charact. gr... Name
KSPB Plan assessment to CO-PA 1 Characteristic group assess
RKPL Plan indirect activity alloc.

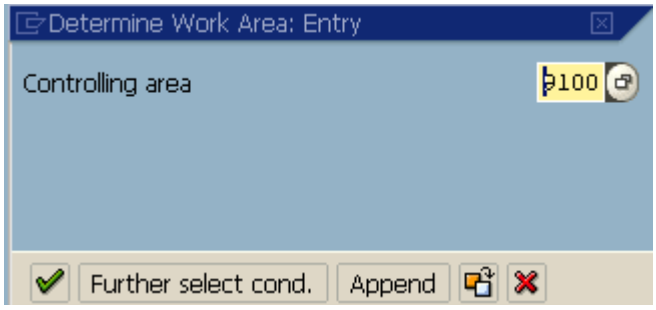
Click

3.6 Assign Receiver Plan Version

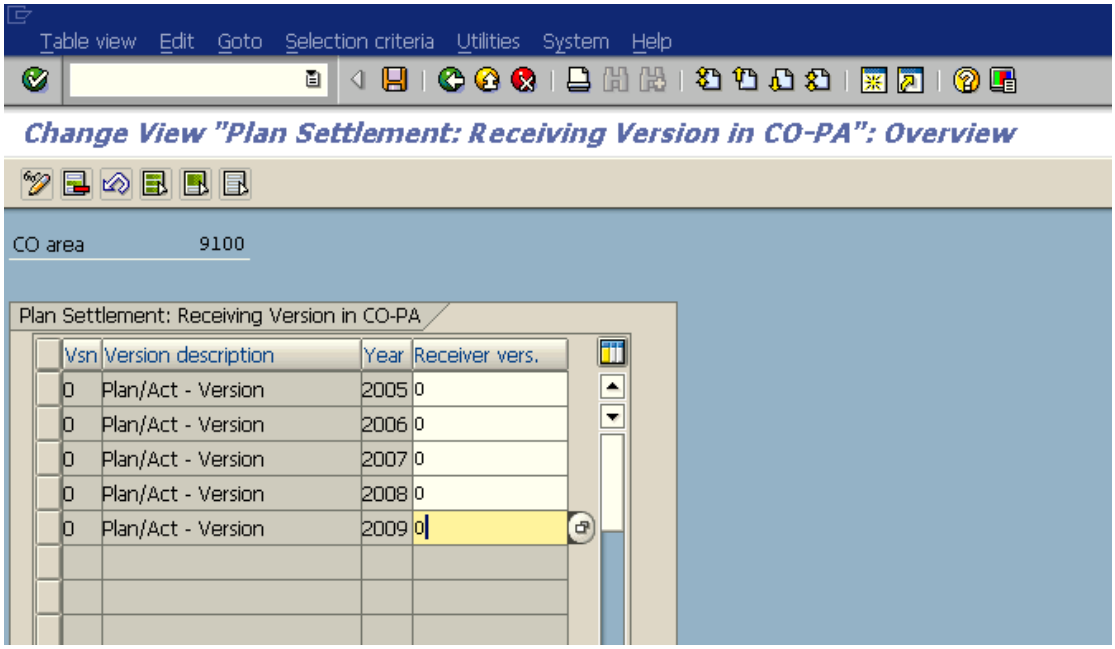
IMG → Controlling → Profitability Analysis → Planning→ Integrated Planning → Transfer Cost Center Planning/Process Planning → Initial Steps → Assign Receiver Plan Version

=> **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



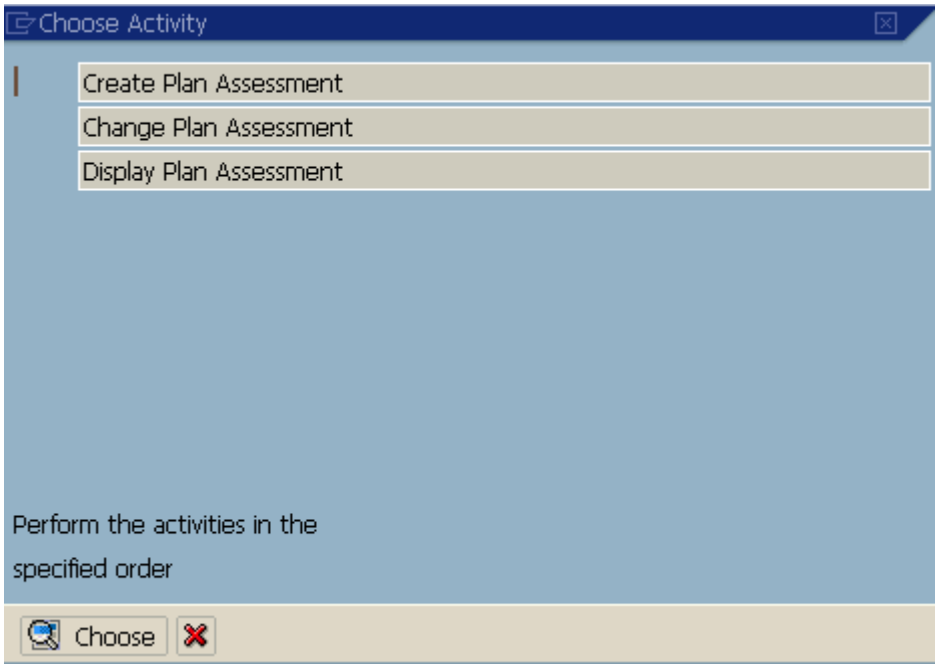
Click on

3.7 Define Structure of Cost Center Assessment/Process Cost Assessment

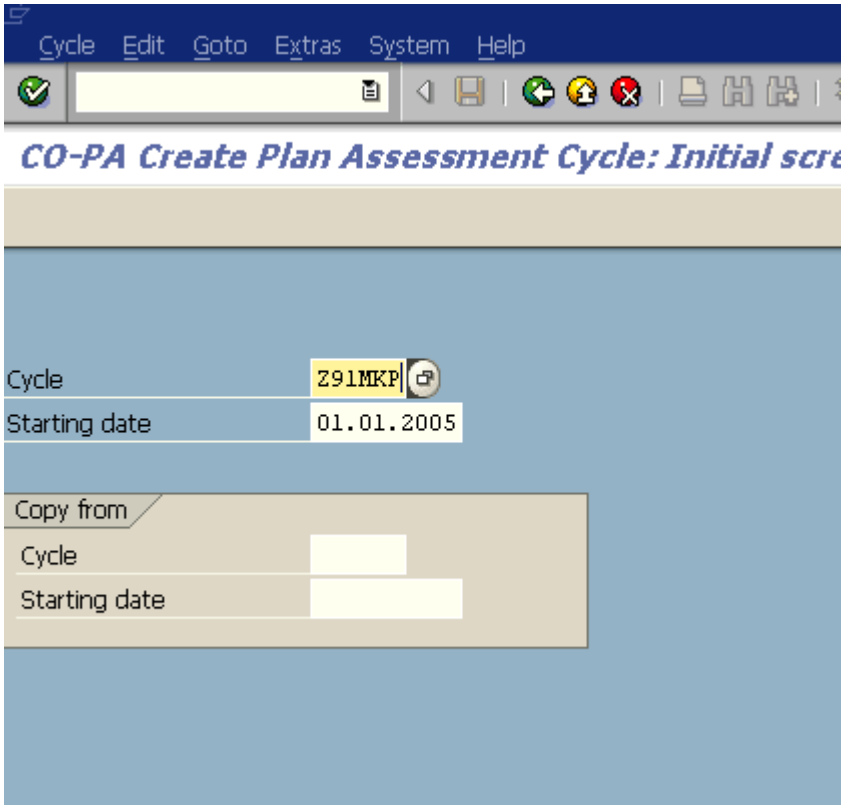
IMG → Controlling → Profitability Analysis → Planning→ Integrated Planning → Transfer Cost Center Planning/Process Planning → Assess Cost Center Costs / Process Costs → Define Structure of Cost Center Assessment/Process Cost Assessment

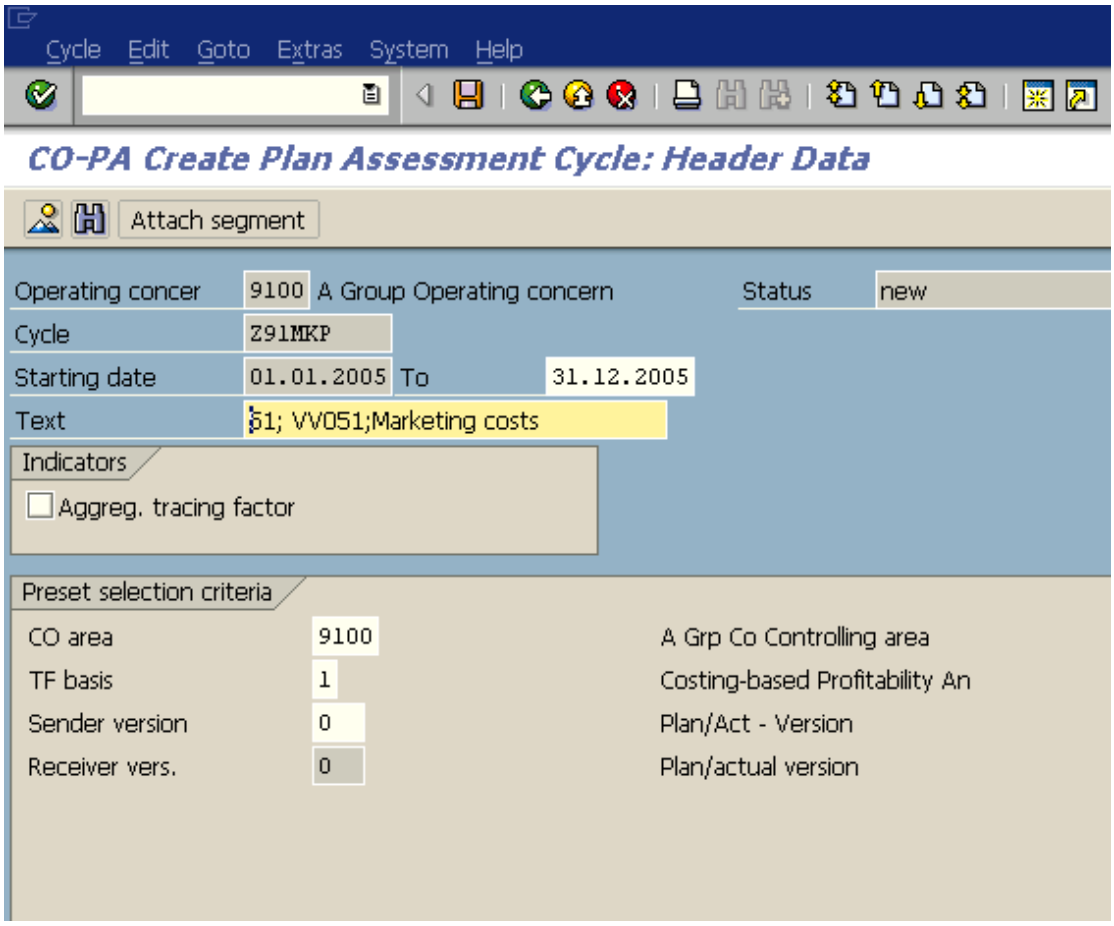
Here we define the plan assessment cycle for allocating costs from cost centers to Profitability analysis. Here we have the cycle segment approach. You can attach various segments to the cycle.

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

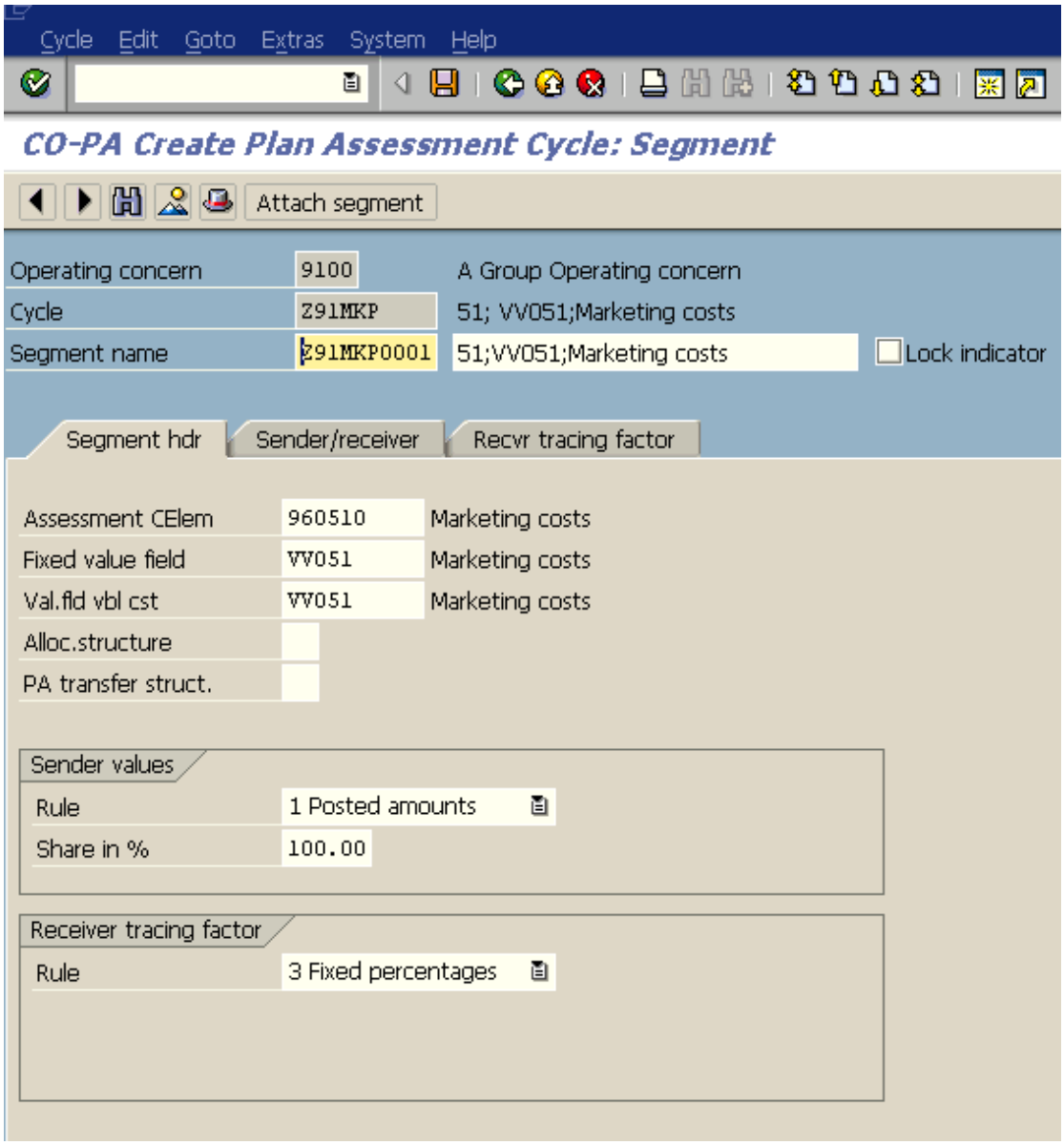


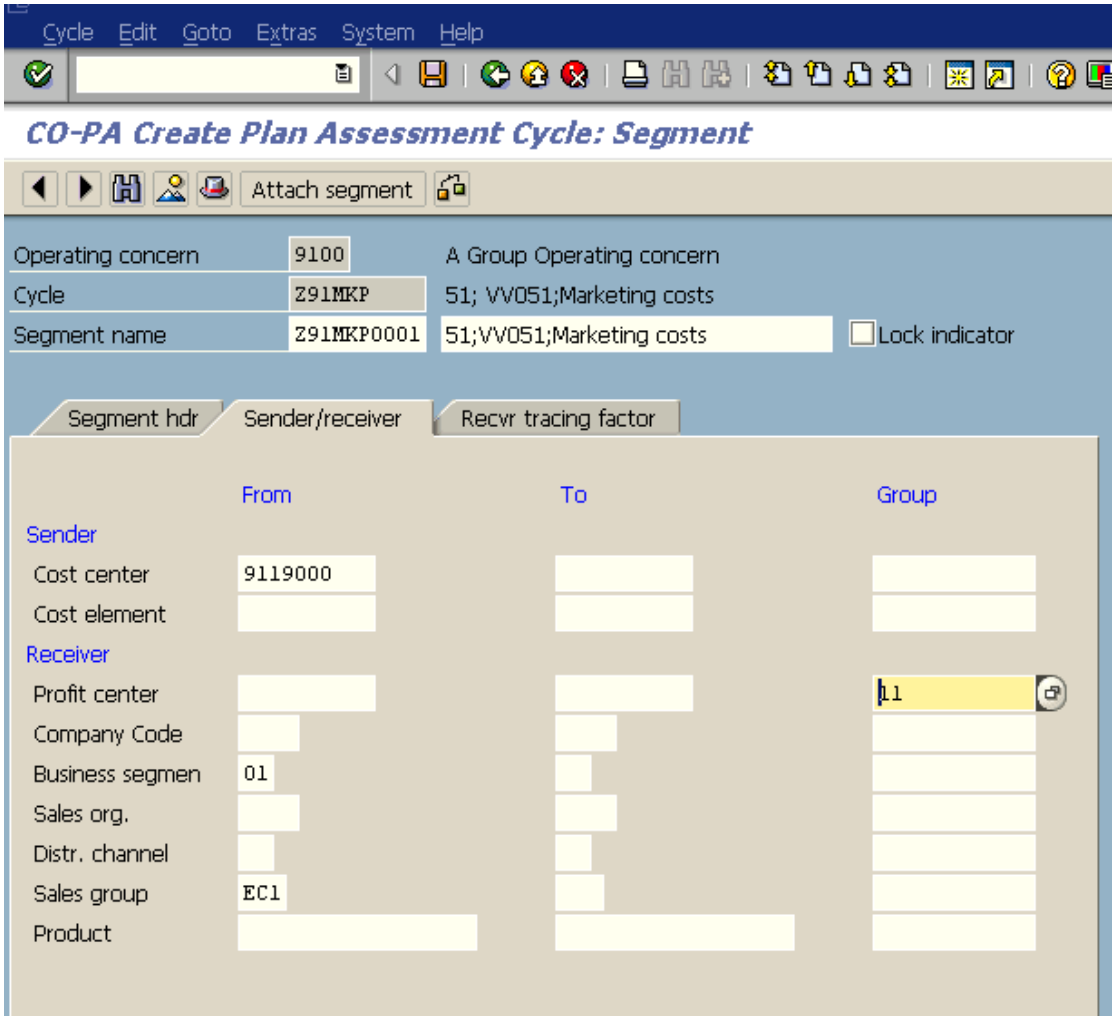
Update the following:-


Cycle Edit Goto Extras System Help
CO-PA Create Plan Assessment Cycle: Initial scre
Cycle
Z91MKP
Starting date
01.01.2005
Copy from
Cycle
Starting date

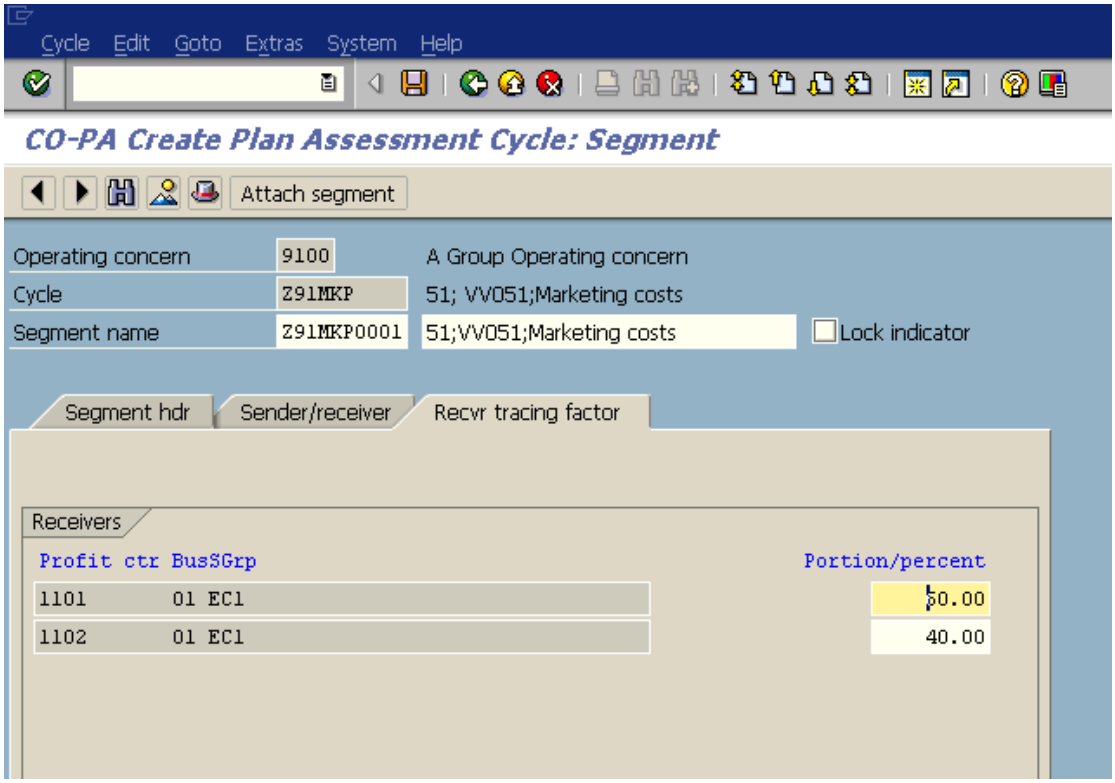

Cycle Edit Goto Extras System Help
CO-PA Create Plan Assessment Cycle: Header Data
Attach segment
Operating concer
9100
A Group Operating concern
Status
new
Cycle
Z91MKP
Starting date
01.01.2005
To
31.12.2005
Text
51; VV051;Marketing costs
Indicators
Aggreg. tracing factor
Preset selection criteria
CO area
9100
A Grp Co Controlling area
TF basis
1
Costing-based Profitability An
Sender version
0
Plan/Act - Version
Receiver vers.
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 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
Sender
Cost center 9119000
Cost element
Receiver
Profit center
Company Code
Business segmen 01
Sales org.
Distr. channel
Sales group EC1
Product

Recvr tracing factor



Click

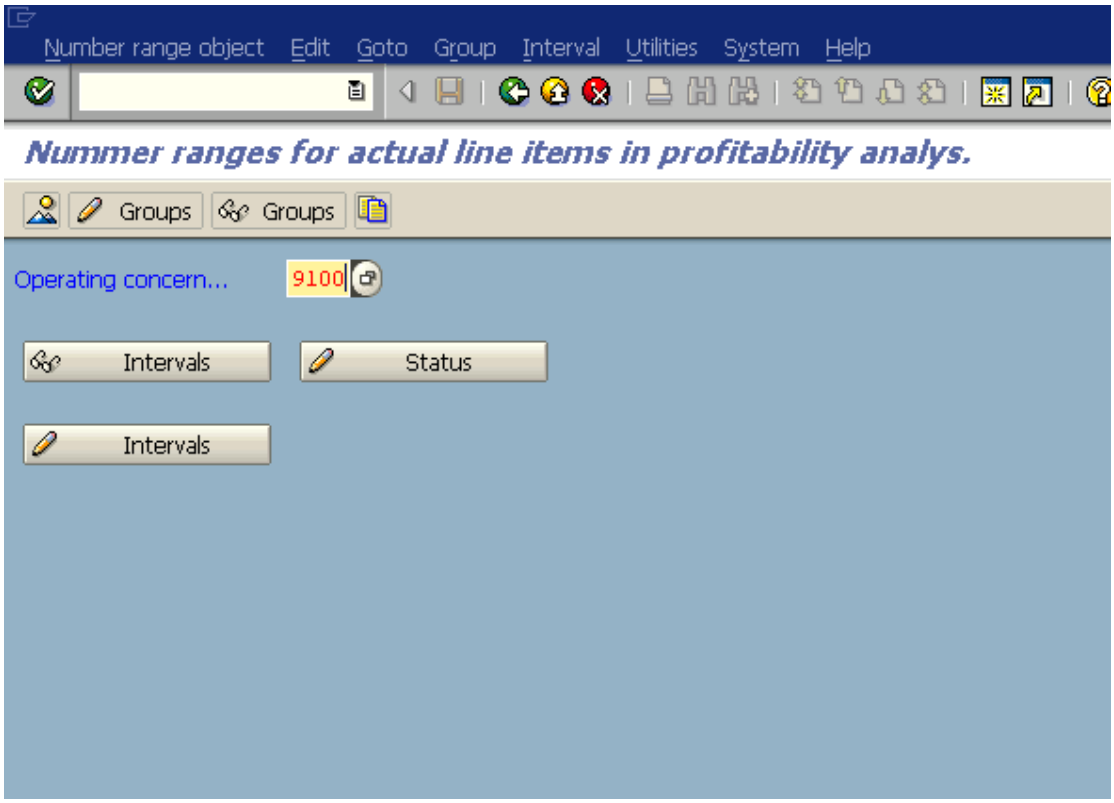
Click on

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**

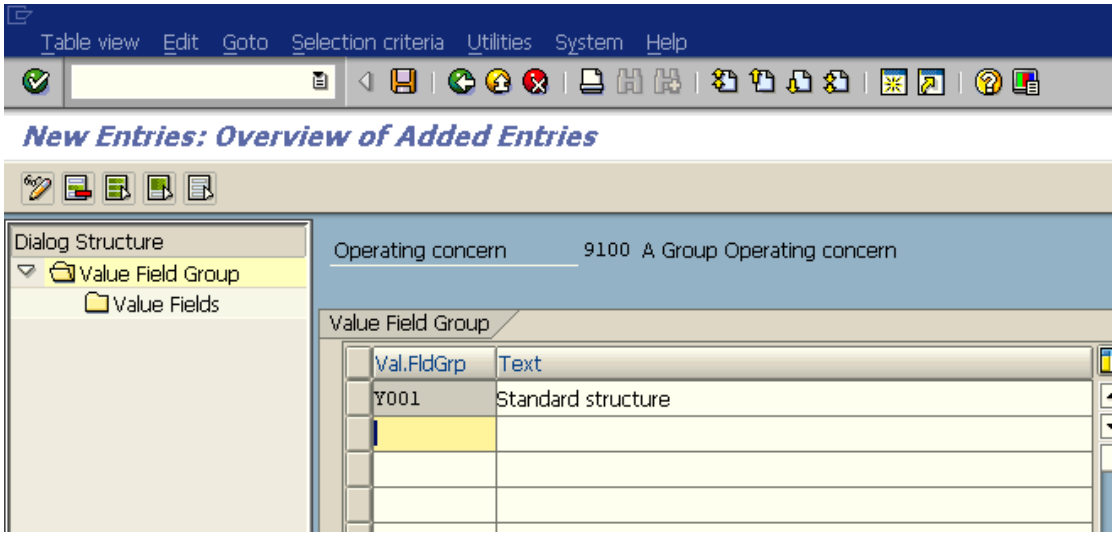
Here you define the "value field groups" representing the possible combinations of value fields in an operating concern. Values field groups are used to specify

- ✓ 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

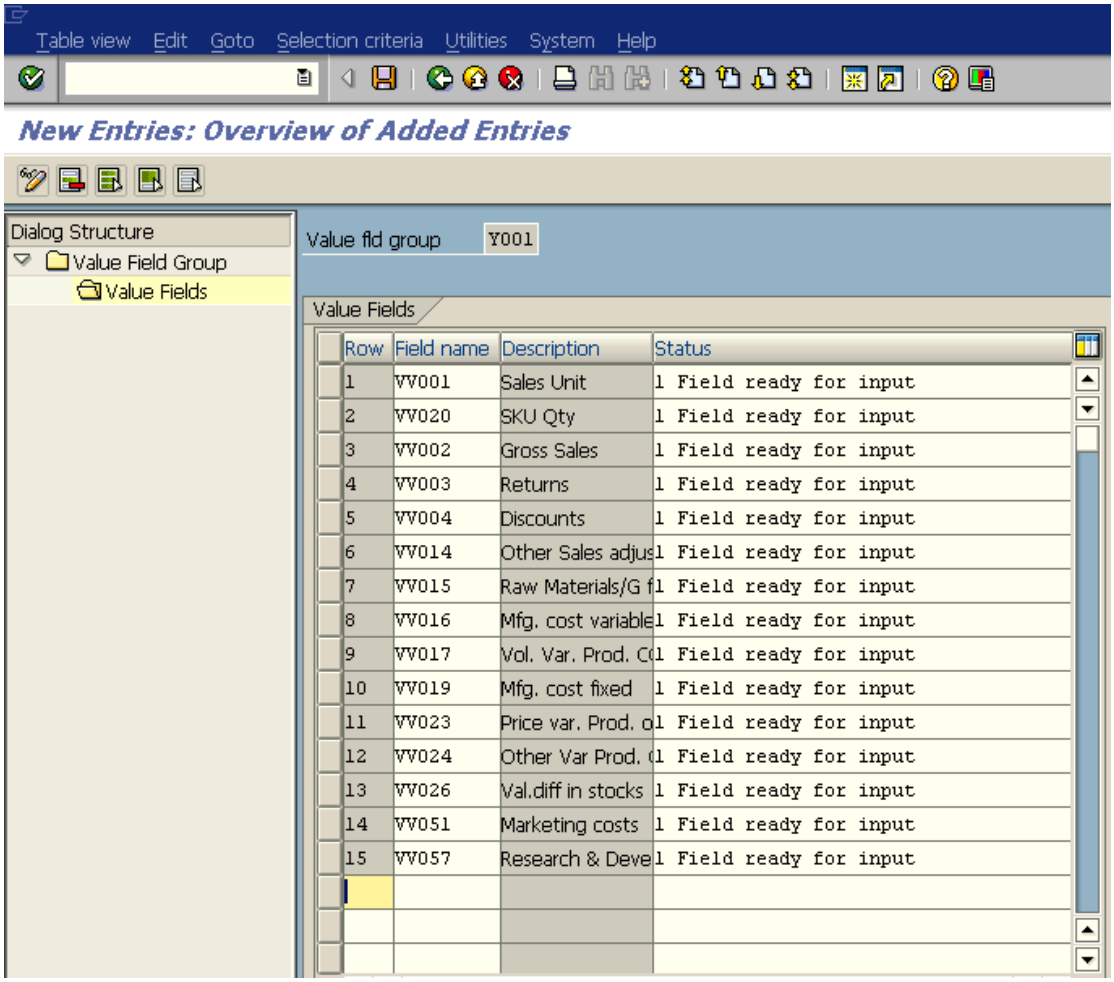


Click on

Select

Double click

Click on



Click on

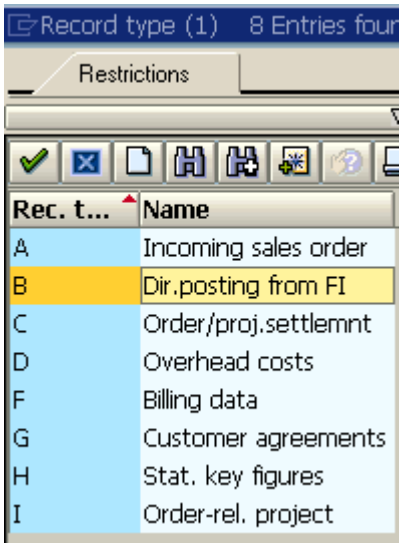
4.3 Assign Value Field Groups for Line Item Screens

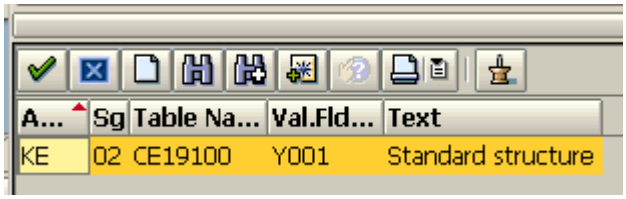
IMG → Controlling → Profitability Analysis → Flows of Actual Values→ Initial Steps→ Value Field Groups → Assign Value Field Groups for Line Item Screens

=> <u>Customizing request generated here</u>

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

Click on


Record type (1) 8 Entries four
Restrictions
Rec. t... Name
A Incoming sales order
B Dir.posting from FI
C Order/proj.settlemnt
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

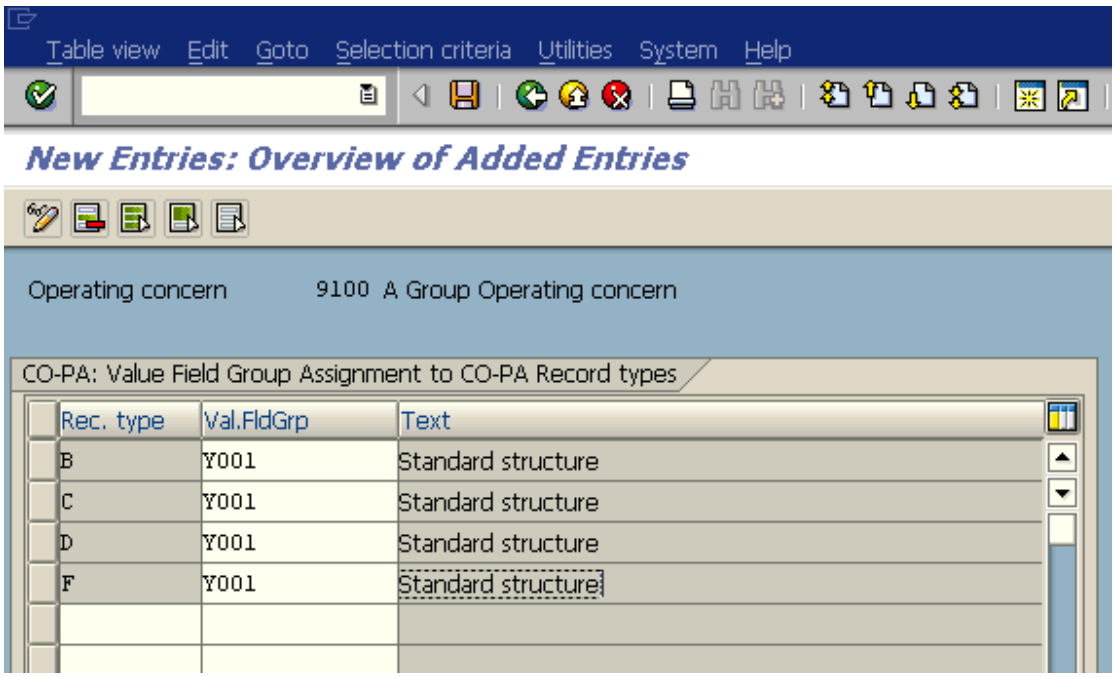


Table view Edit Goto Selection criteria Utilities System Help
New Entries: Overview of Added Entries
Operating concern 9100 A Group Operating concern
CO-PA: Value Field Group Assignment to CO-PA Record types
Rec. type Val.FldGrp Text
B Y001 Standard structure
C Y001 Standard structure
D Y001 Standard structure
F Y001 Standard structure

Click on

4.4 Activate Transfer of Incoming Sales Orders

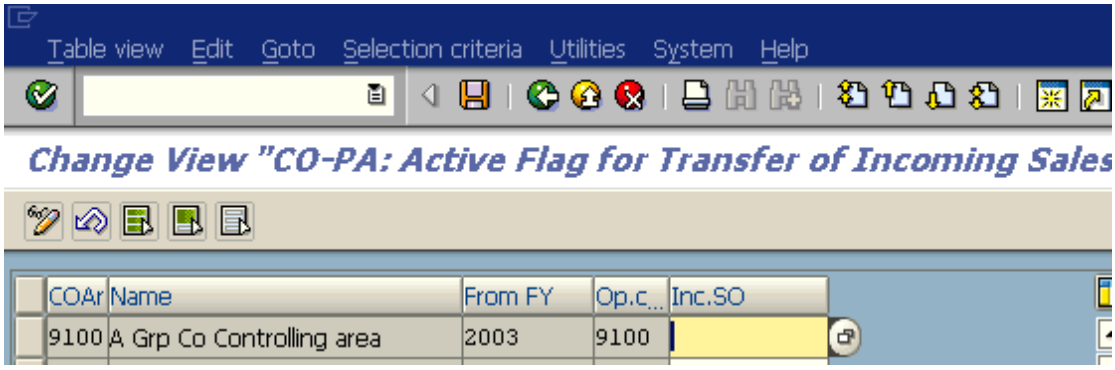
IMG → Controlling → Profitability Analysis → Flows of Actual Values → Transfer of Incoming Sales Orders→ Activate Transfer of Incoming Sales Orders

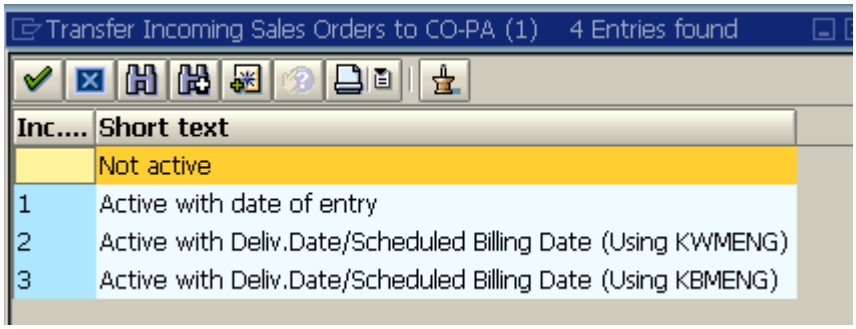
Here you activate transfer of incoming sales order from SD to CO-PA.

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.

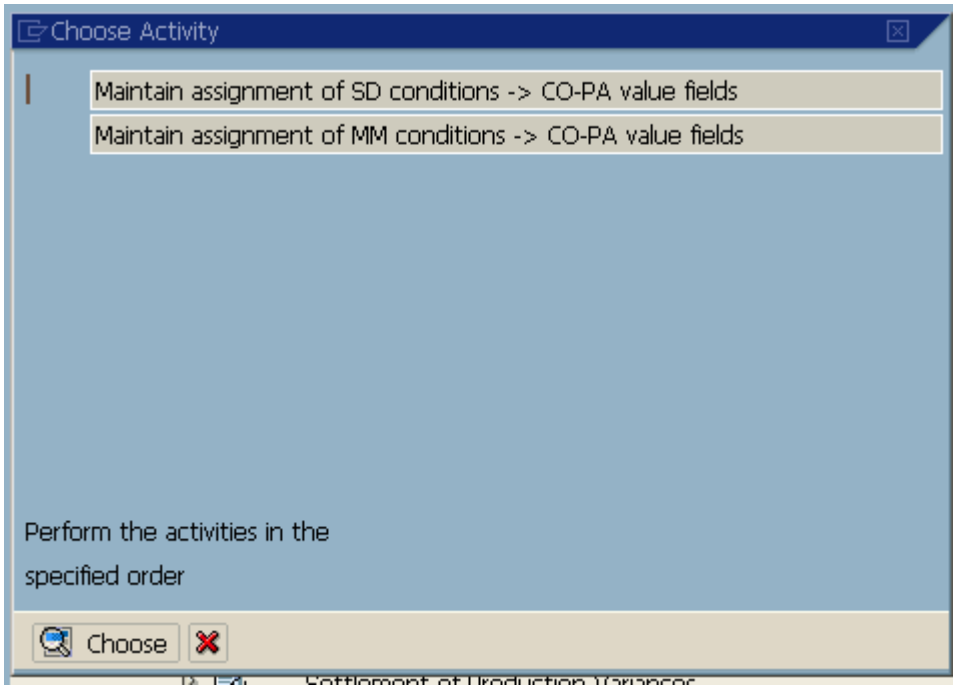
1. To transfer condition types for sales revenues and sales deductions to CO-PA, you need to make sure that the condition types and linked to an account in FI that is also defined as a cost element of the category "11" (revenue element) or "12" (sales deduction) in CO. These condition types must be assigned 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.

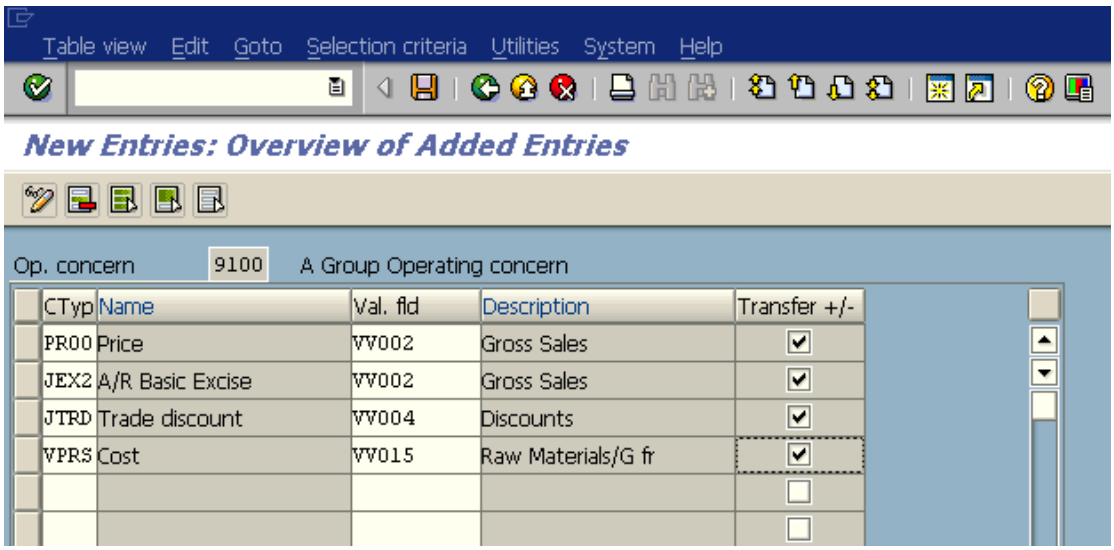
Note that the indicator Transfer +/- signs is not used to compare the different use of +/- signs between FI or SD and CO-PA. If you activate this indicator, only the positive and negative values for the condition in question will be balanced. This guarantees that the sum of the negative and positive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

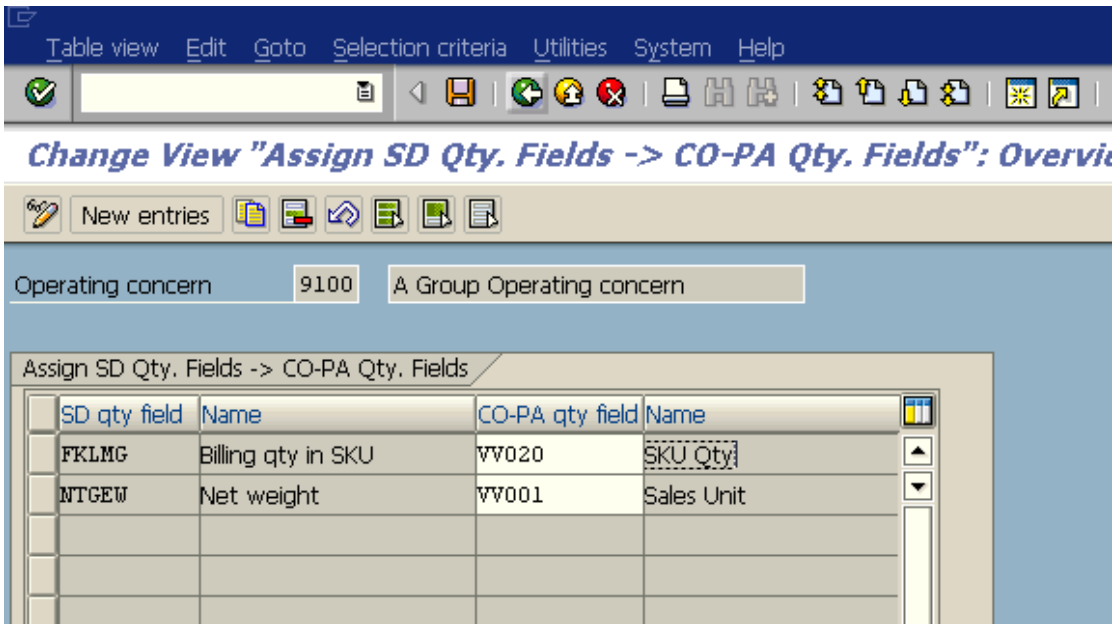


Click on

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.

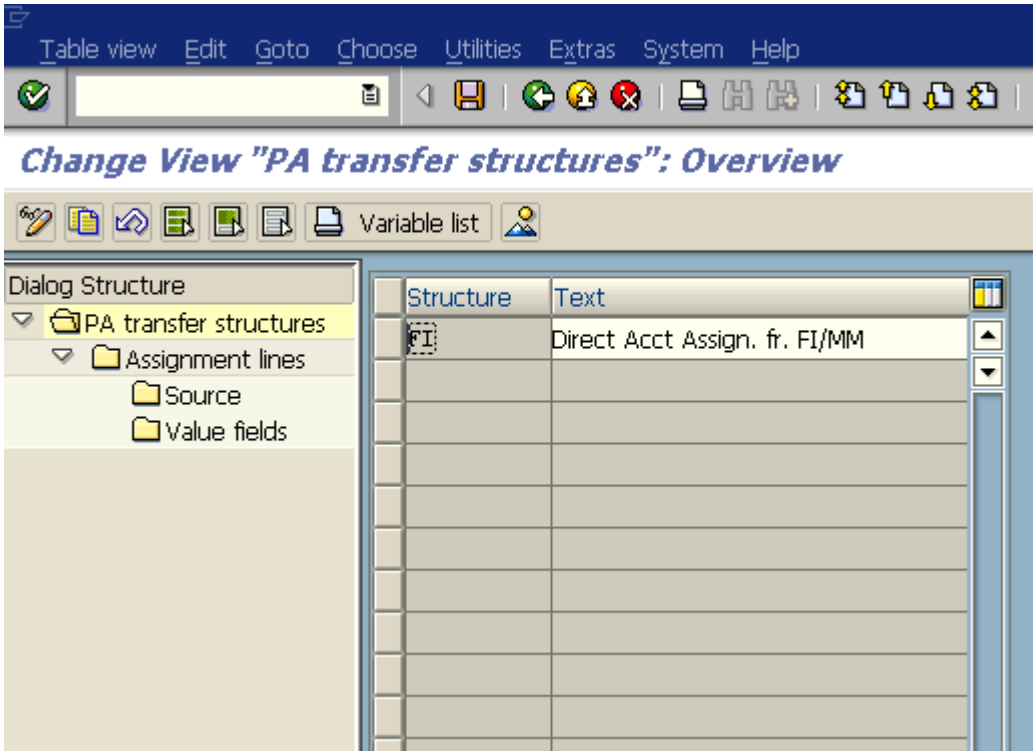


4.7 Maintain PA Transfer Structure for Direct Posting FI/MM (KEI2)

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

=> **Customizing request generated here**

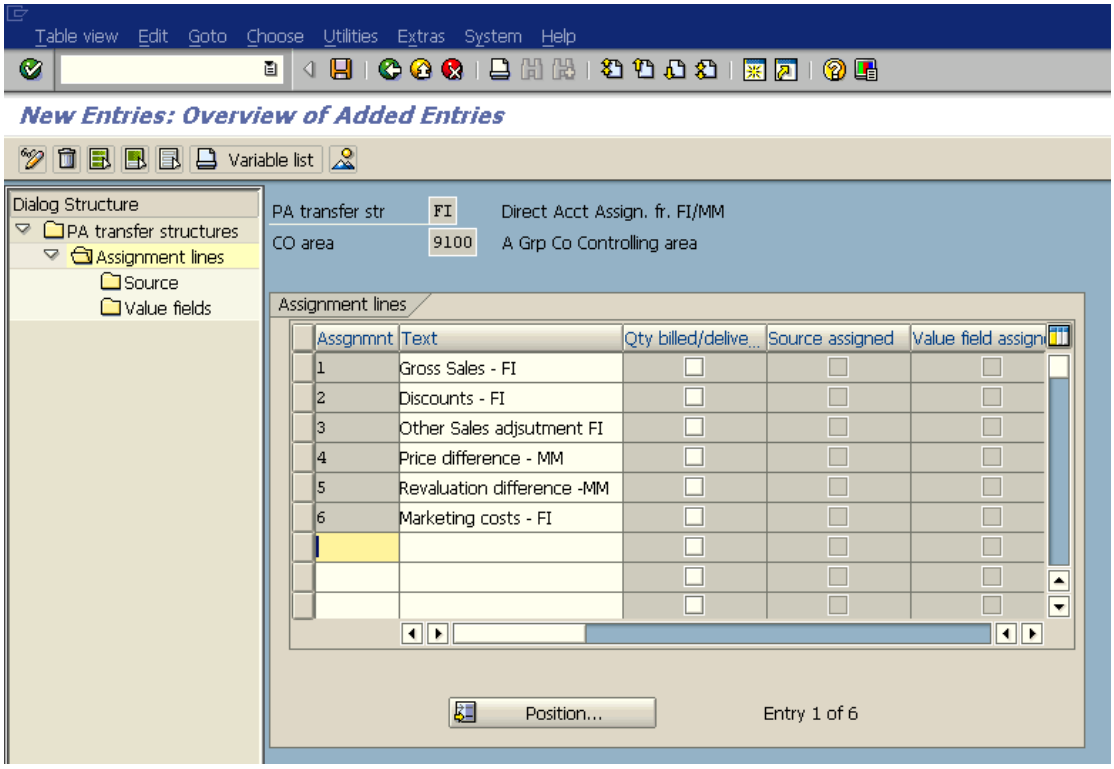
Here you define the PA transfer structure which is used to post costs and revenues directly to profitability segments. You specify how the cost elements are to be defined to the CO-PA value fields.



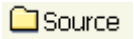
Select

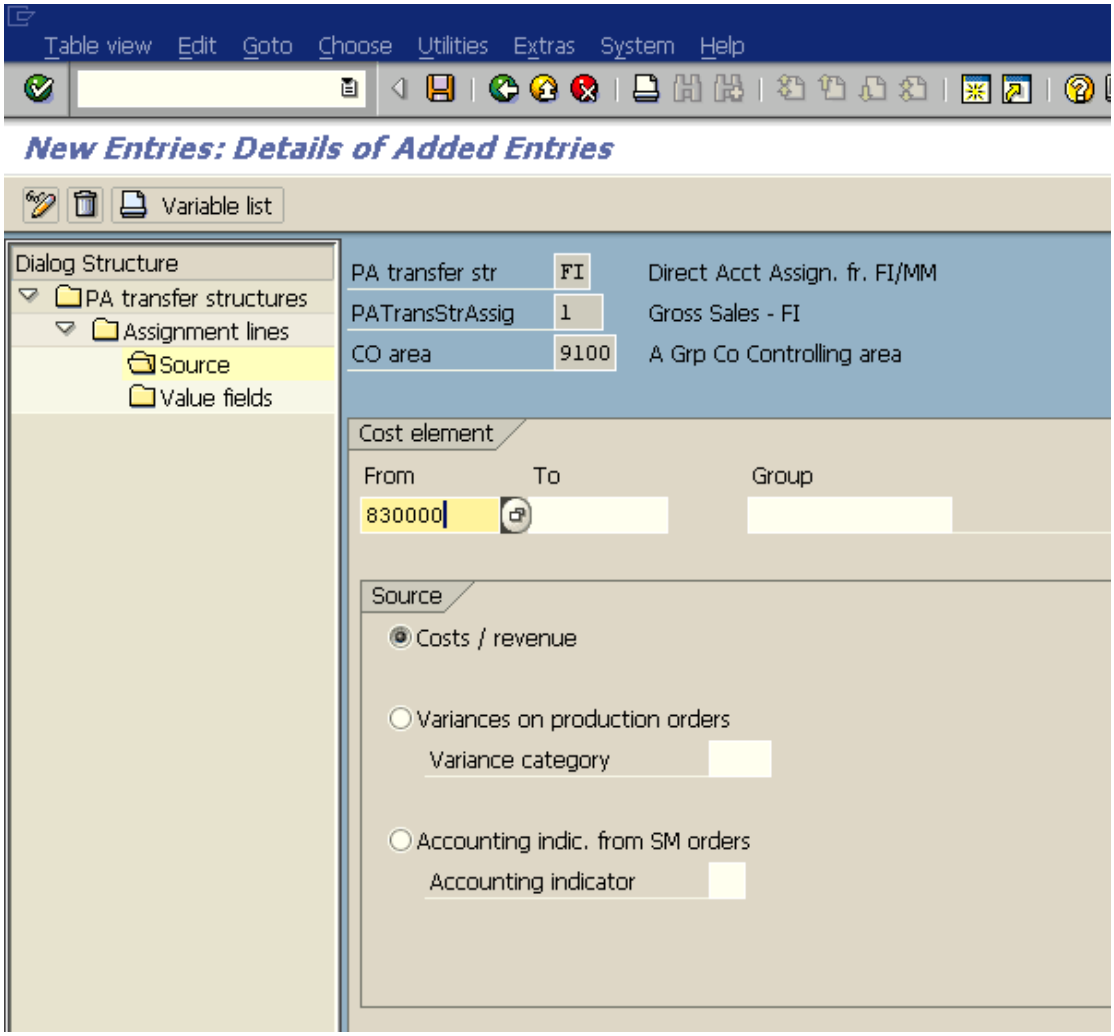
Double click

Click on



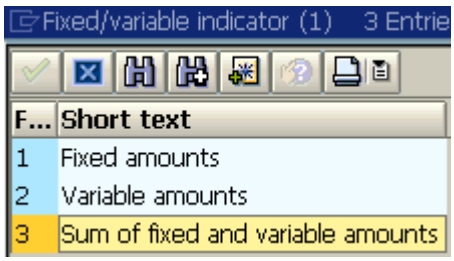
Select

Double click 



Double click

Click on



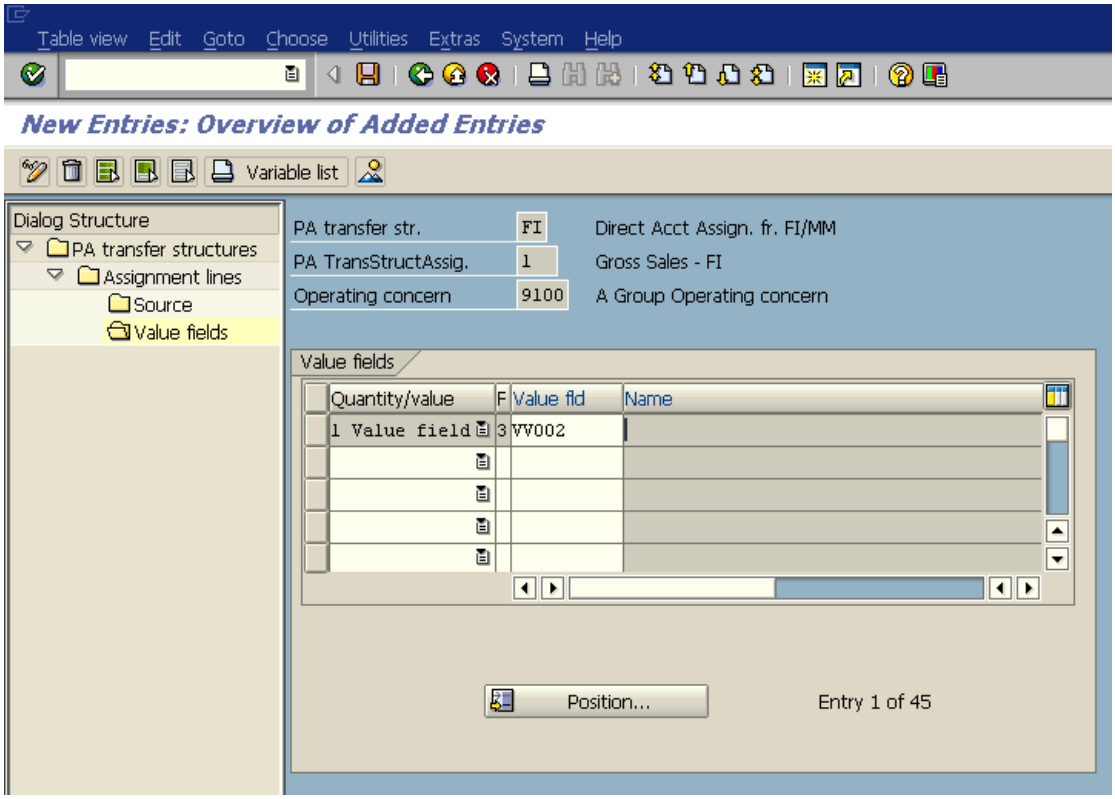


Table view Edit Goto Choose Utilities Extras System Help
New Entries: Overview of Added Entries
Variable list
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str. FI Direct Acct Assign. fr. FI/MM
PA TransStructAssig. 1 Gross Sales - FI
Operating concern 9100 A Group Operating concern
Value fields
Quantity/value F Value fld Name
1 Value field 3 VV002
Position...
Entry 1 of 45

Click on

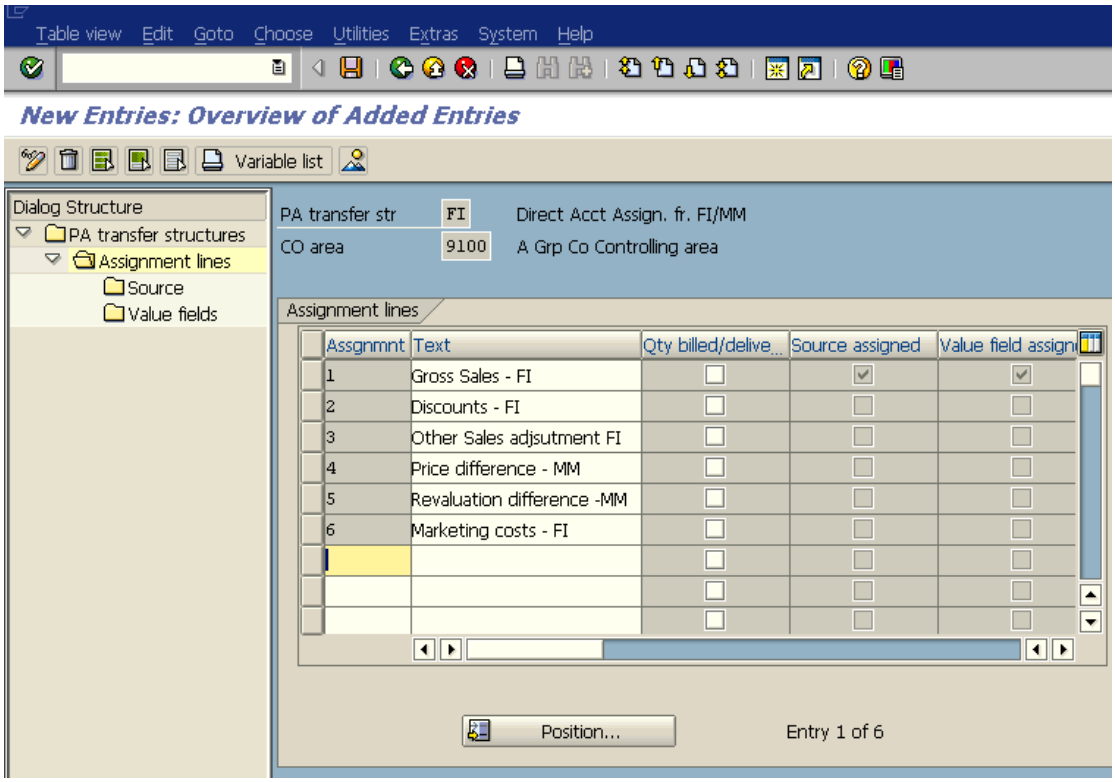
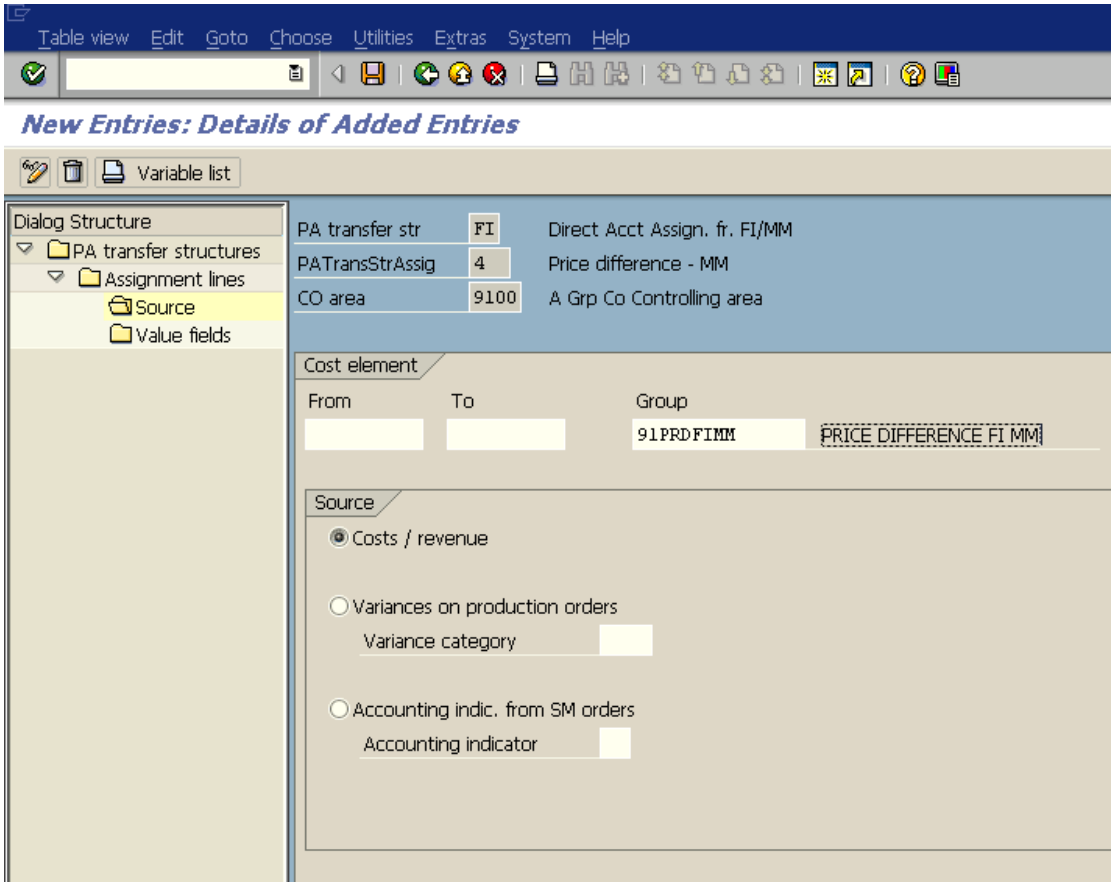


Table view Edit Goto Choose Utilities Extras System Help
New Entries: Overview of Added Entries
Variable list
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str FI Direct Acct Assign. fr. FI/MM
CO area 9100 A Grp Co Controlling area
Assignment lines
Assgnmnt Text Qty billed/delive... Source assigned Value field assign
1 Gross Sales - FI
2 Discounts - FI
3 Other Sales adjsutment FI
4 Price difference - MM
5 Revaluation difference -MM
6 Marketing costs - FI
Position...
Entry 1 of 6

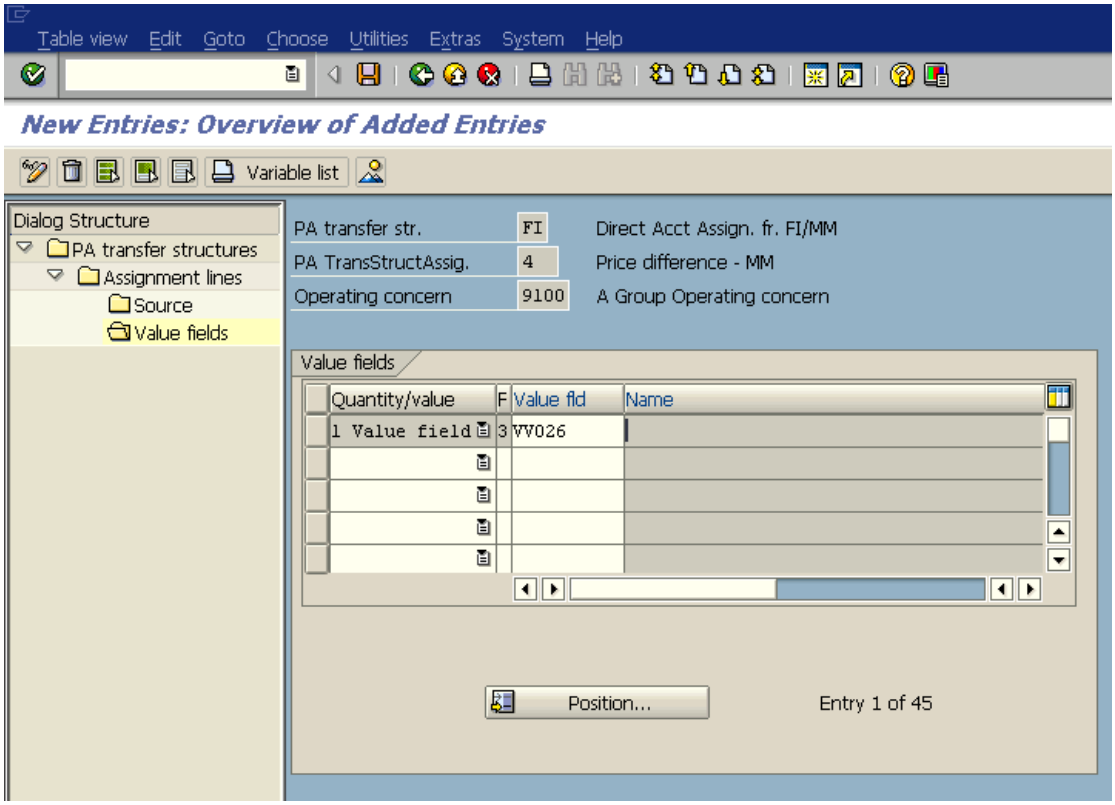
Select

Double click Source



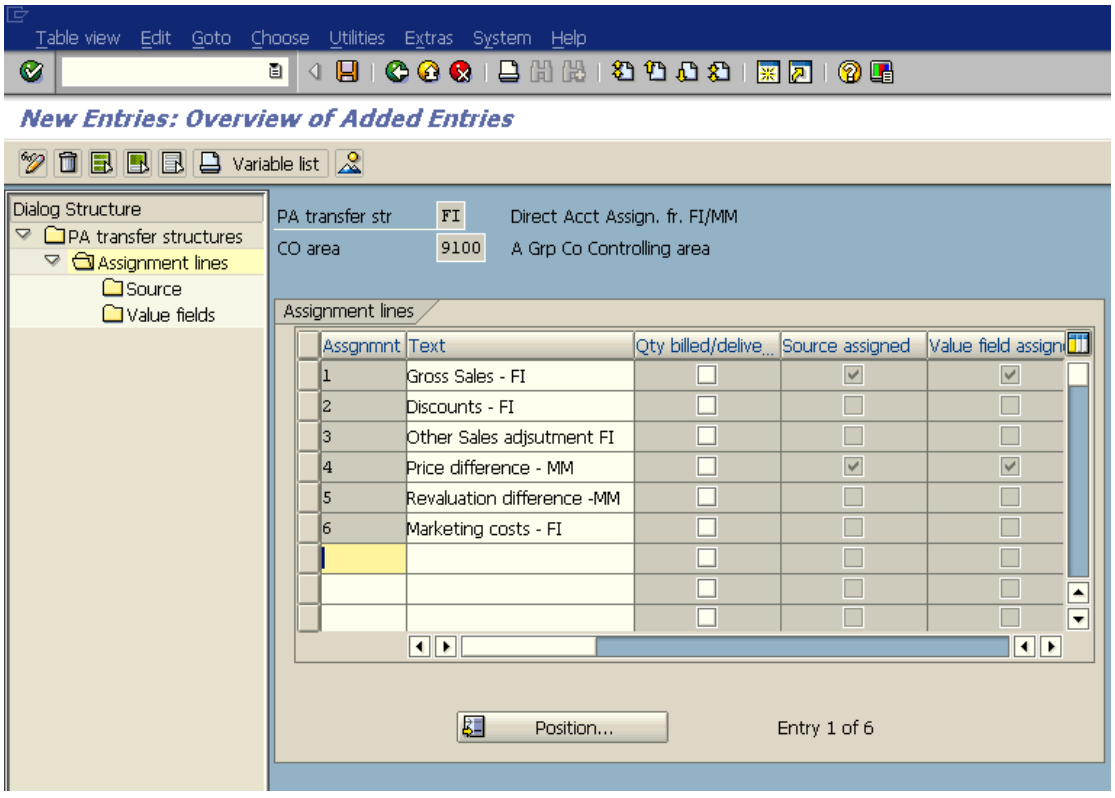
Double click Value fields

Click on New entries



Click on

Similarly you can assign other source and value fields



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.

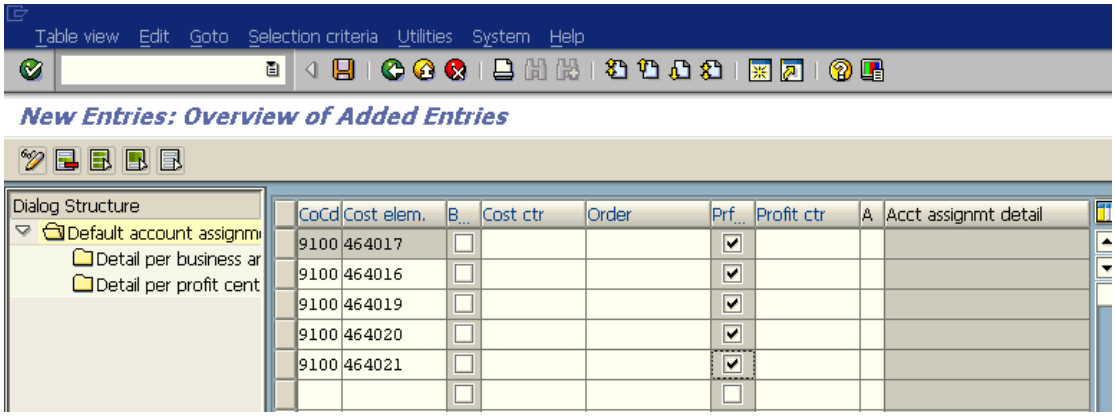
In Profitability Analysis, the documents are updated to the profitability segments generated according to the characteristic values found in the corresponding Financial Accounting (FI) document.

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

Update the following:-



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**

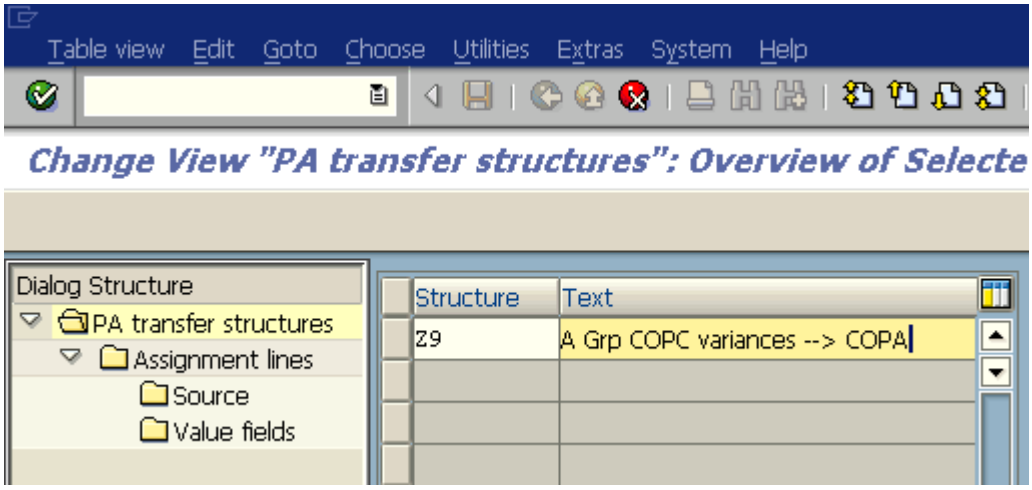
Here you define a transfer structure for transferring production variances during the settlement of production orders.

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.

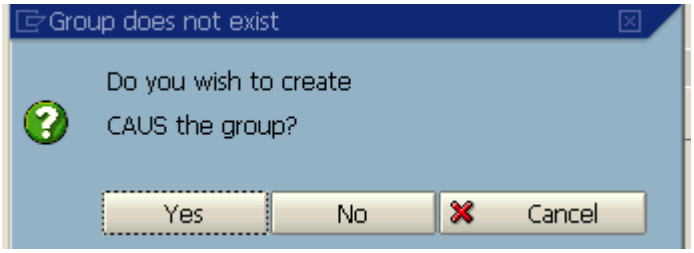
Select

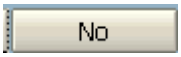
and click

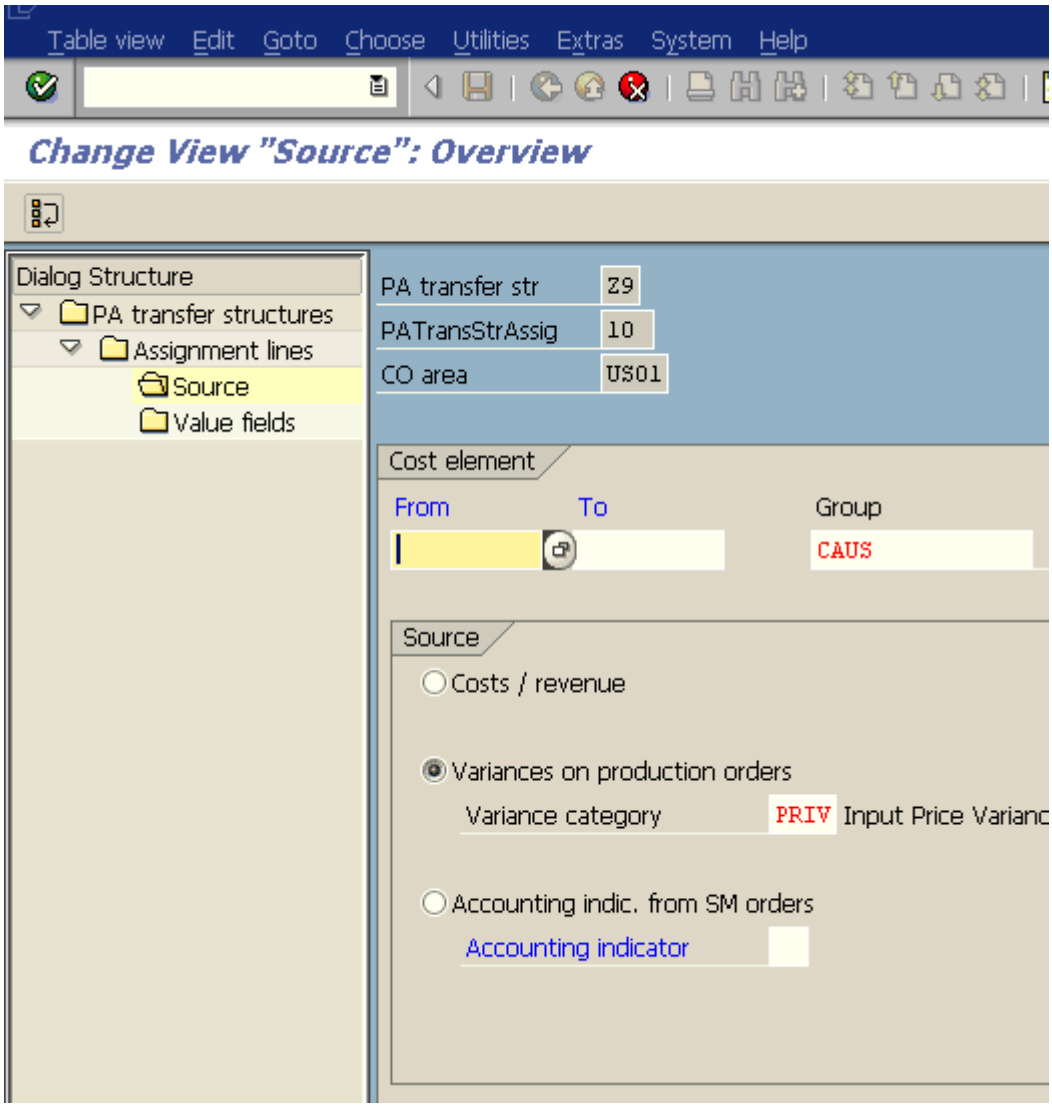
Change the description as follows:-



Click



Click 



Remove CAUS

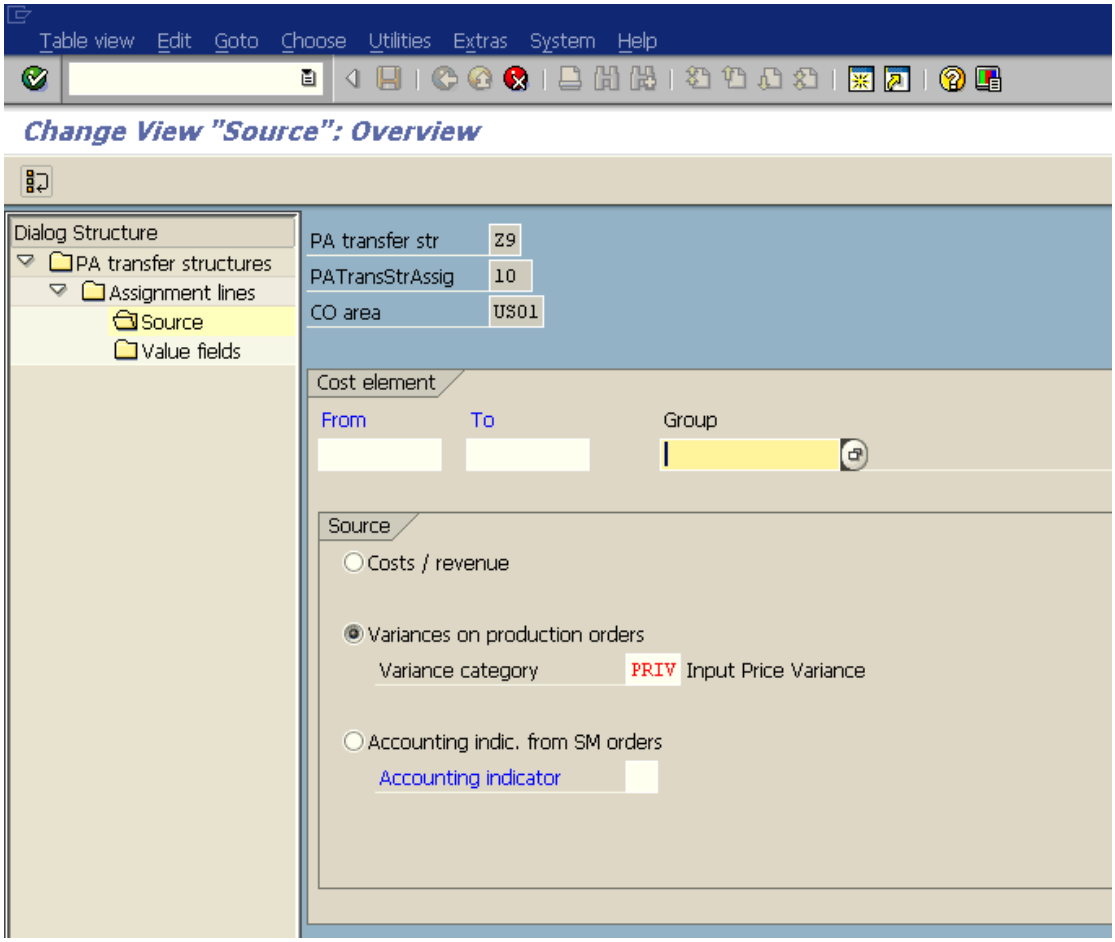
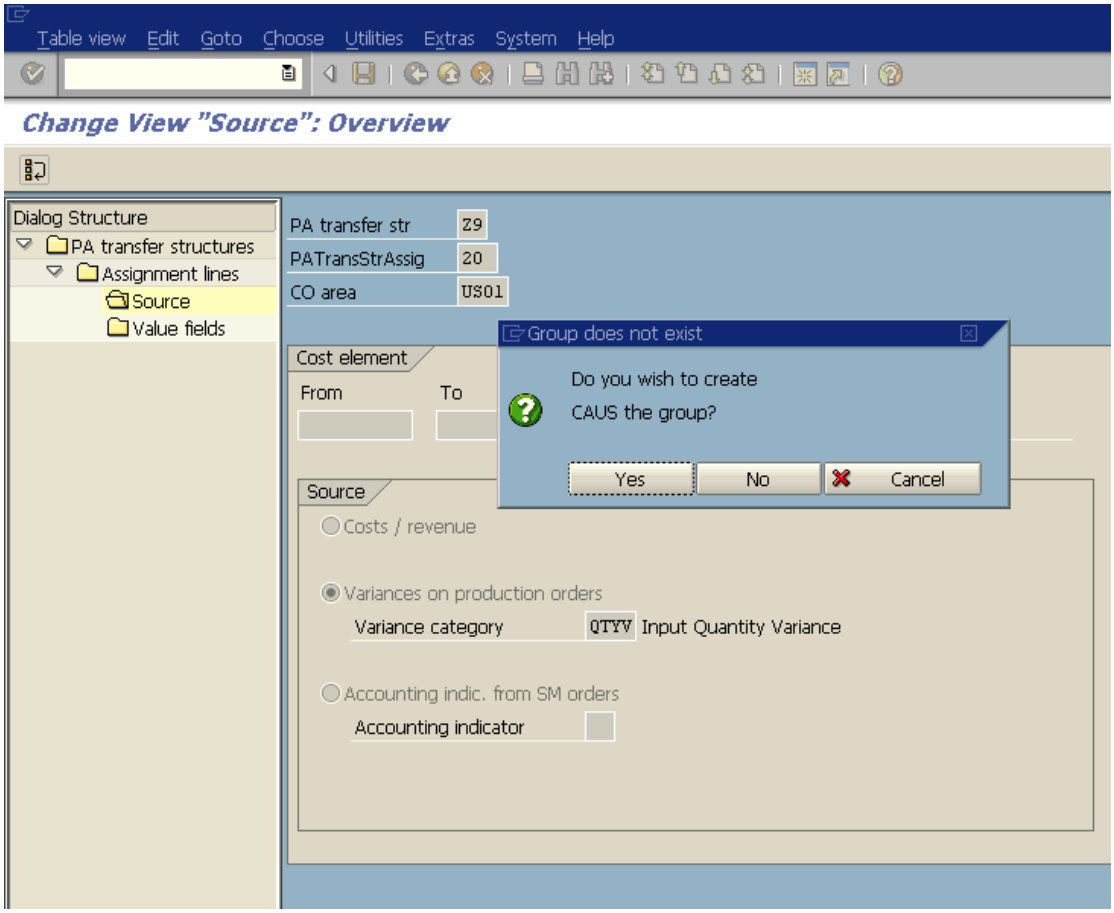


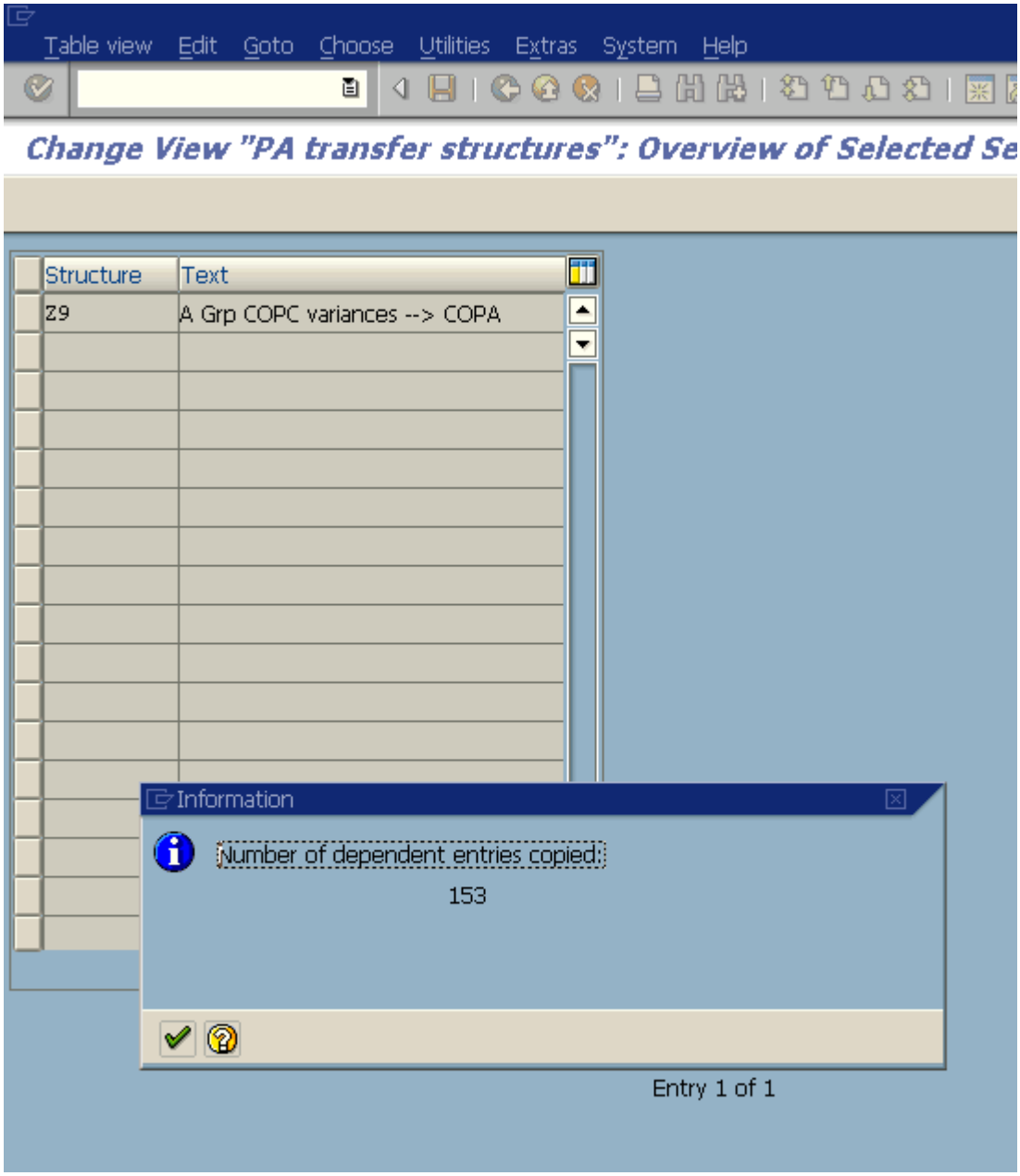
Table view Edit Goto Choose Utilities Extras System Help
Change View "Source": Overview
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str Z9
PATransStrAssig 10
CO area US01
Cost element
From
To
Group
Source
Costs / revenue
Variances on production orders
Variance 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

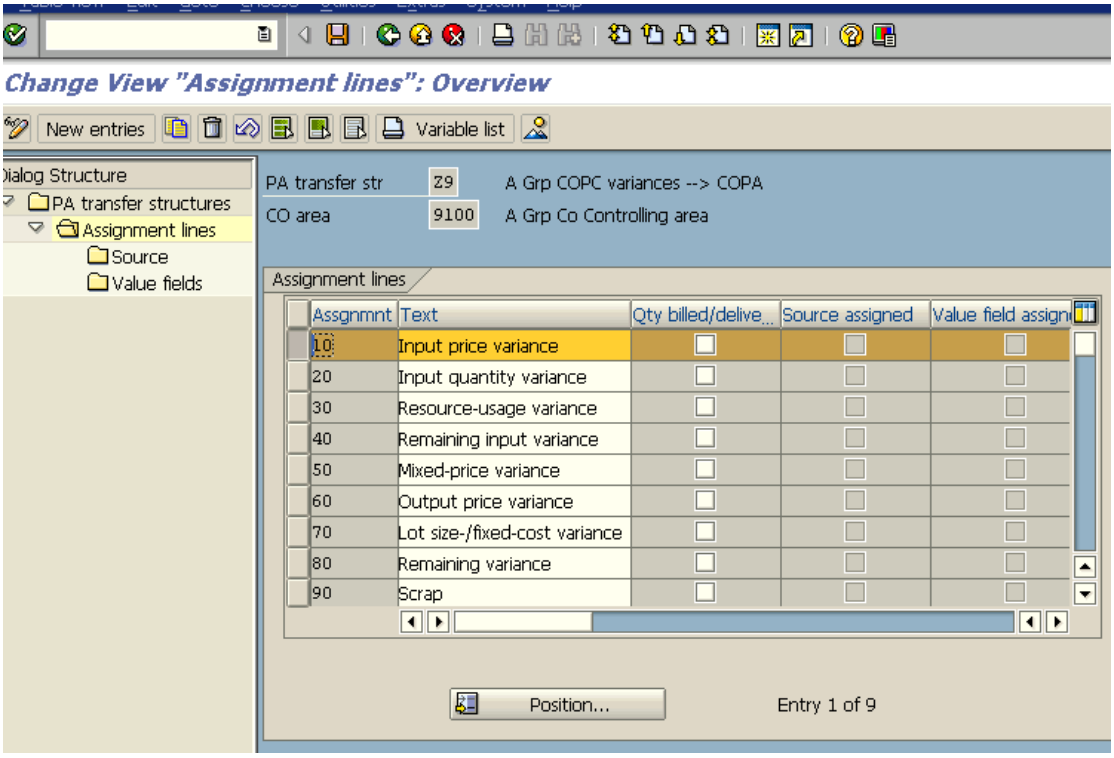


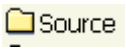
Click on

Now select

Double click

Select Input price variance



Double click 

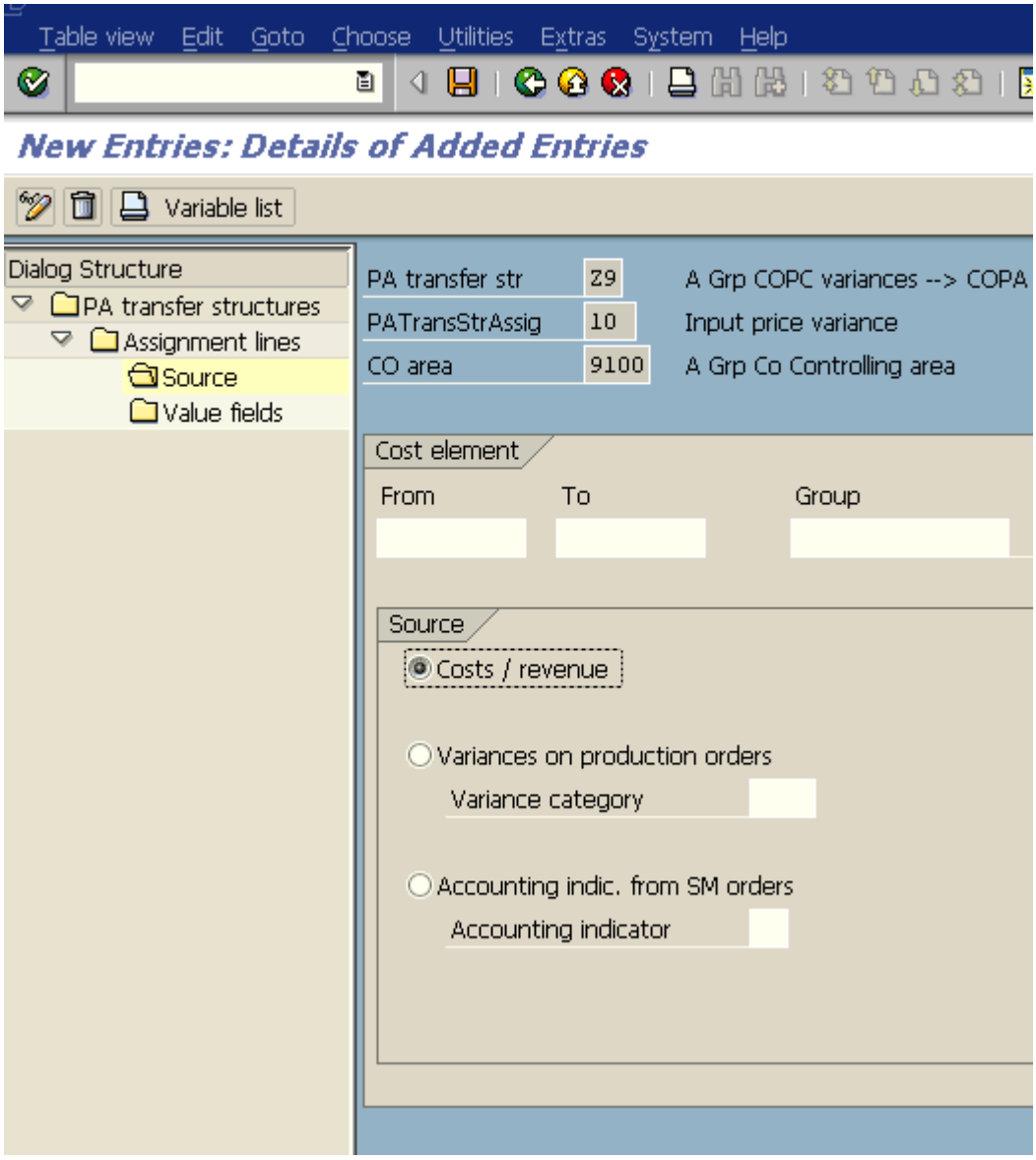
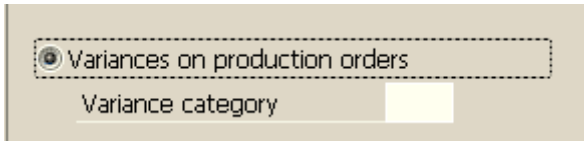
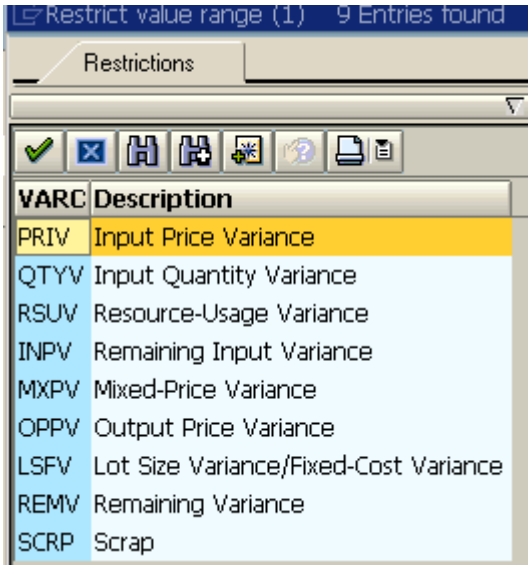
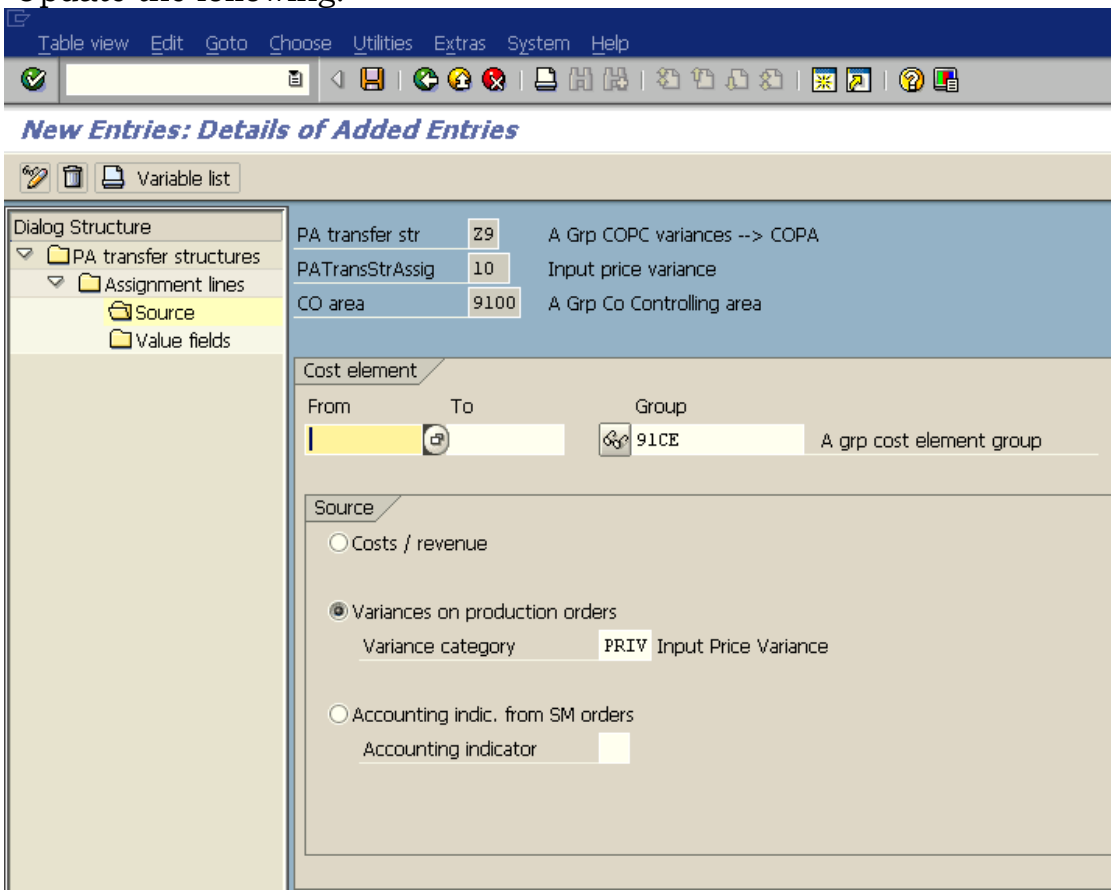


Table view
Edit
Goto
Choose
Utilities
Extras
System
Help
New Entries: Details of Added Entries
Variable list
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str
Z9
A Grp COPC variances --> COPA
PATransStrAssig
10
Input price variance
CO area
9100
A Grp Co Controlling area
Cost element
From
To
Group
Source
Costs / revenue
Variances on production orders
Variance category
Accounting indic. from SM orders
Accounting indicator

Click on 
Variances on production orders
Variance category

Select 

Update the following:-



Double click

Click on

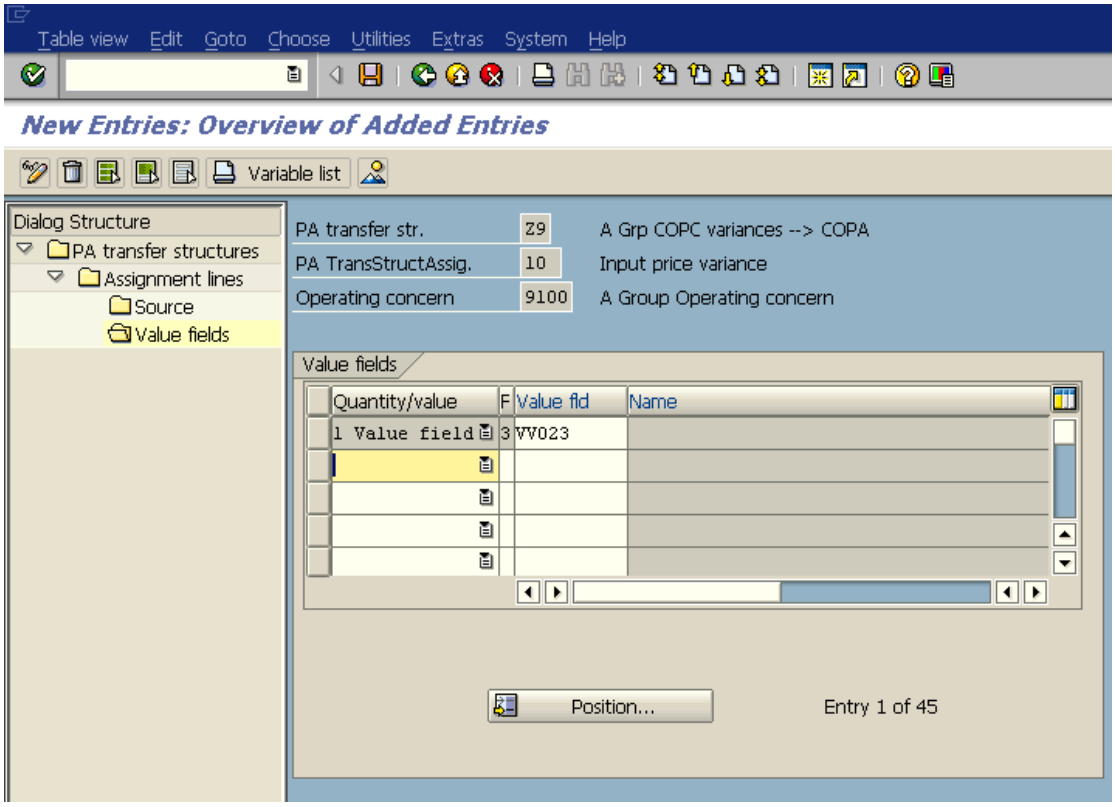


Table view Edit Goto Choose Utilities Extras System Help
New Entries: Overview of Added Entries
Variable list
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str. Z9 A Grp COPC variances --> COPA
PA TransStructAssig. 10 Input price variance
Operating concern 9100 A Group Operating concern
Value fields
Quantity/value F Value fld Name
1 Value field 3 VV023
Position...
Entry 1 of 45

Click on

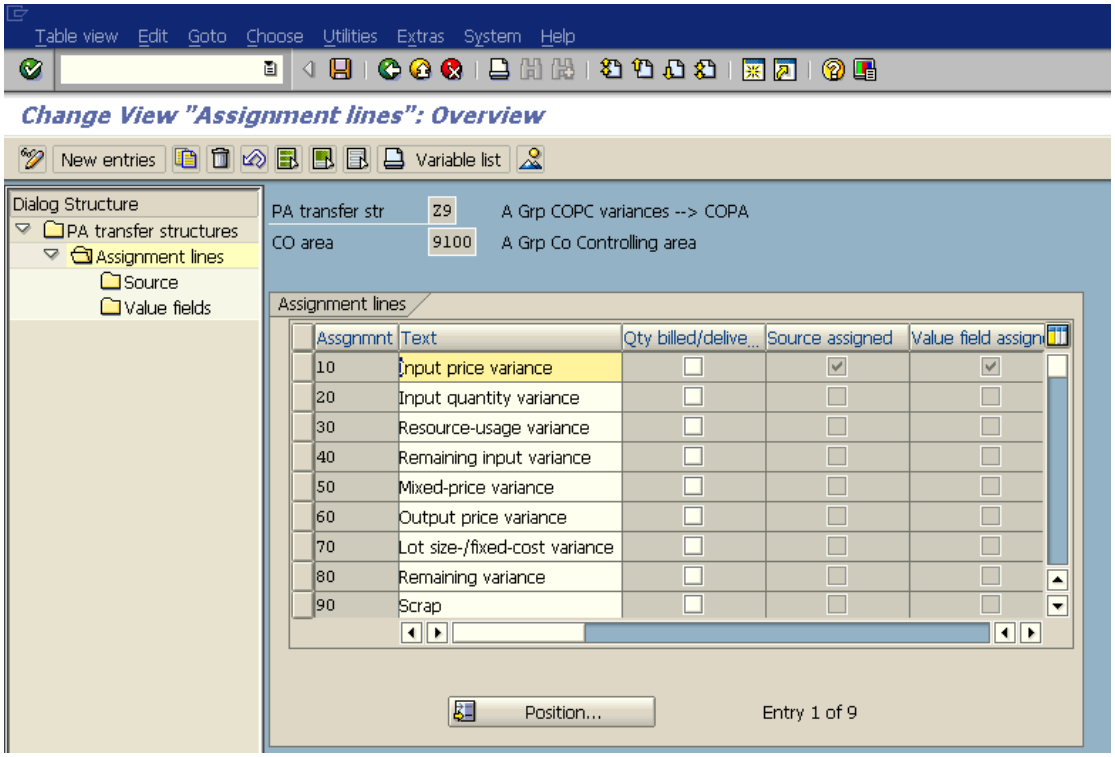
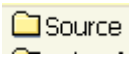
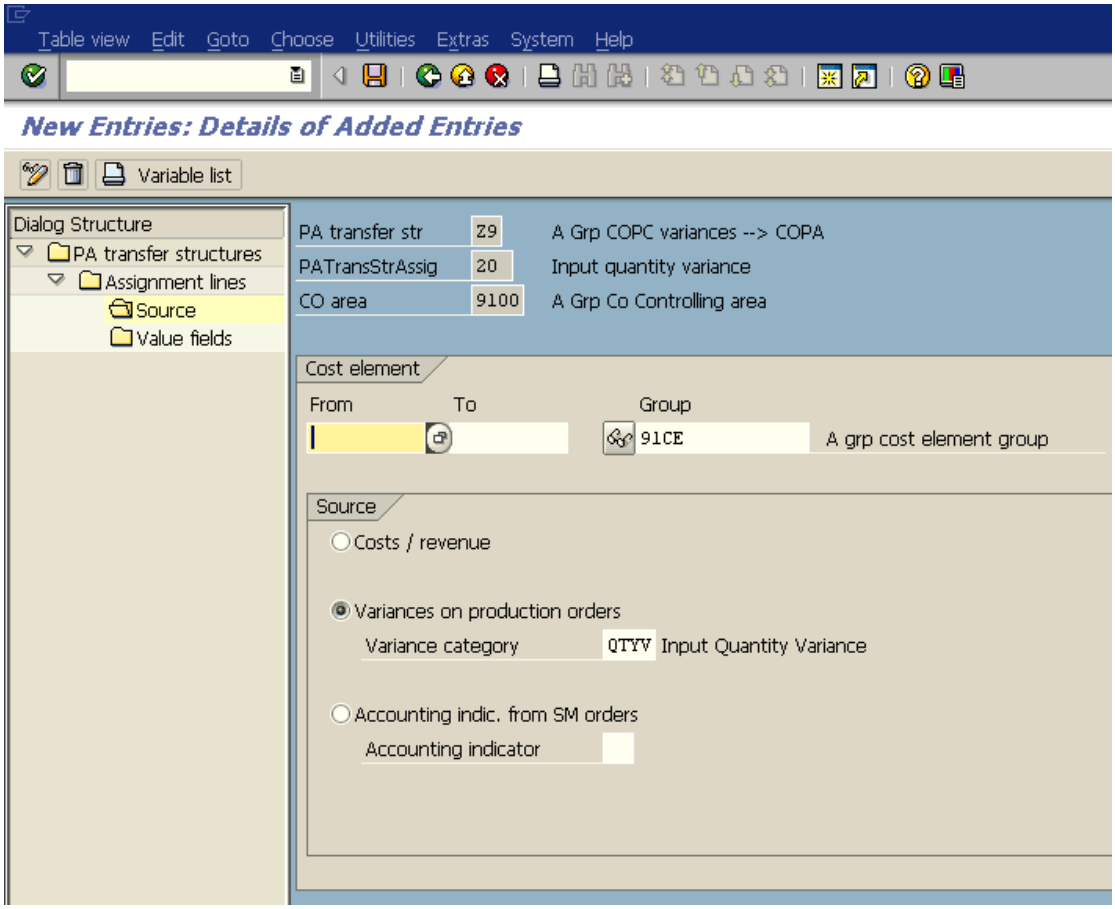
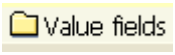


Table view Edit Goto Choose Utilities Extras System Help
Change View "Assignment lines": Overview
New entries
Variable list
Dialog Structure
PA transfer structures
Assignment lines
Source
Value fields
PA transfer str Z9 A Grp COPC variances --> COPA
CO area 9100 A Grp Co Controlling area
Assignment lines
Assgnmnt Text Qty billed/delive... Source assigned Value field assign
10 Input price variance
20 Input quantity variance
30 Resource-usage variance
40 Remaining input variance
50 Mixed-price variance
60 Output price variance
70 Lot size-/fixed-cost variance
80 Remaining variance
90 Scrap
Position...
Entry 1 of 9

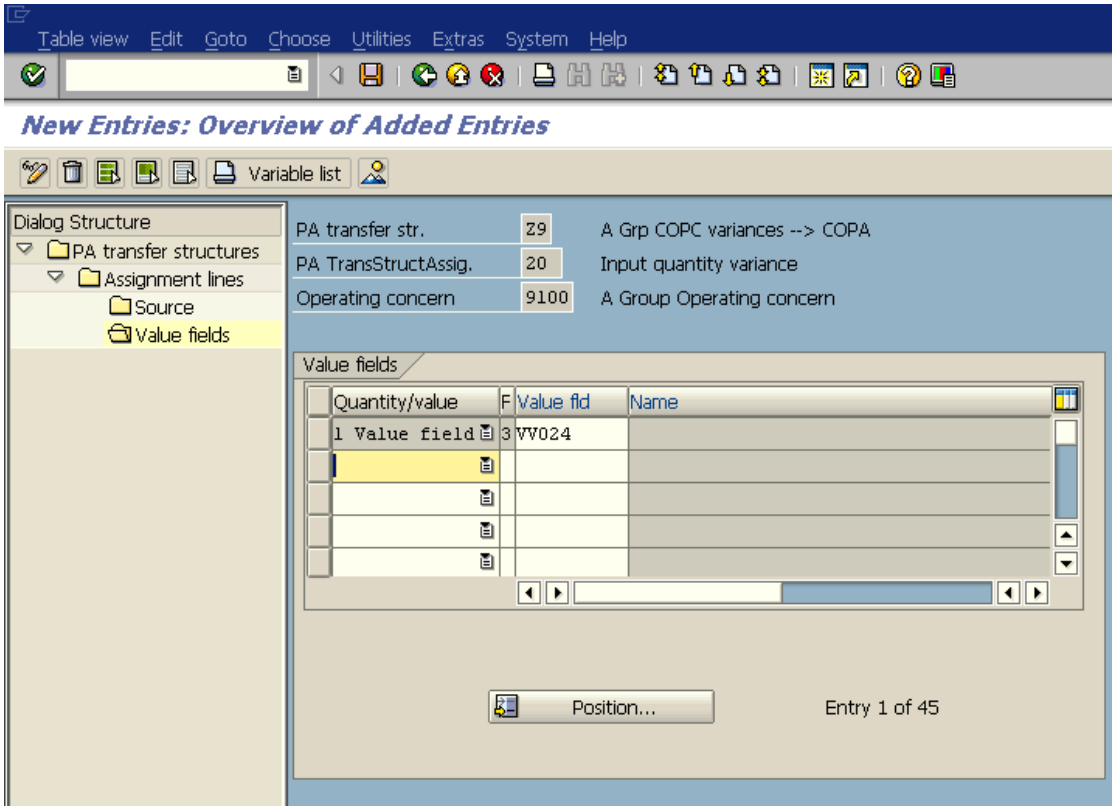
Select

Double click 

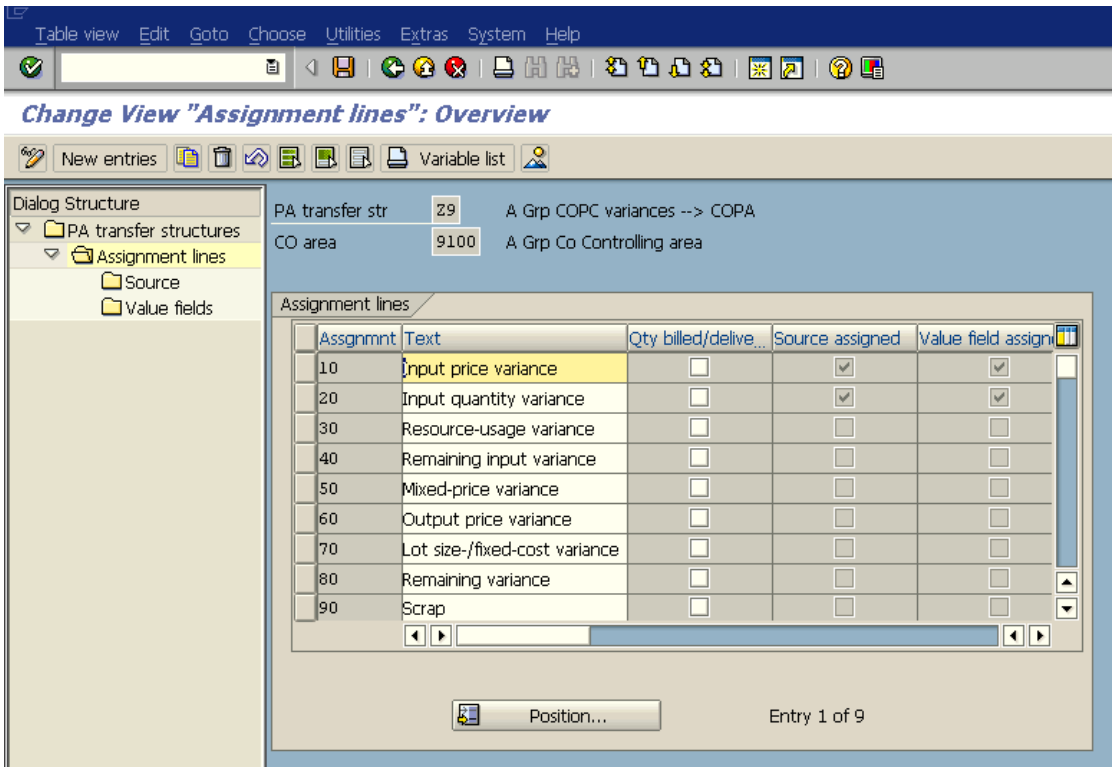


Double click 

Click on



Click on



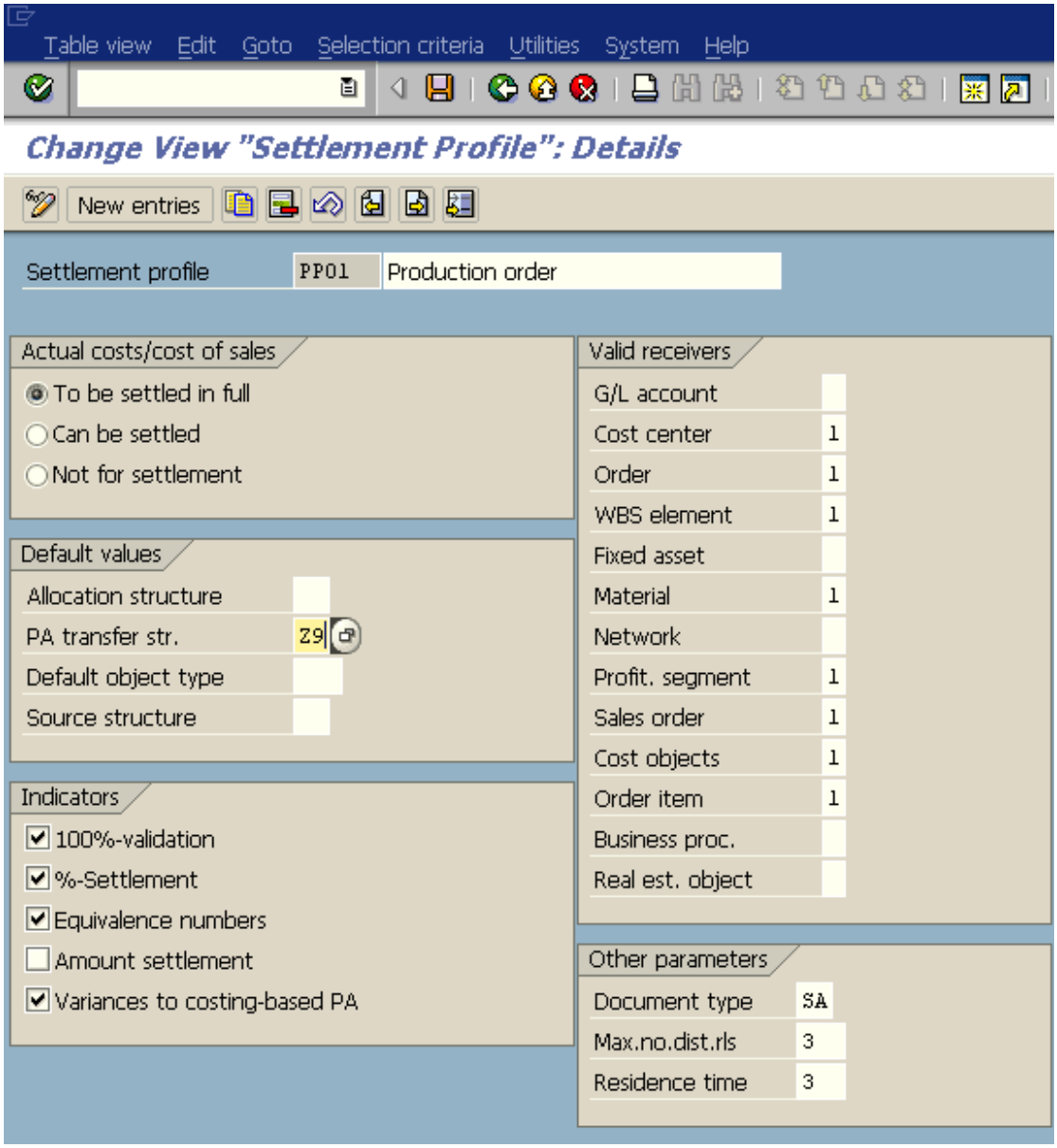
Similarly you can assign variance categories and cost element to various value fields for the remaining assignment lines.

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



Click on

4.11 Maintain Characteristic Groups

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

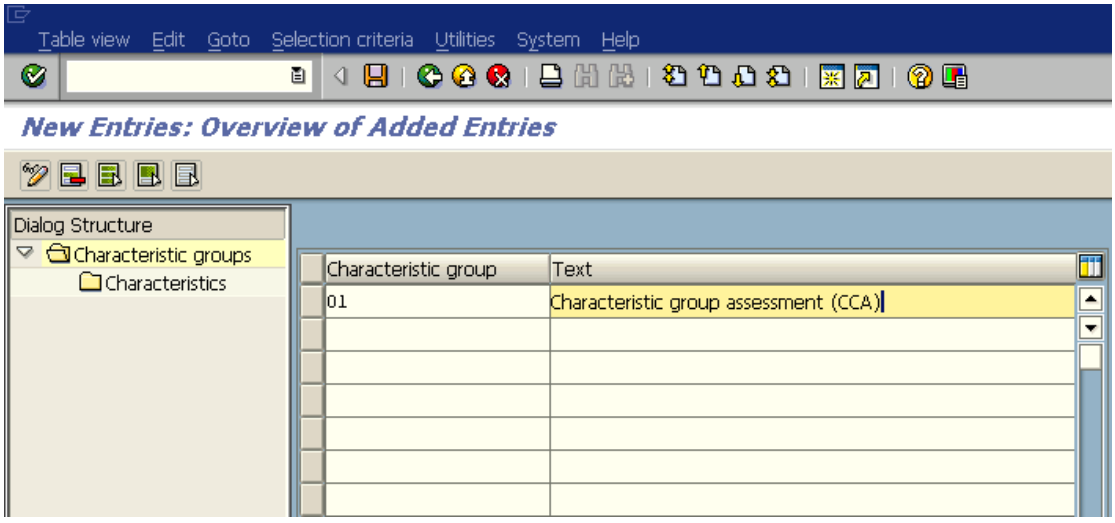
=> **Customizing request generated here**

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

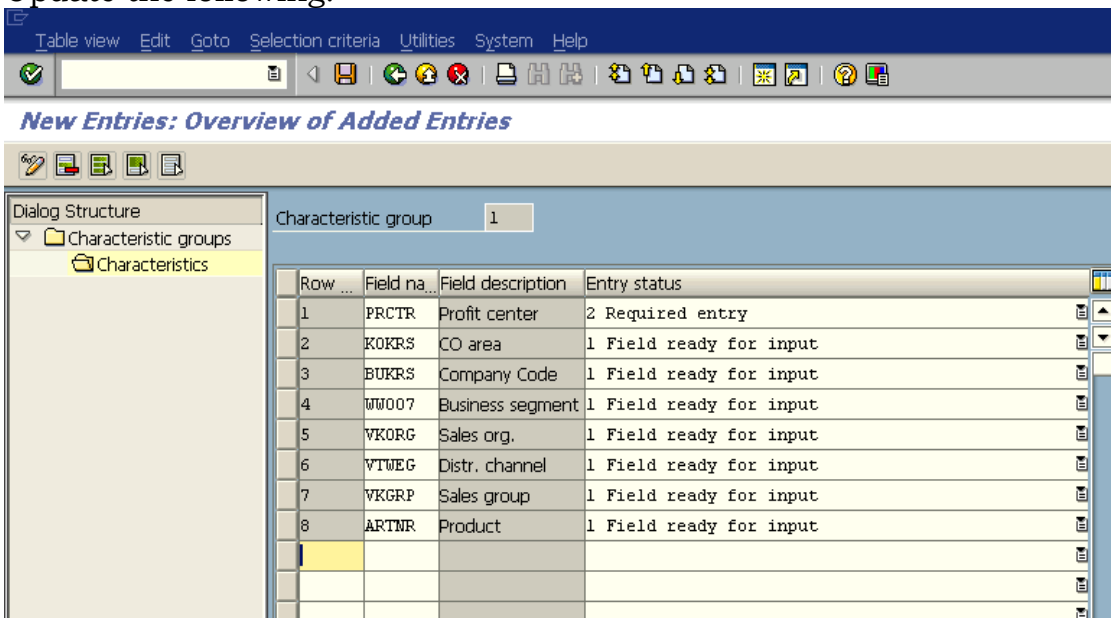


Select

Double click

Click on

Update the following:-



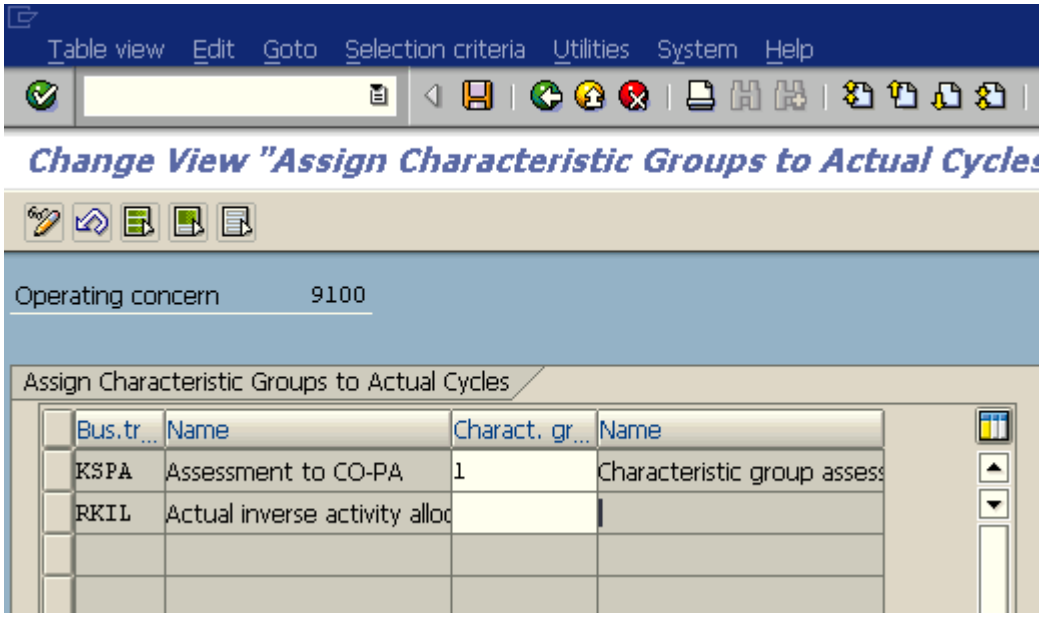
Click on

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

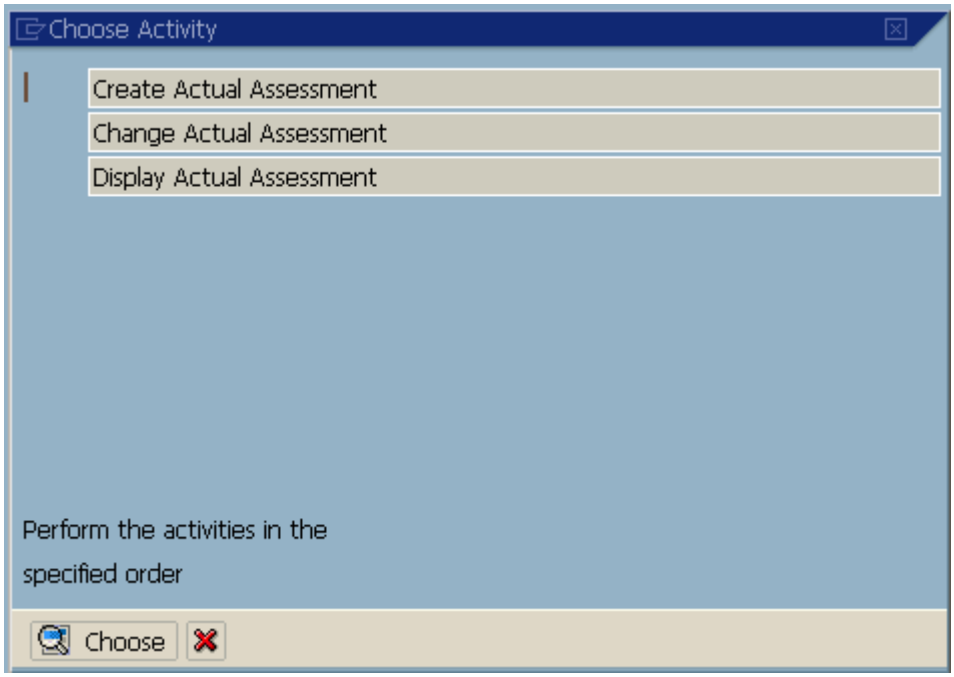


Click on

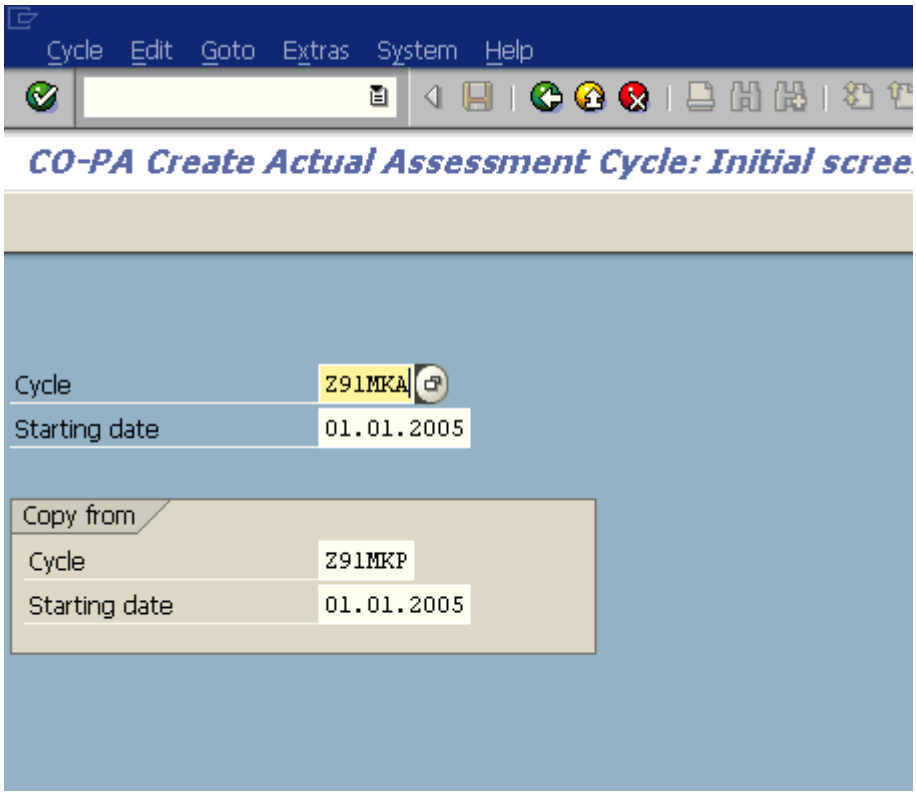
4.13 Assess Cost Center Costs / Process Costs

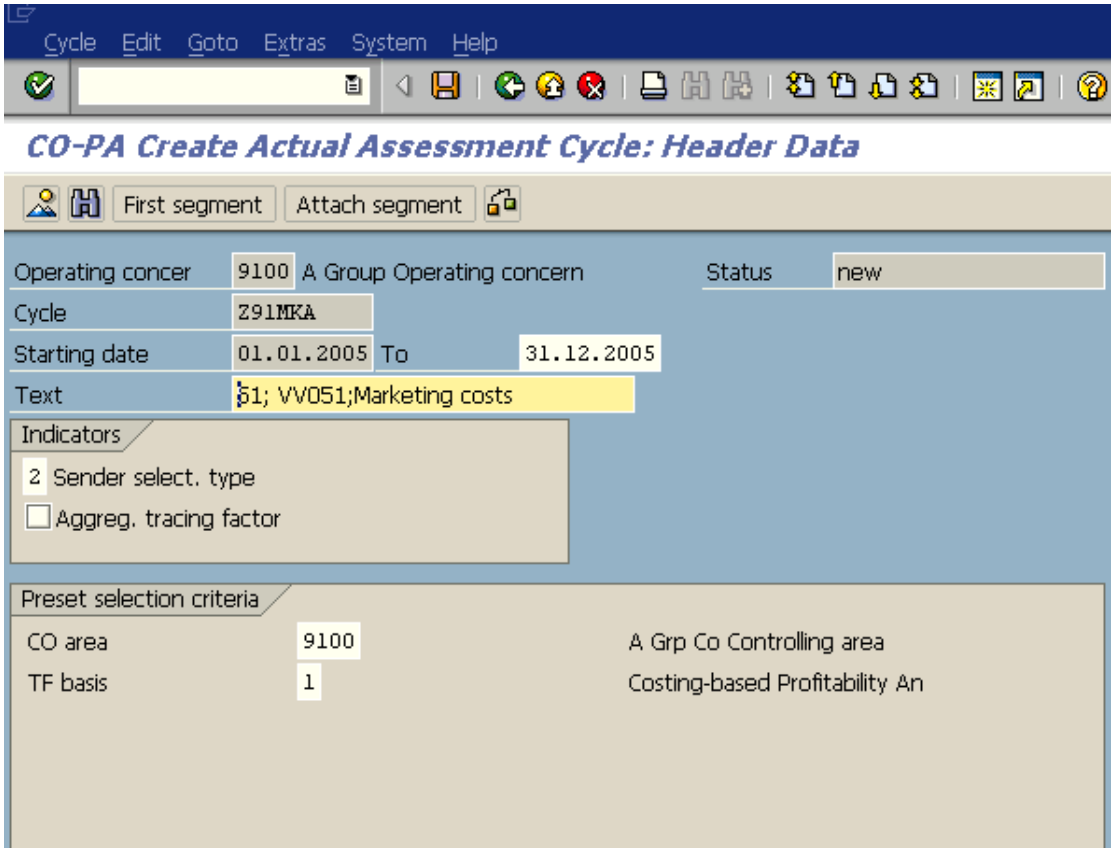
IMG → Controlling → Profitability Analysis → Flows of Actual Values → Transfer of Overhead → Assess Cost Center Costs / Process Costs → Define Structure of Cost Center Assessment/Process Cost Assessment

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.



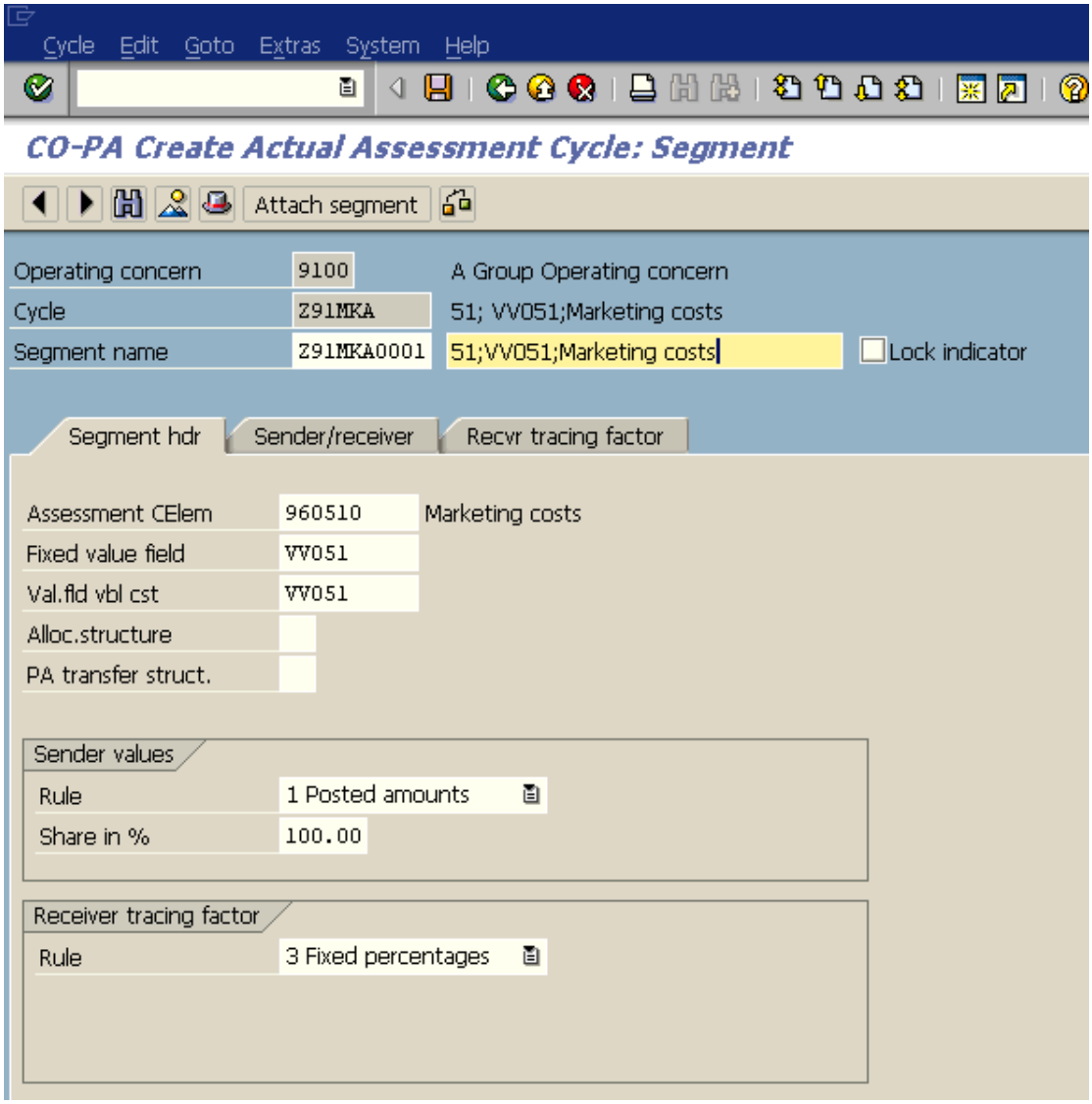
Double click Create Actual Assessment



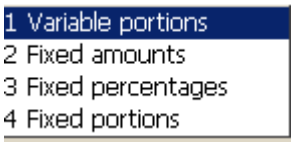


Click First segment

Change segment name from Z91MKP0001 to Z91MKA0001

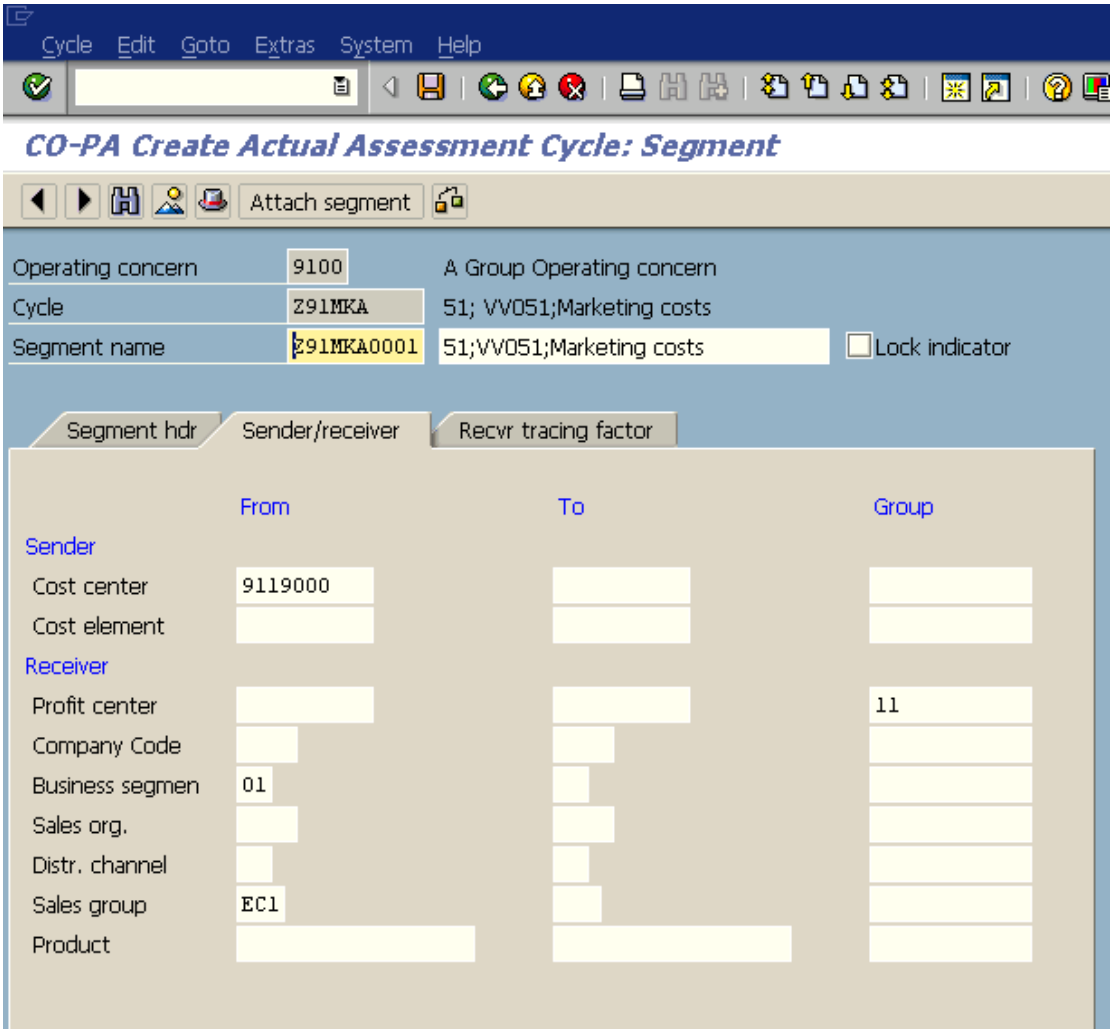


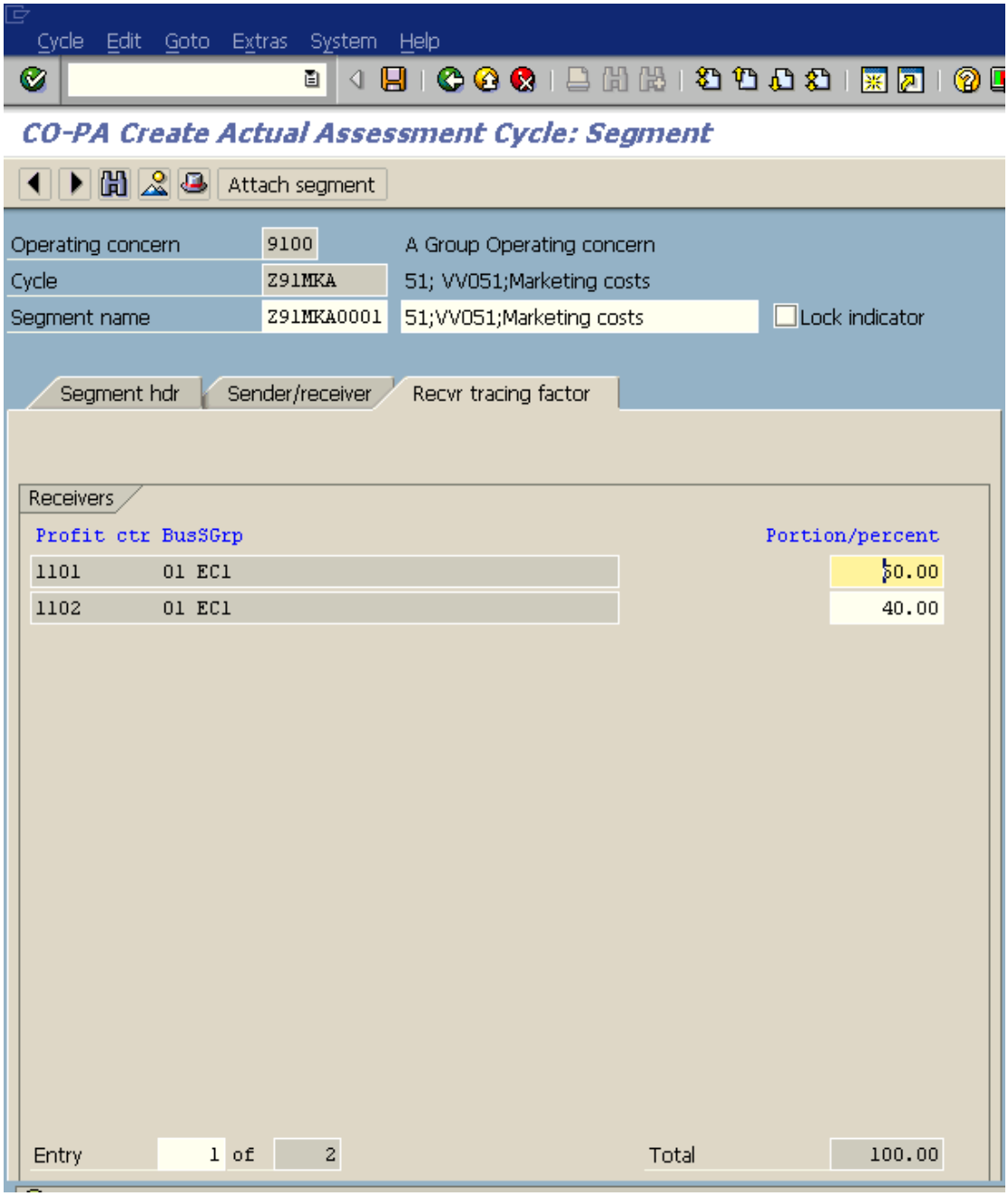
Here in receiving tracing factors you can have various options



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





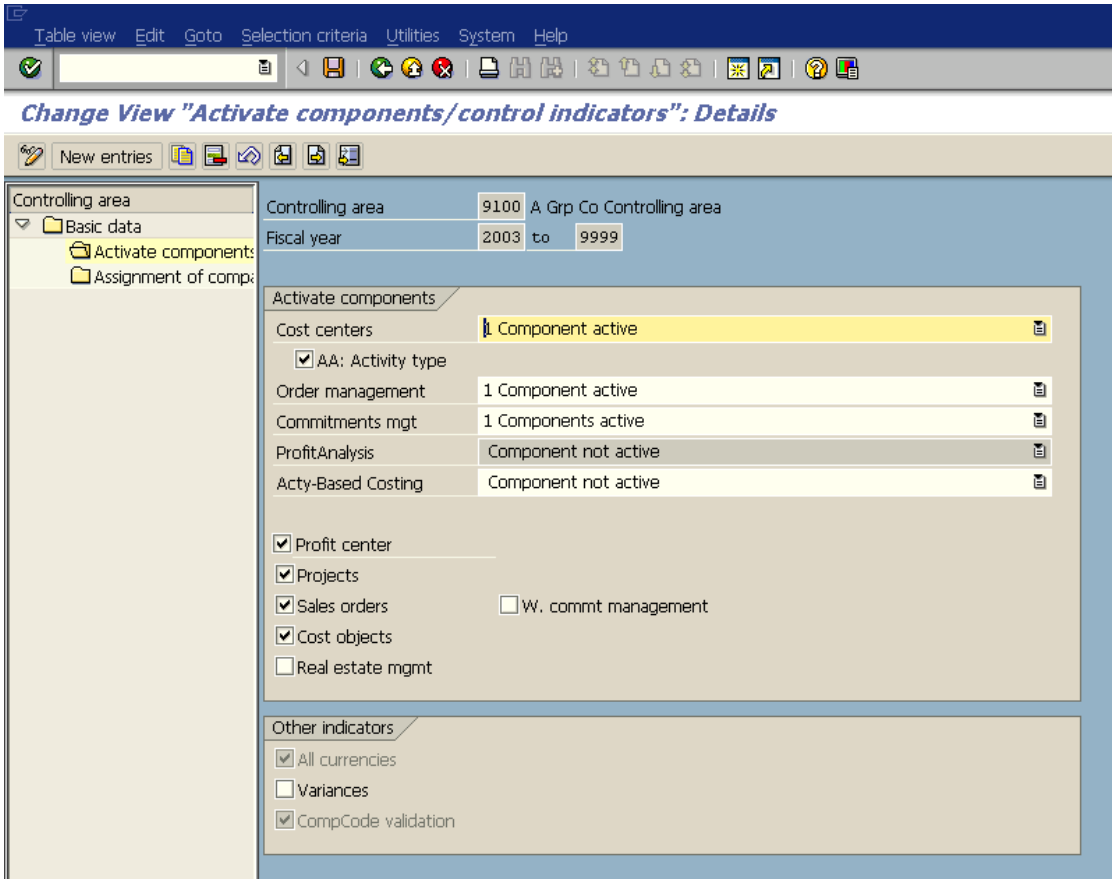
Click on

4.14 Activate Profitability Analysis

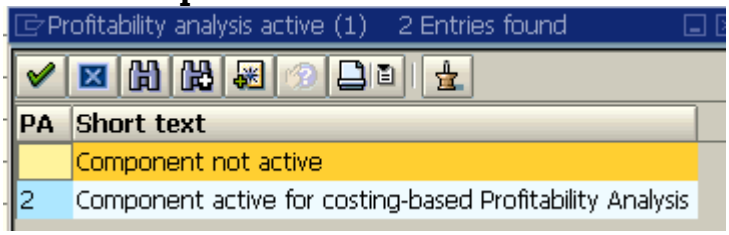
IMG → Controlling → Profitability Analysis → Flows of Actual Values → Activate Profitability Analysis

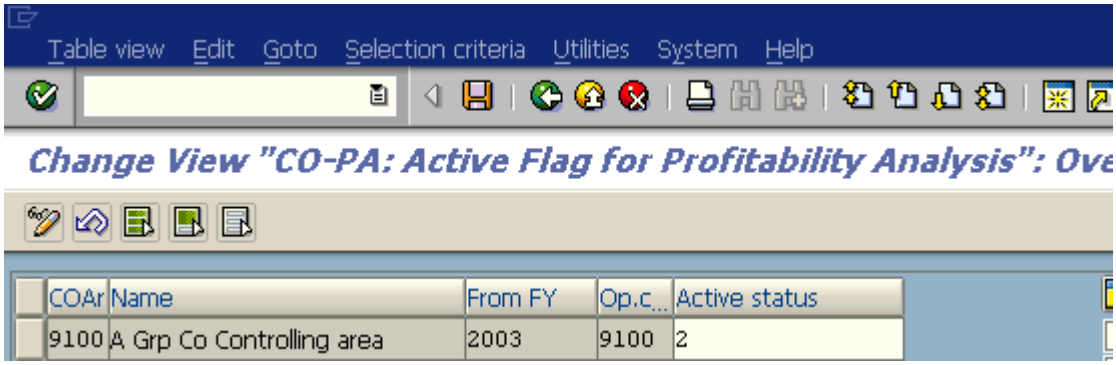
=> **Customizing request generated here**

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

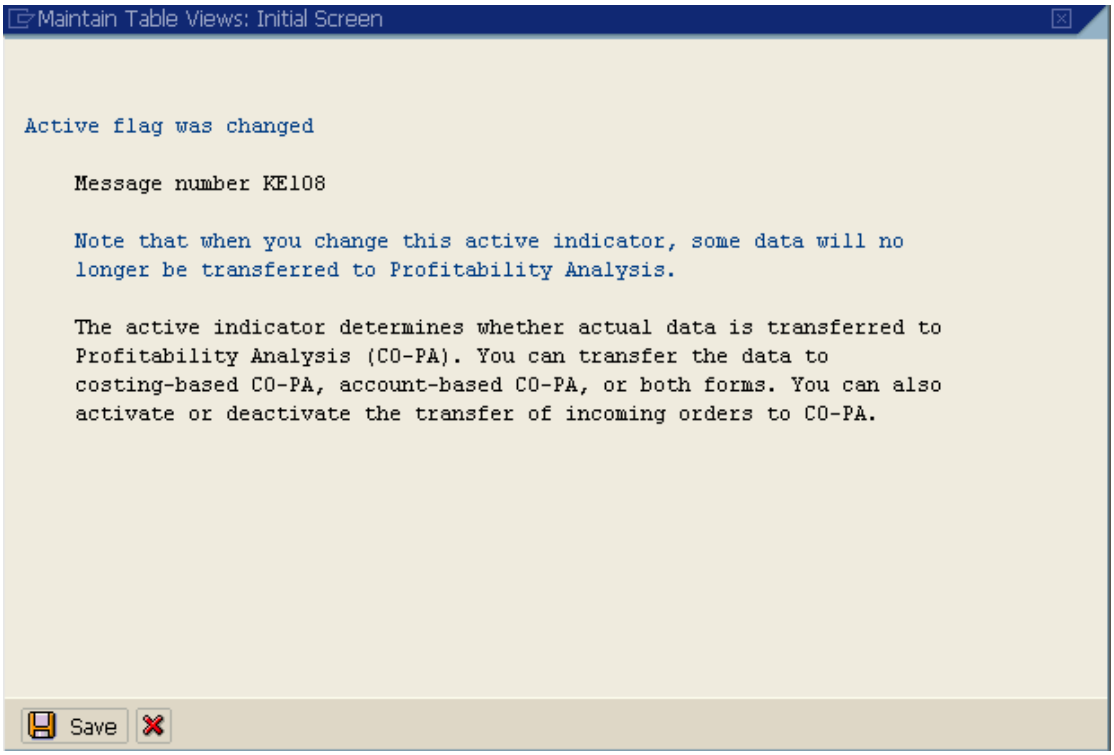


Take a drop in the field active status and select 2



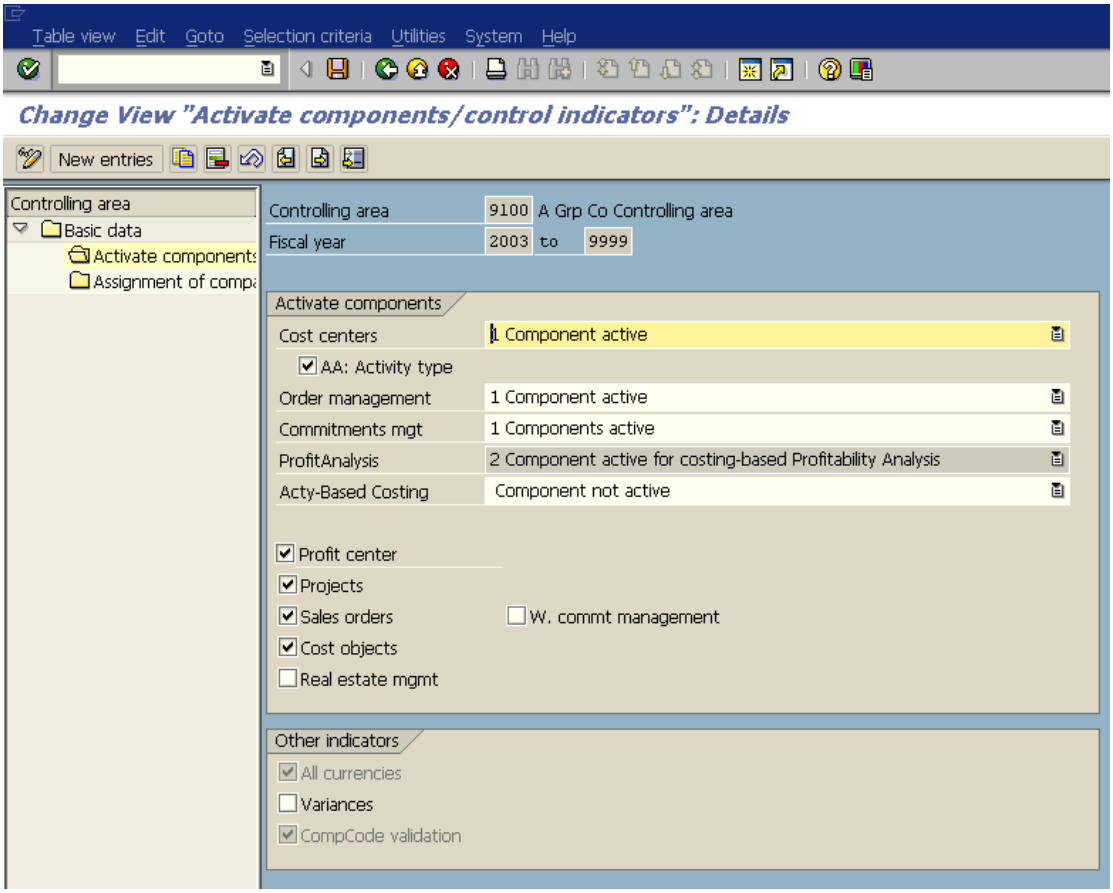


Click on



Click on

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



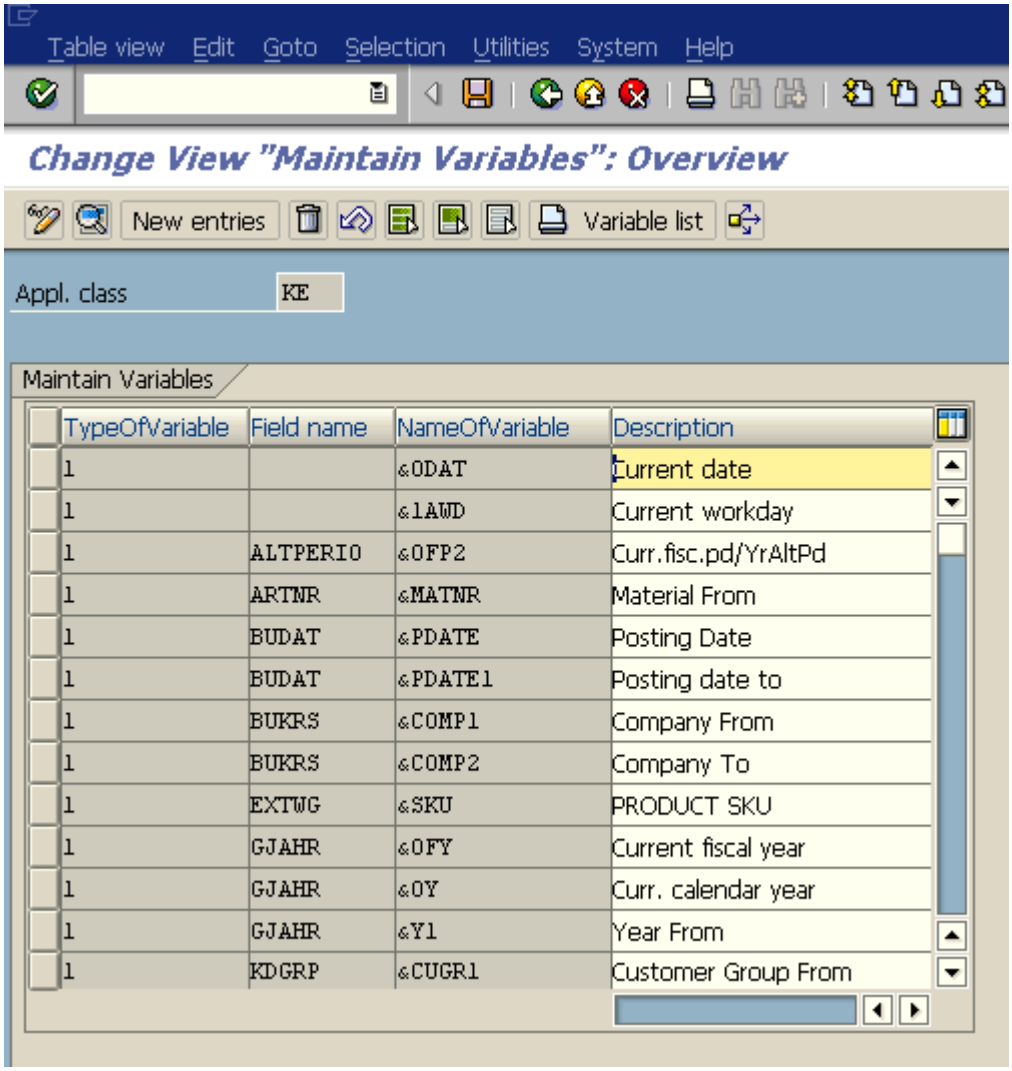
5. Information system

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.

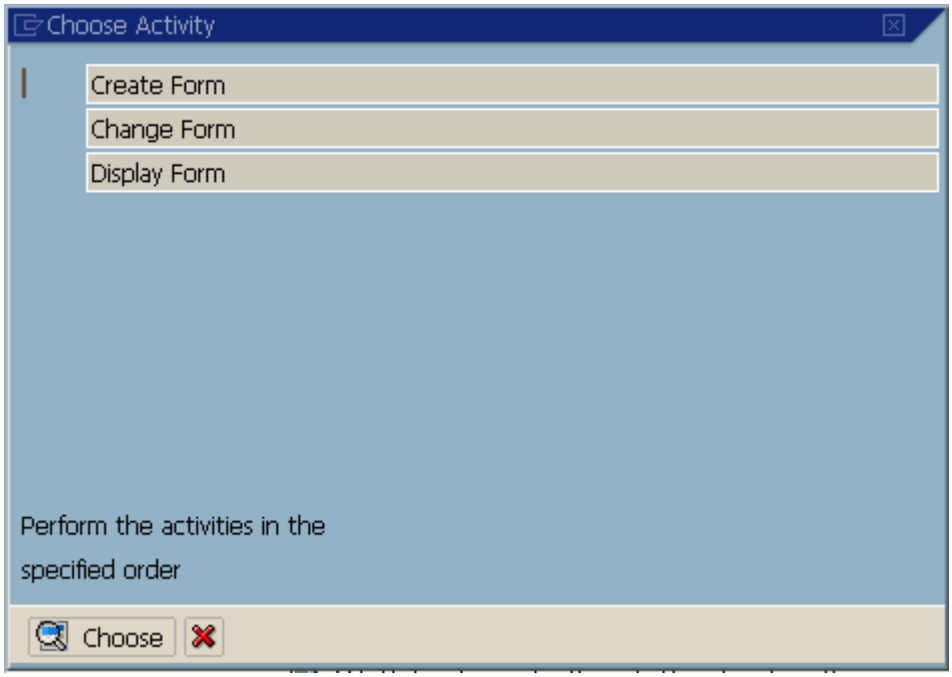


TypeOfVariable	Field name	NameOfVariable	Description
1		&0DAT	Current date
1		&1AWD	Current workday
1	ALTPERIO	&0FP2	Curr.fisc.pd/YrAltPd
1	ARTNR	&MATNR	Material From
1	BUDAT	&PDATE	Posting Date
1	BUDAT	&PDATE1	Posting date to
1	BUKRS	&COMP1	Company From
1	BUKRS	&COMP2	Company To
1	EXTWG	&SKU	PRODUCT SKU
1	GJAHR	&0FY	Current fiscal year
1	GJAHR	&0Y	Curr. calendar year
1	GJAHR	&Y1	Year From
1	KDGRP	&CUGR1	Customer Group From

5.2 Define Forms for Profitability Reports (KE34)

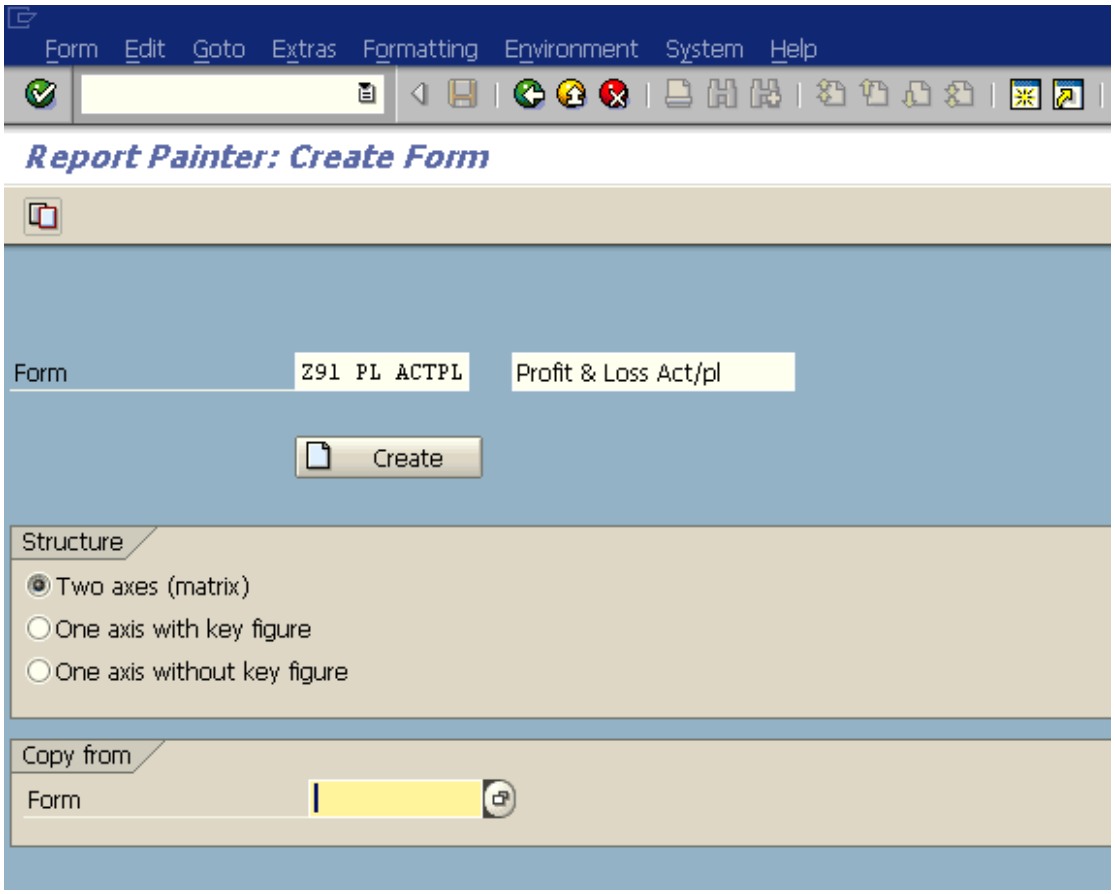
IMG → Controlling → Profitability Analysis → Information System → Report Components → Define Forms for Profitability Reports (KE34)

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.

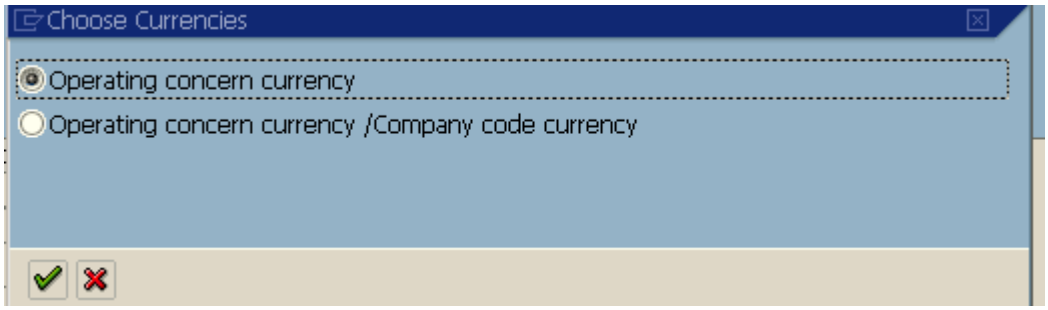


Double click

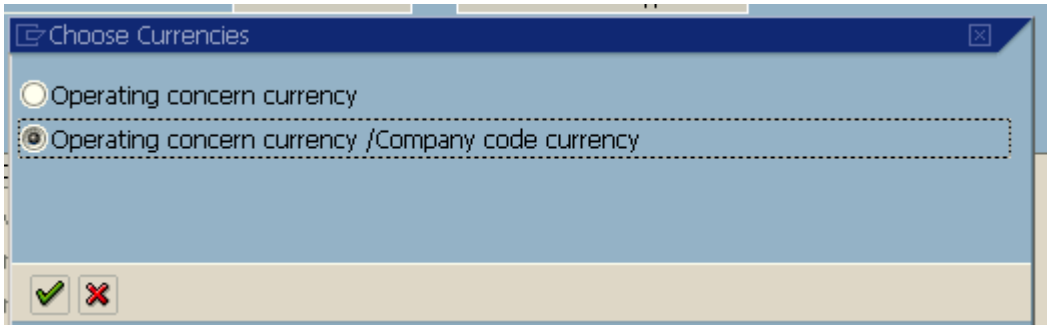
Update the following:-

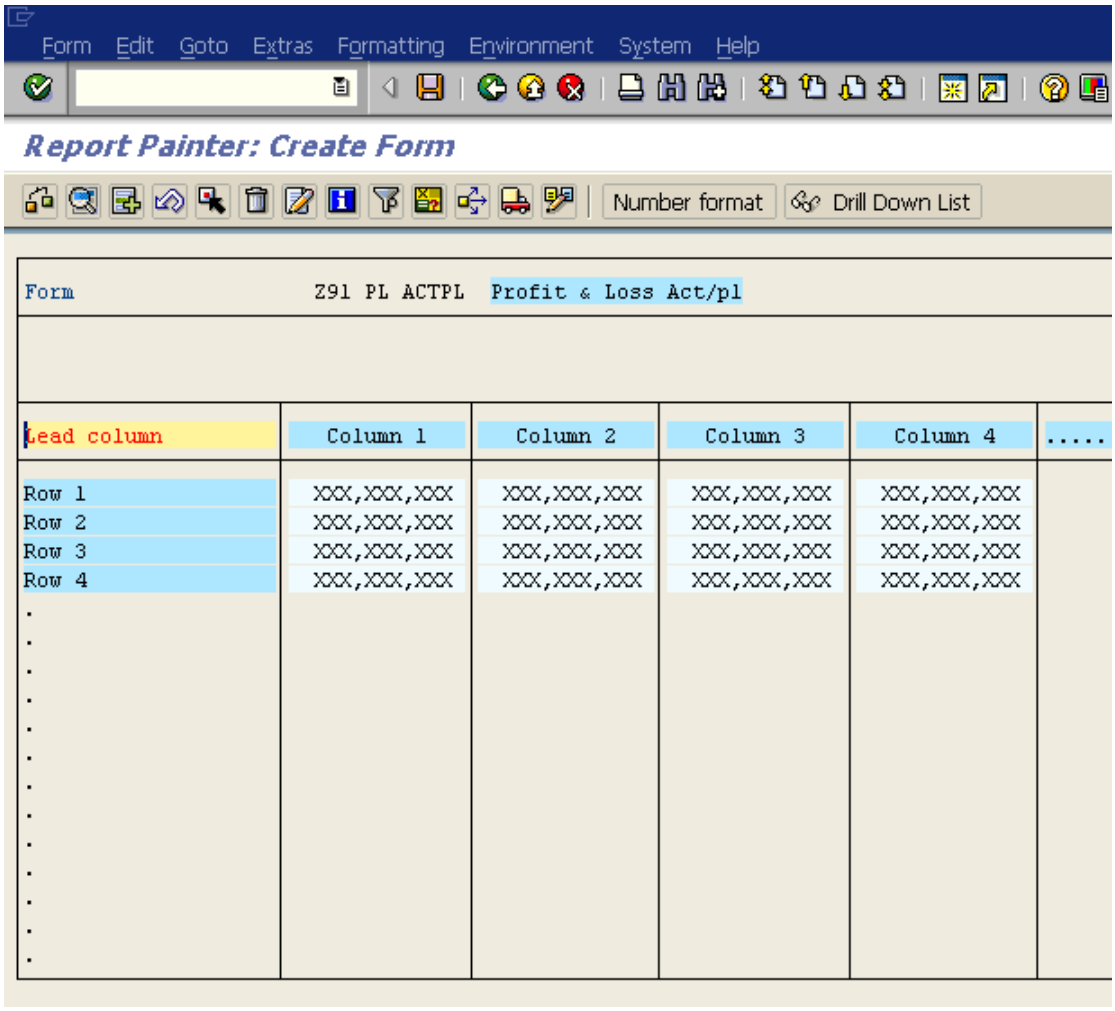


Click

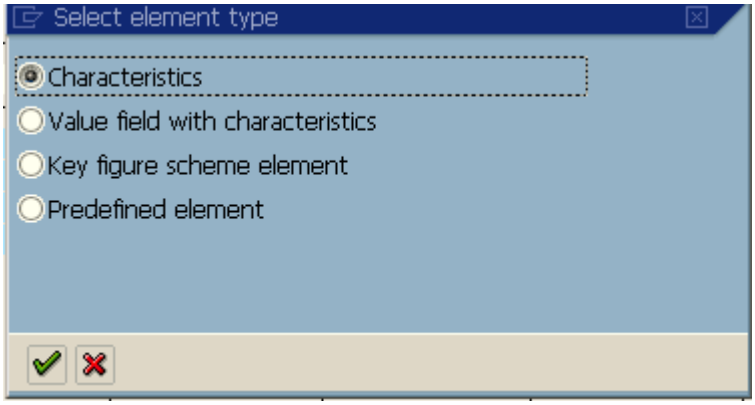


Select

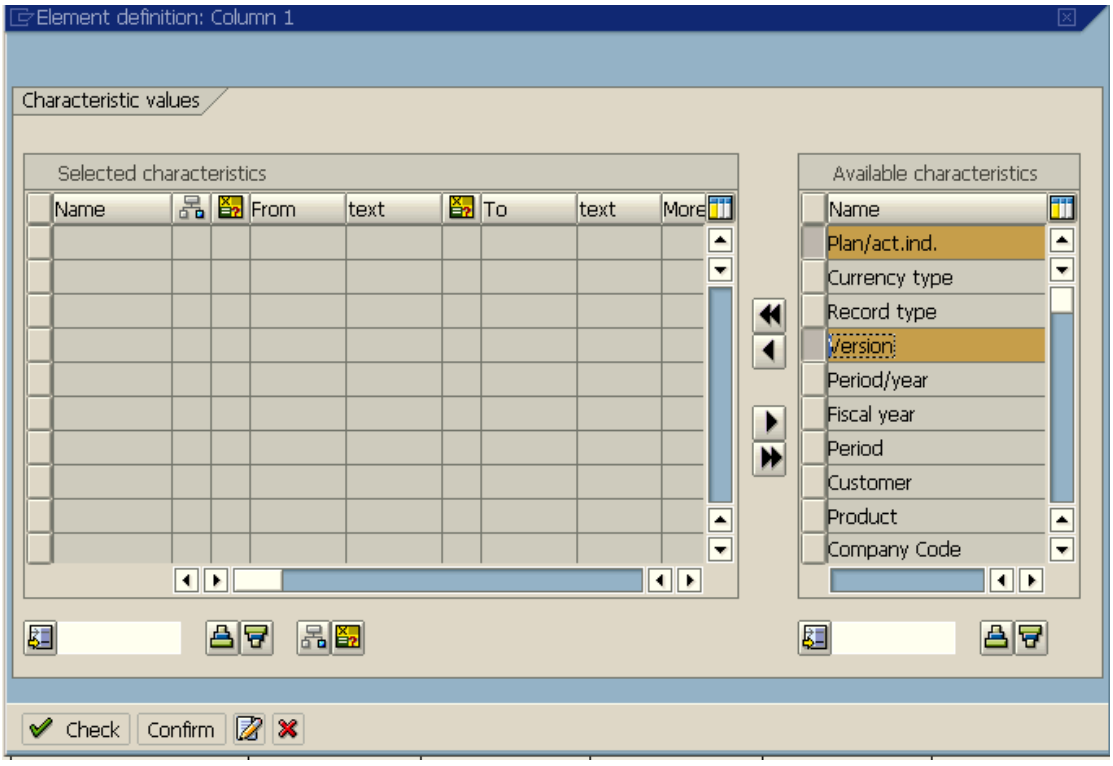




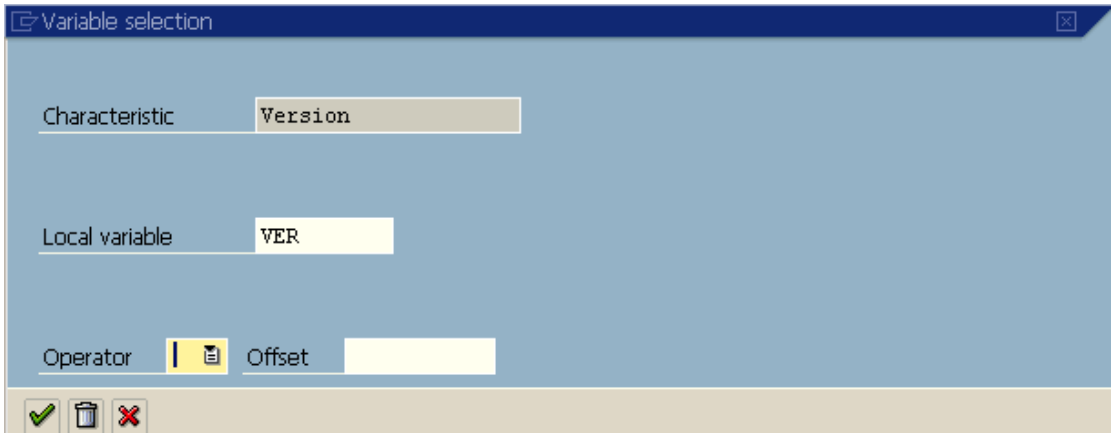
Double click Column 1



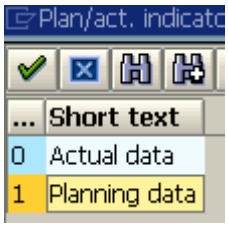
Select

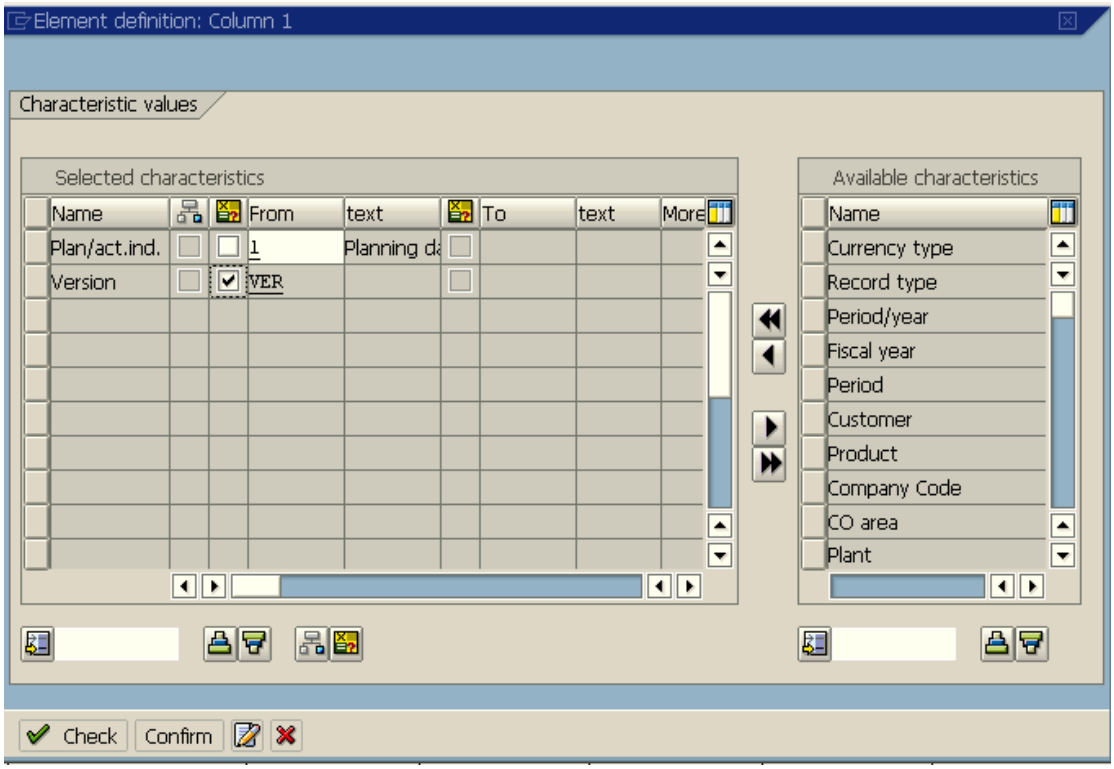


Click

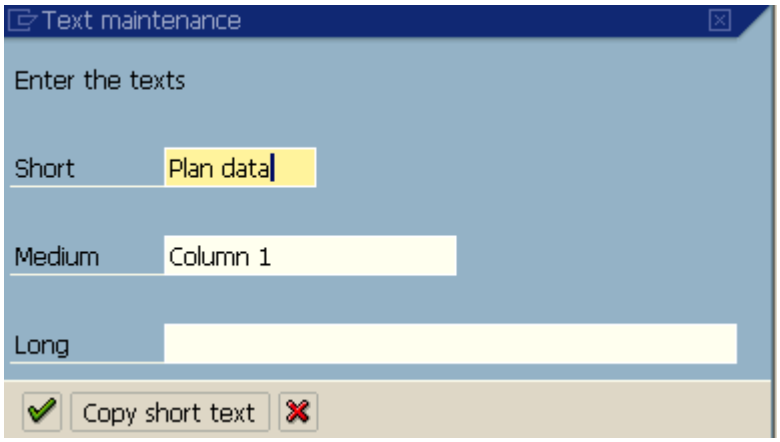


Take a drop down in Plan/act. Ind

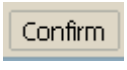




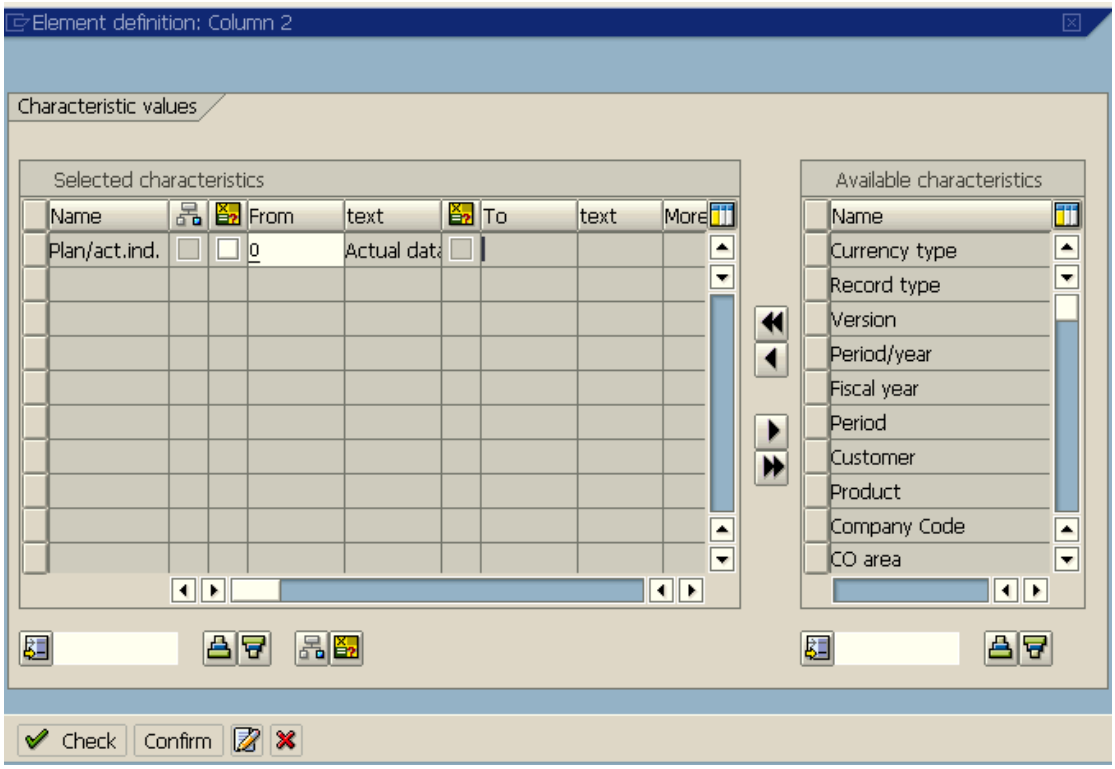
Click

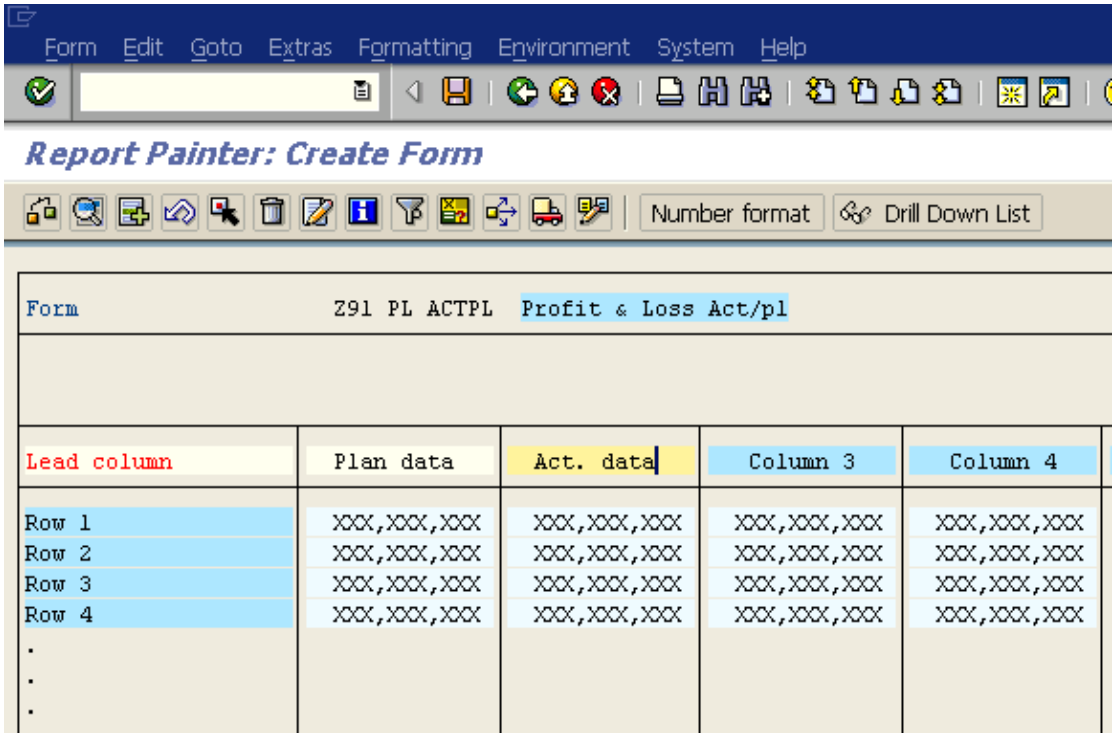


Click

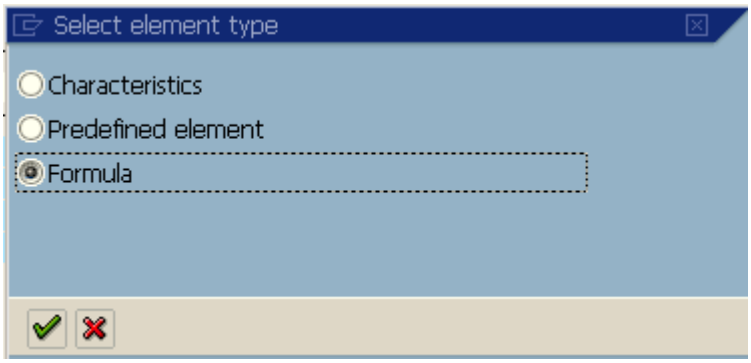
Click 

Double click column 2 and only select characteristic Plan/act. Ind





Double click Column 3

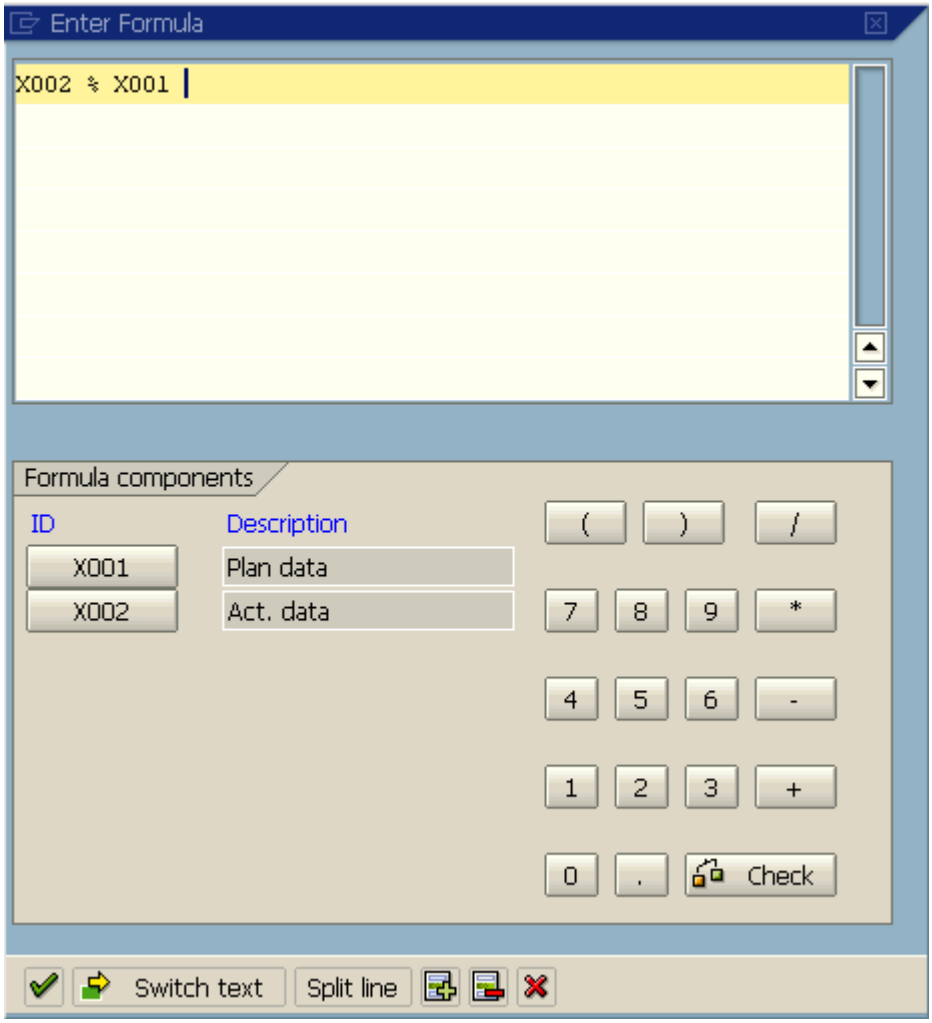


Double click

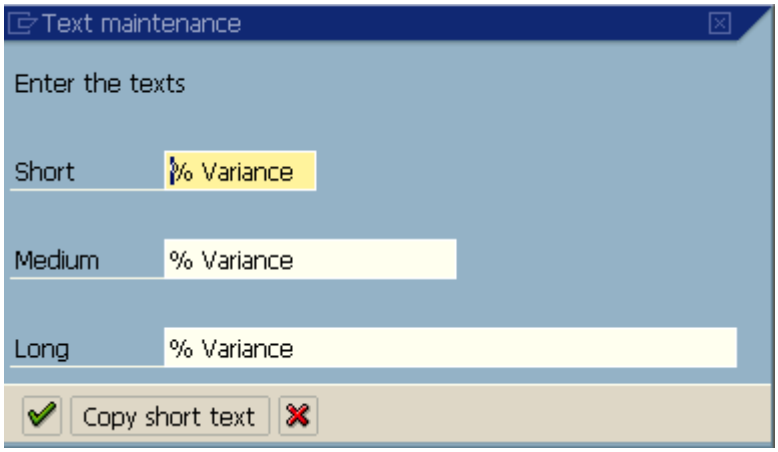
Type %

Double click

Click

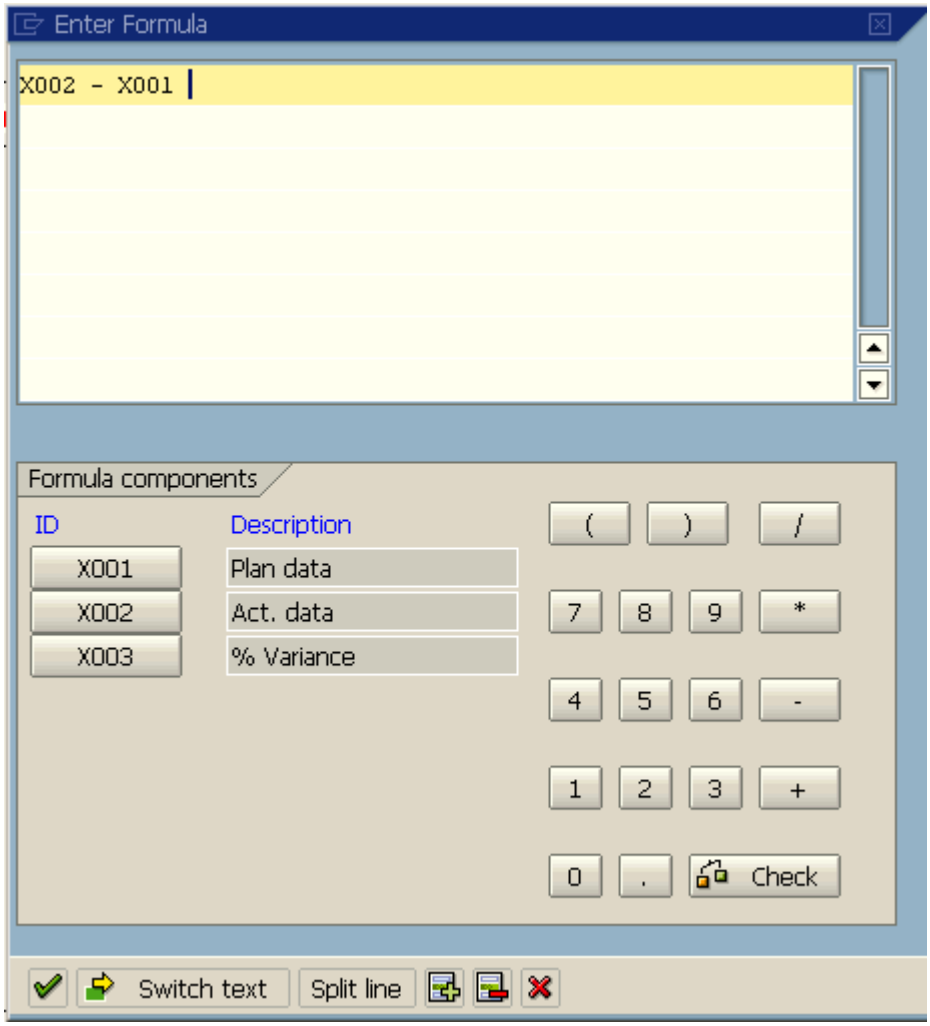


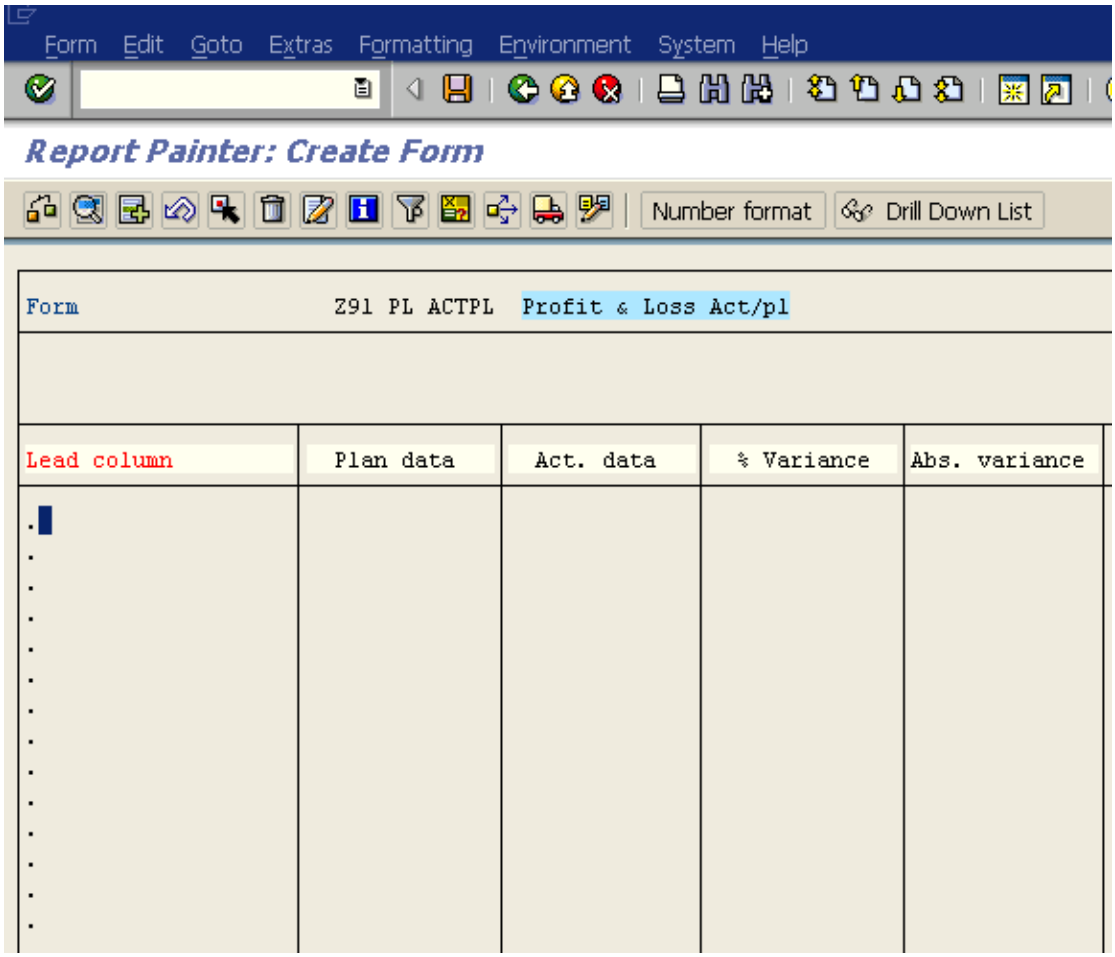
Click



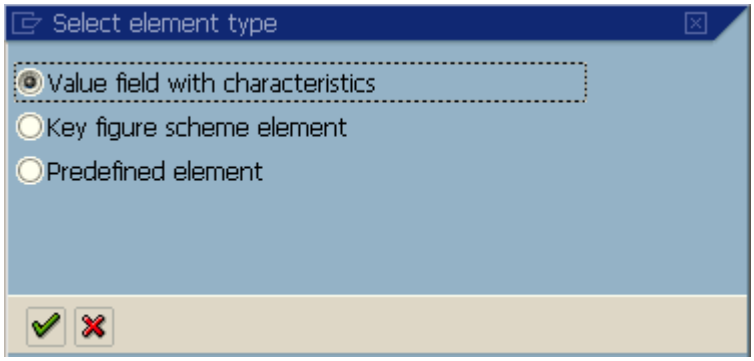
Double click column 4

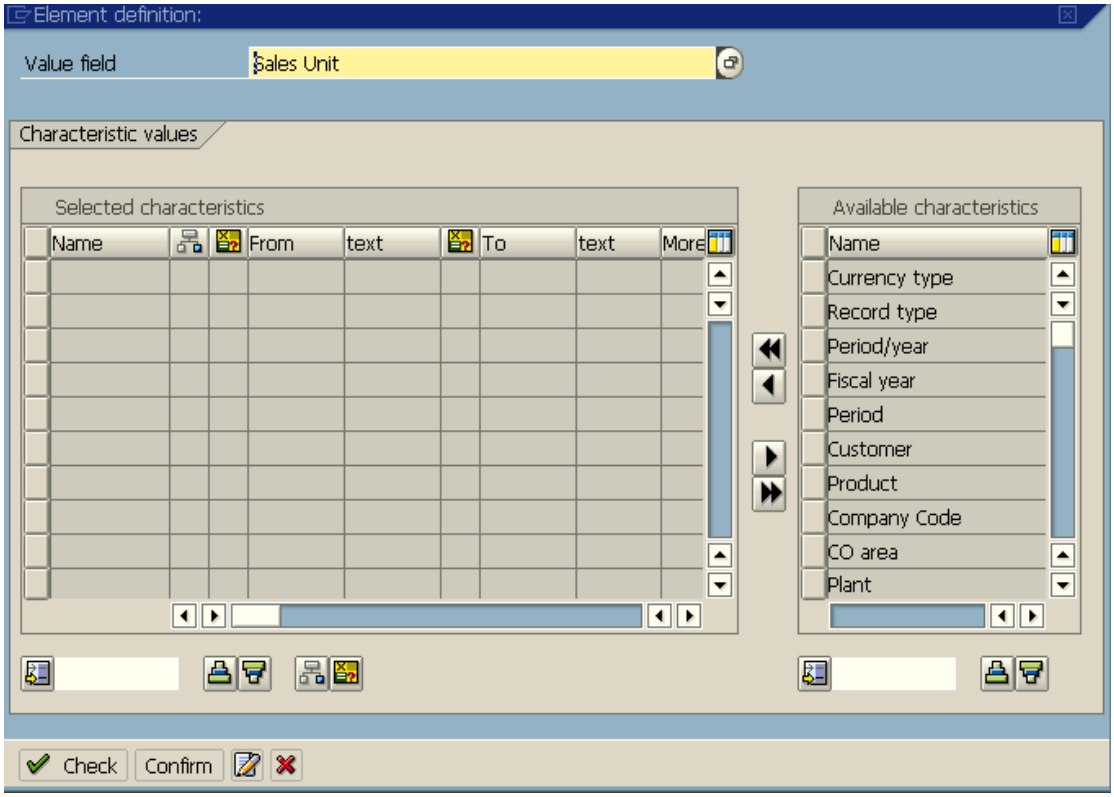
Select formula





Double click the first row

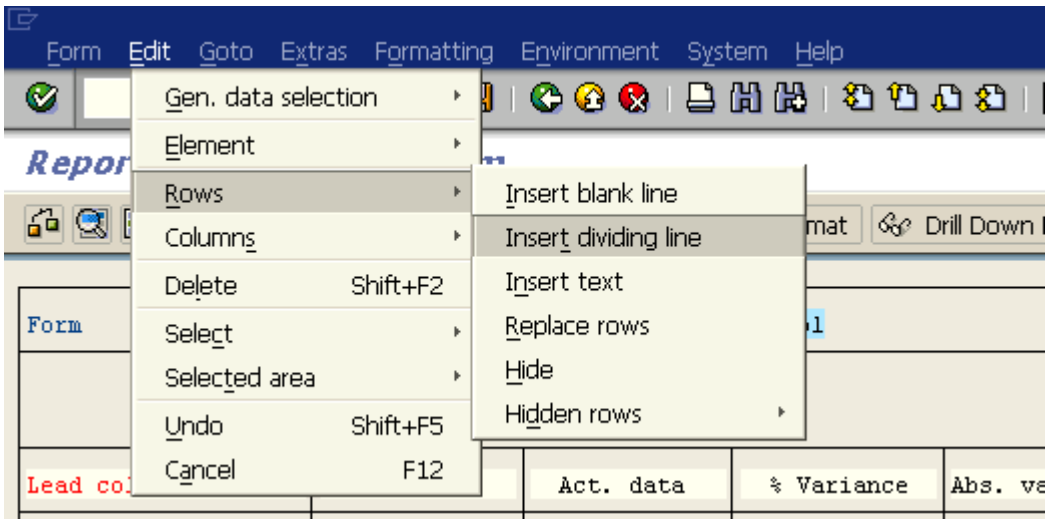


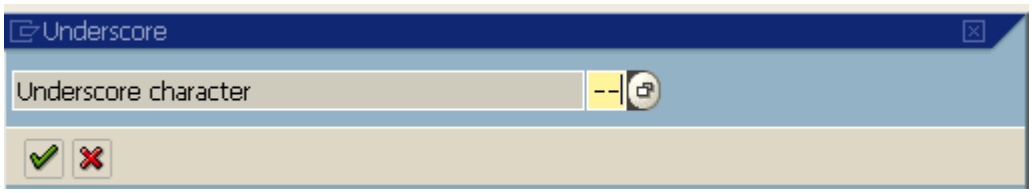


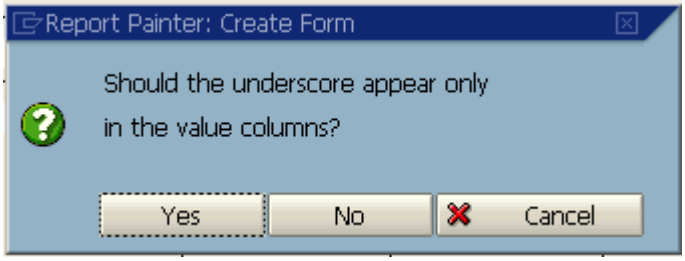
Click Confirm

Position the cursor on second row below sales unit

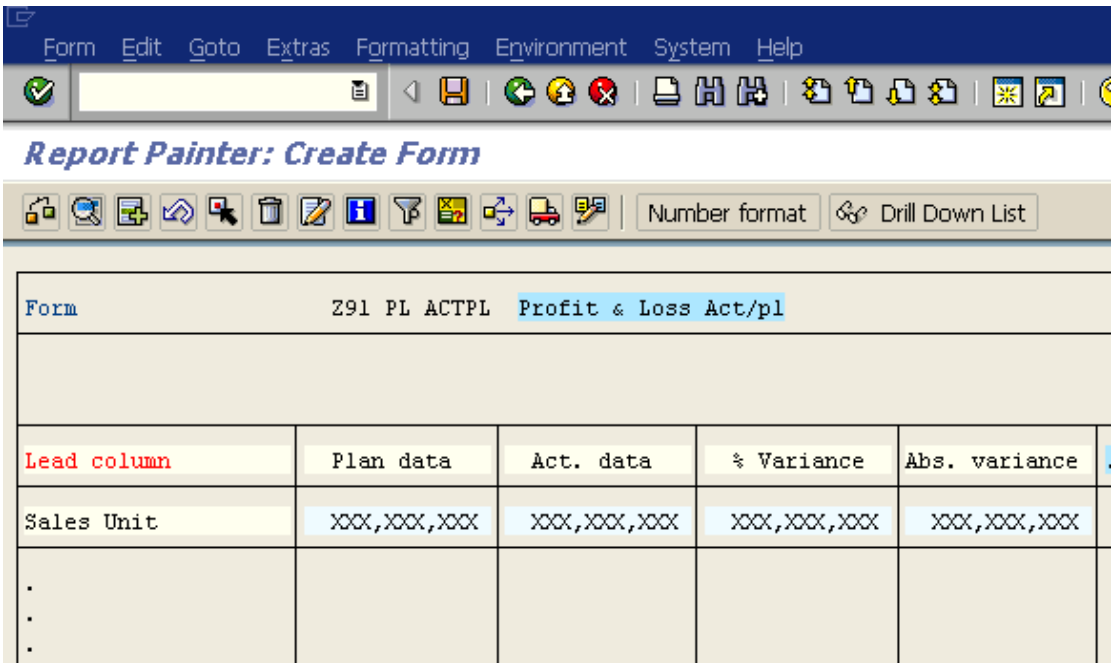
Click on



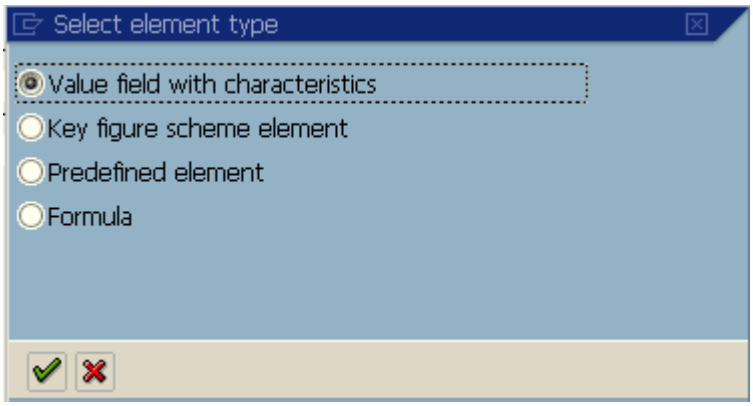




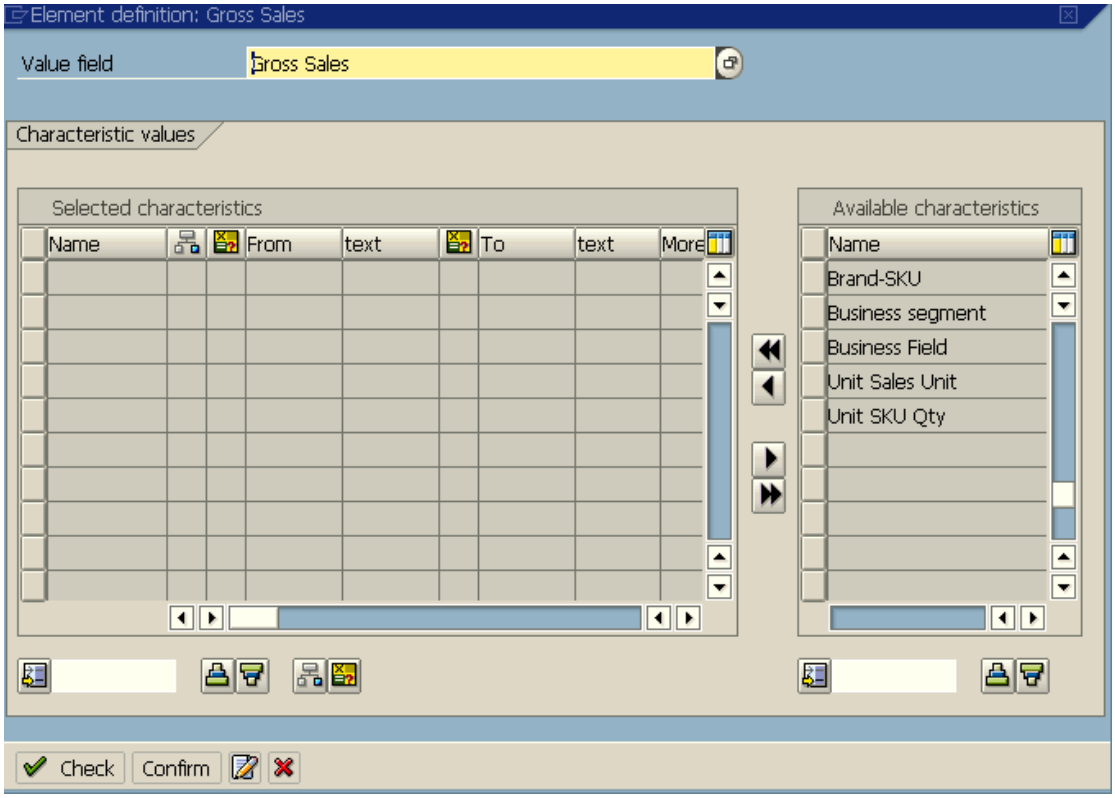
Click No



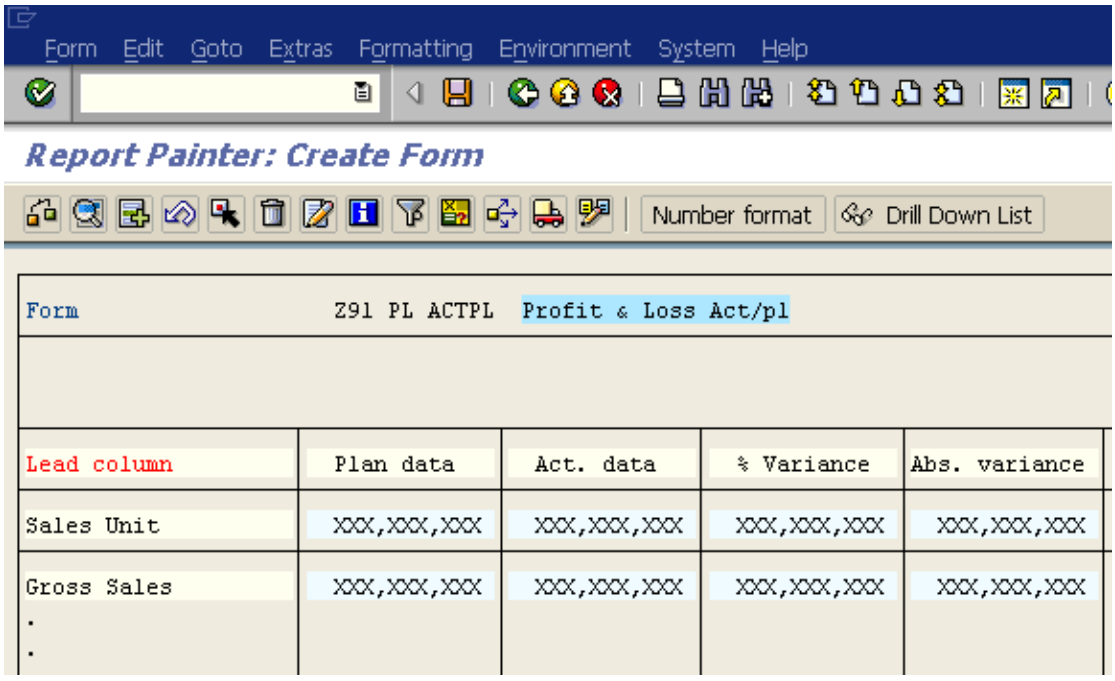
Now double click on the row below the new line



Select in value field Gross sales

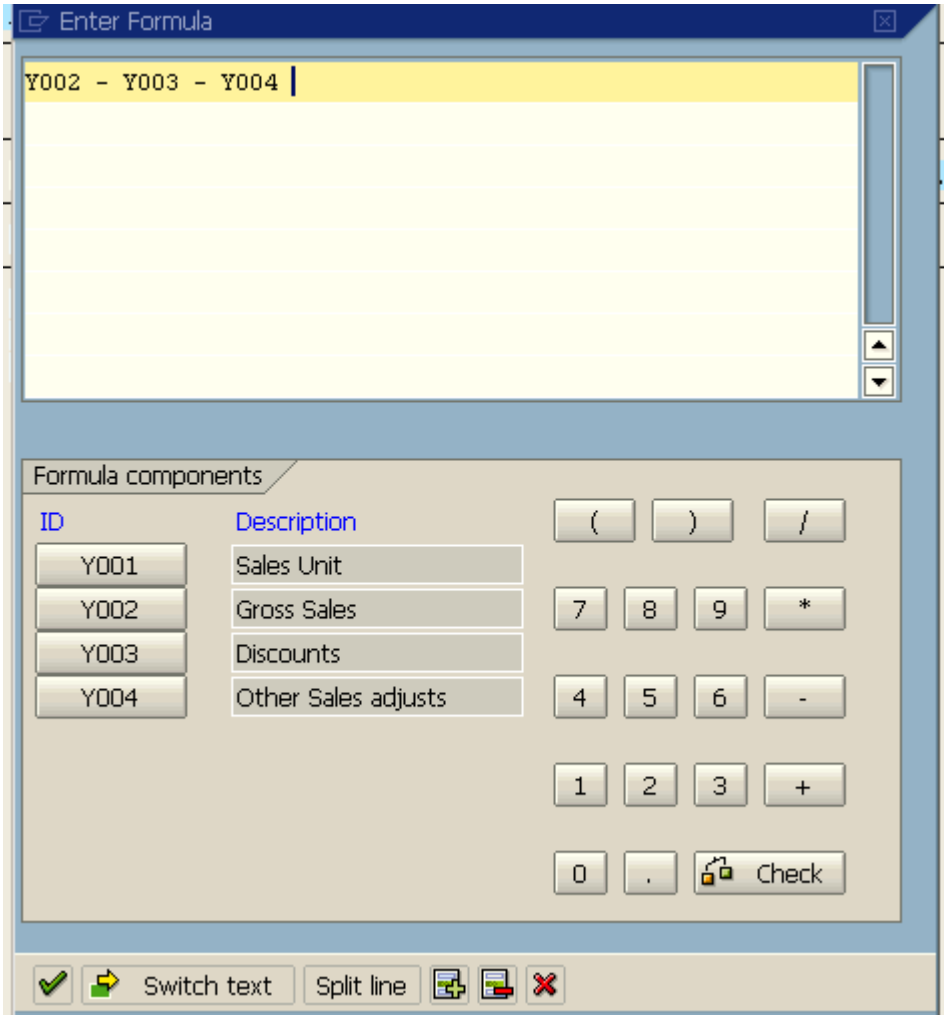


Click Confirm

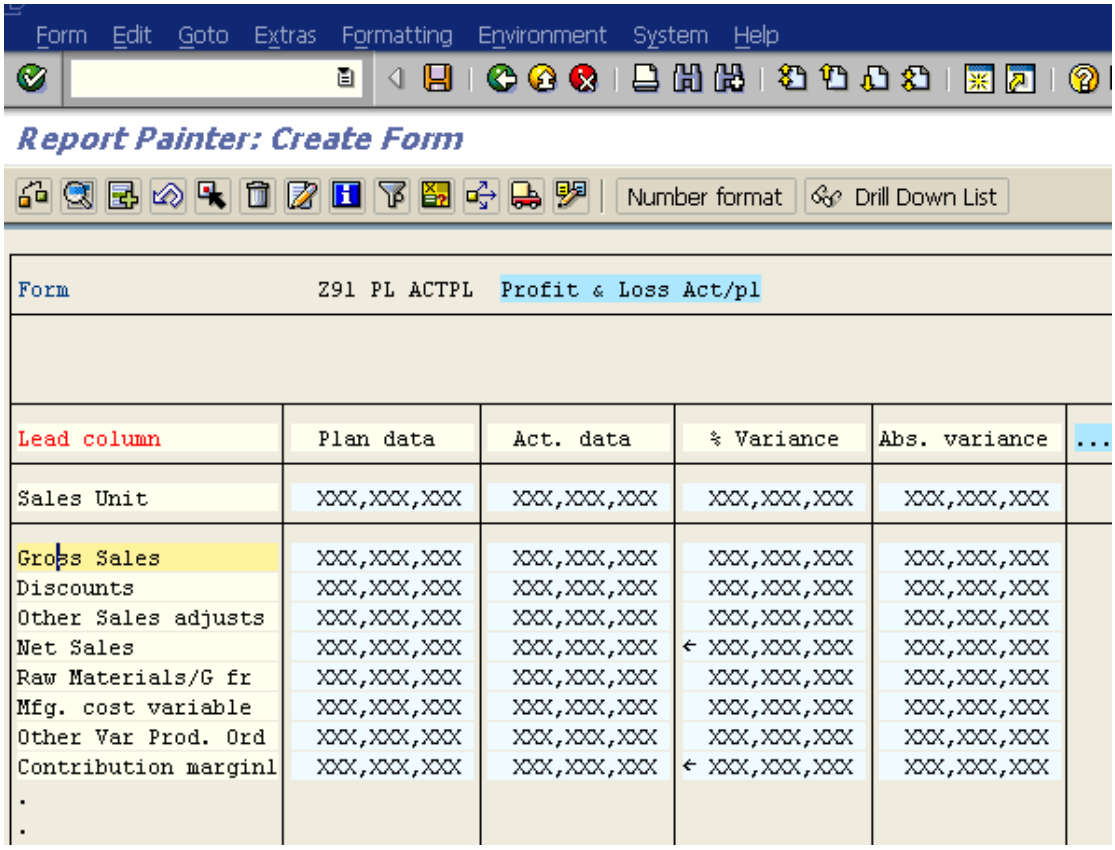


Similarly add other value fields

In Net sales we need to select formula



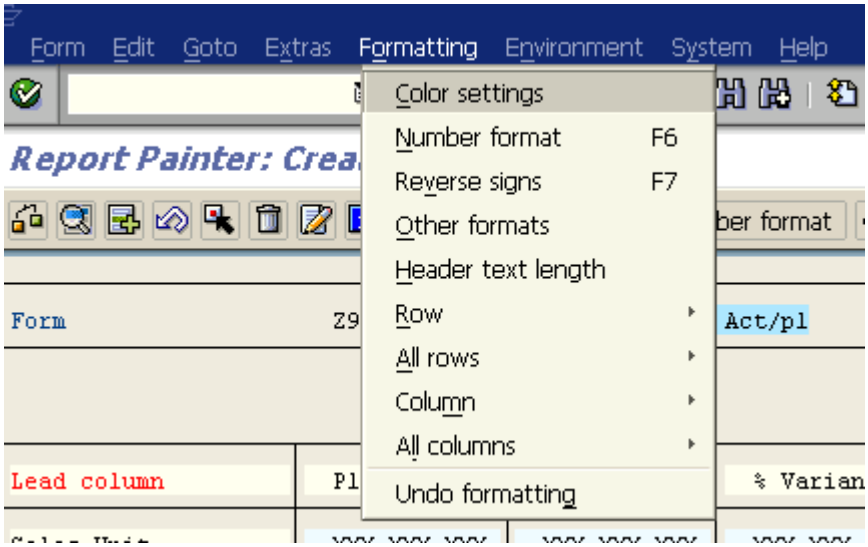
Finally the form should look like this:-

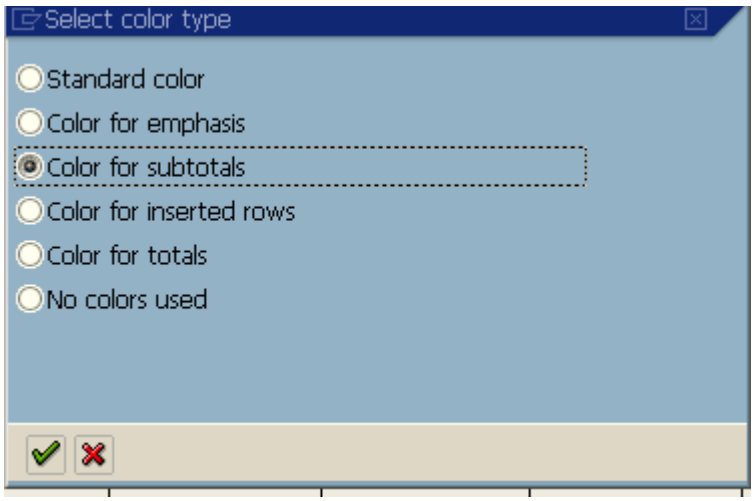


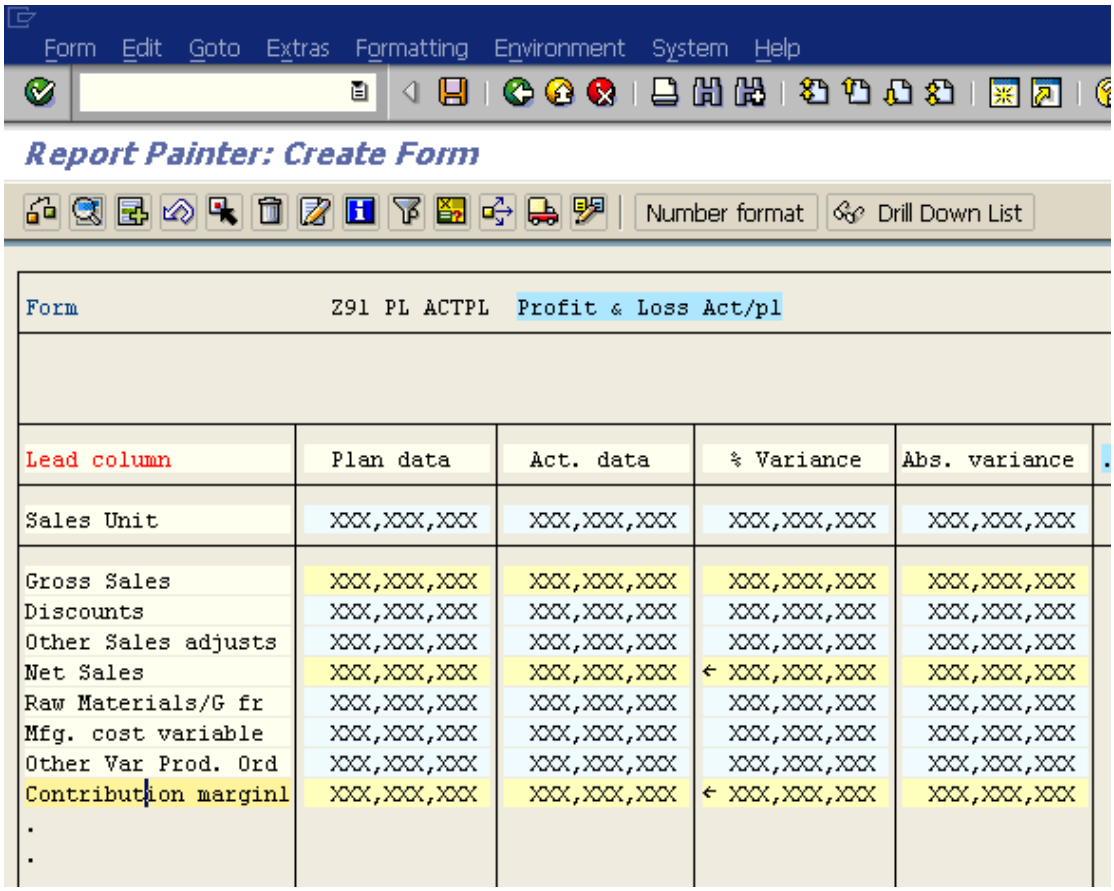
We want to change the colour of Gross sales for more emphasis.

Position the cursor on Gross sales

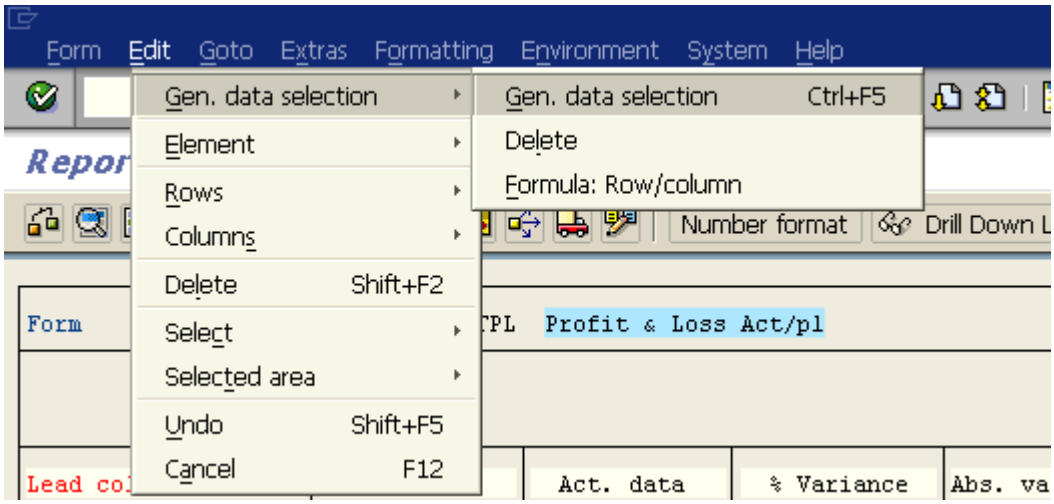
Click formatting → Color settings

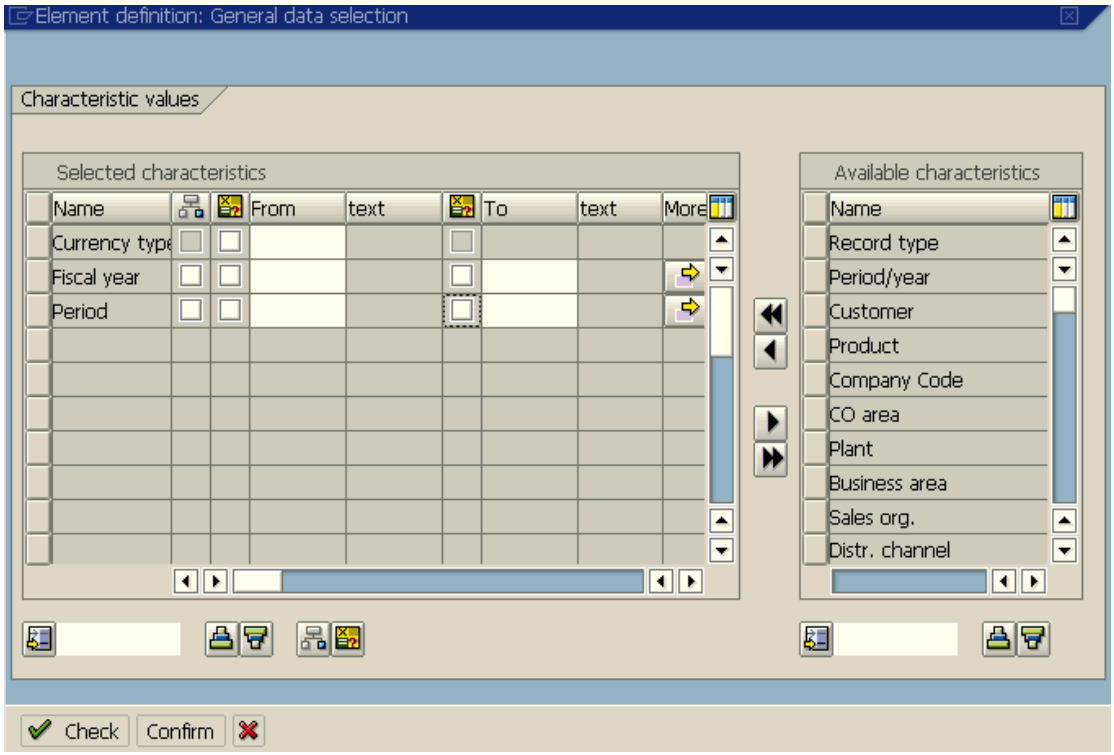



Select color type
Standard color
Color for emphasis
Color for subtotals
Color for inserted rows
Color for totals
No colors used


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
Gross Sales
Discounts
Other Sales adjusts
Net Sales
Raw Materials/G fr
Mfg. cost variable
Other Var Prod. Ord
Contribution marginl
XXX,XXX,XXX

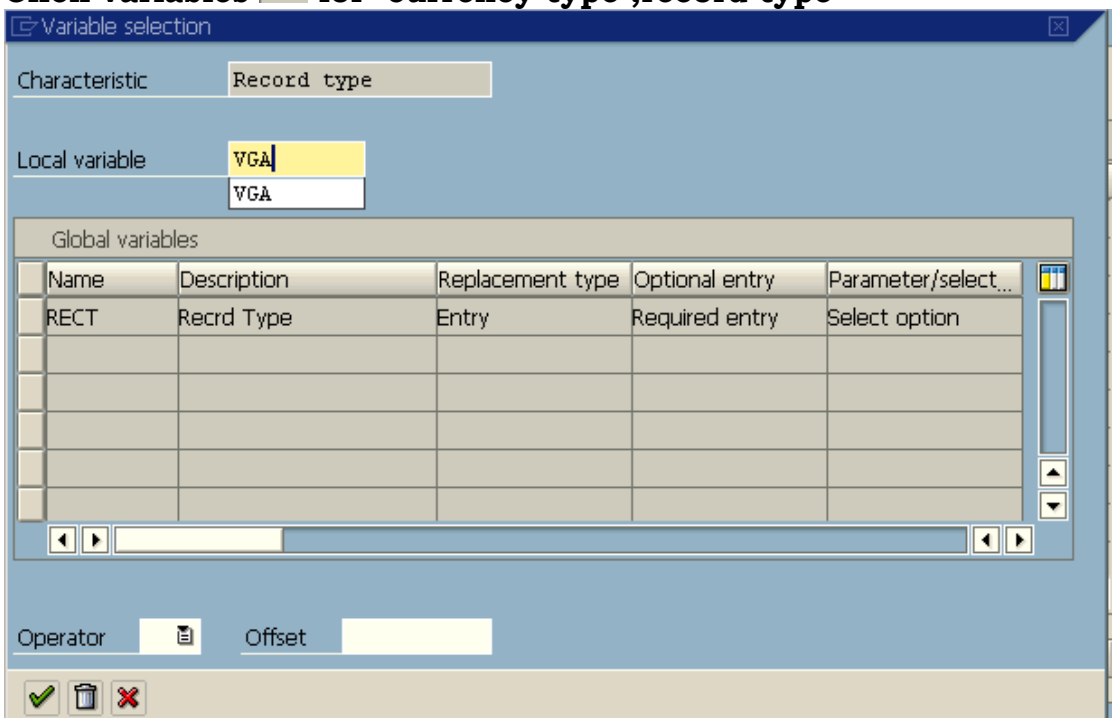
Click on





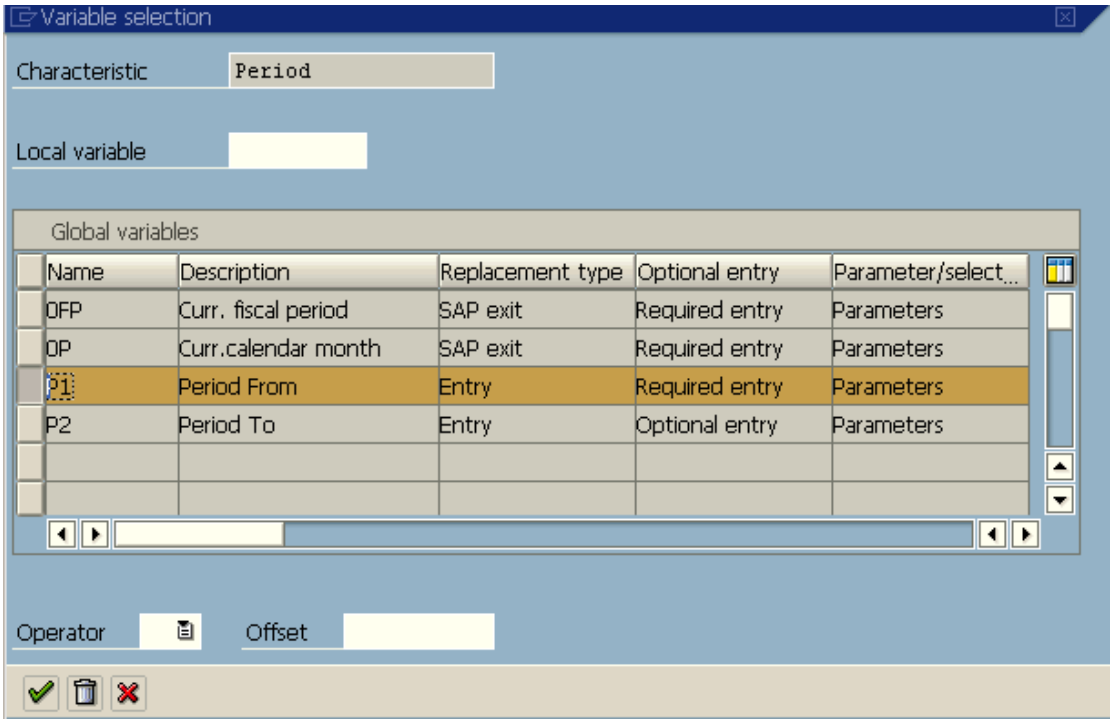
The variables you define here are then available in the report as variables.

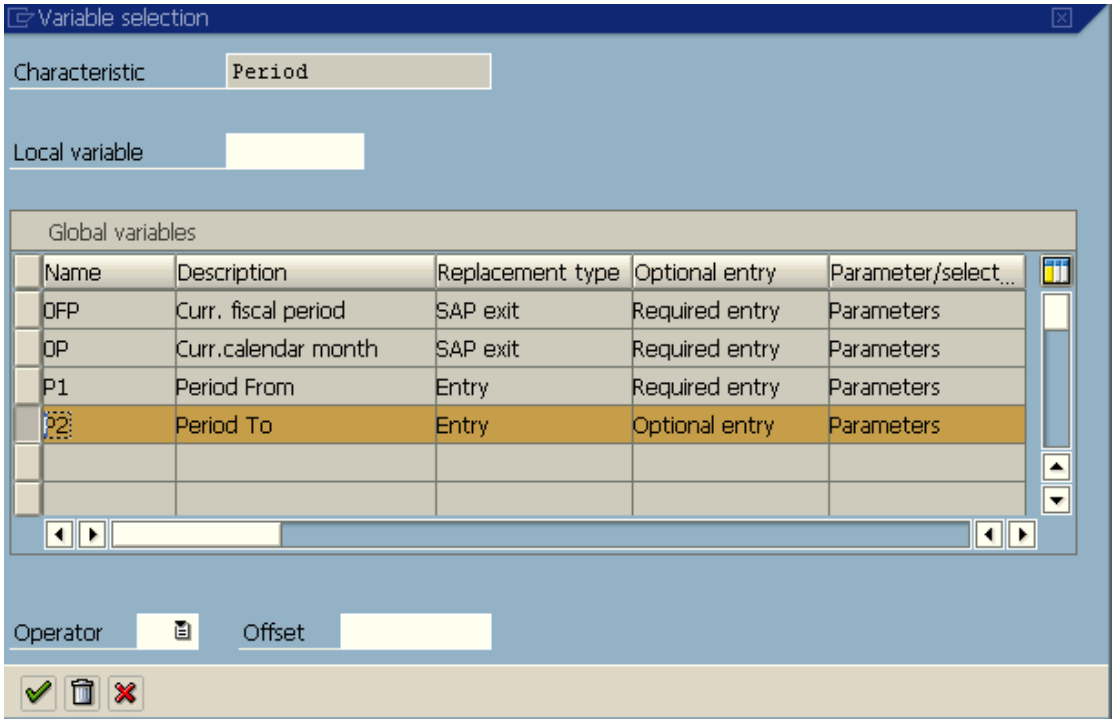
Click variables **for currency type ,record type**

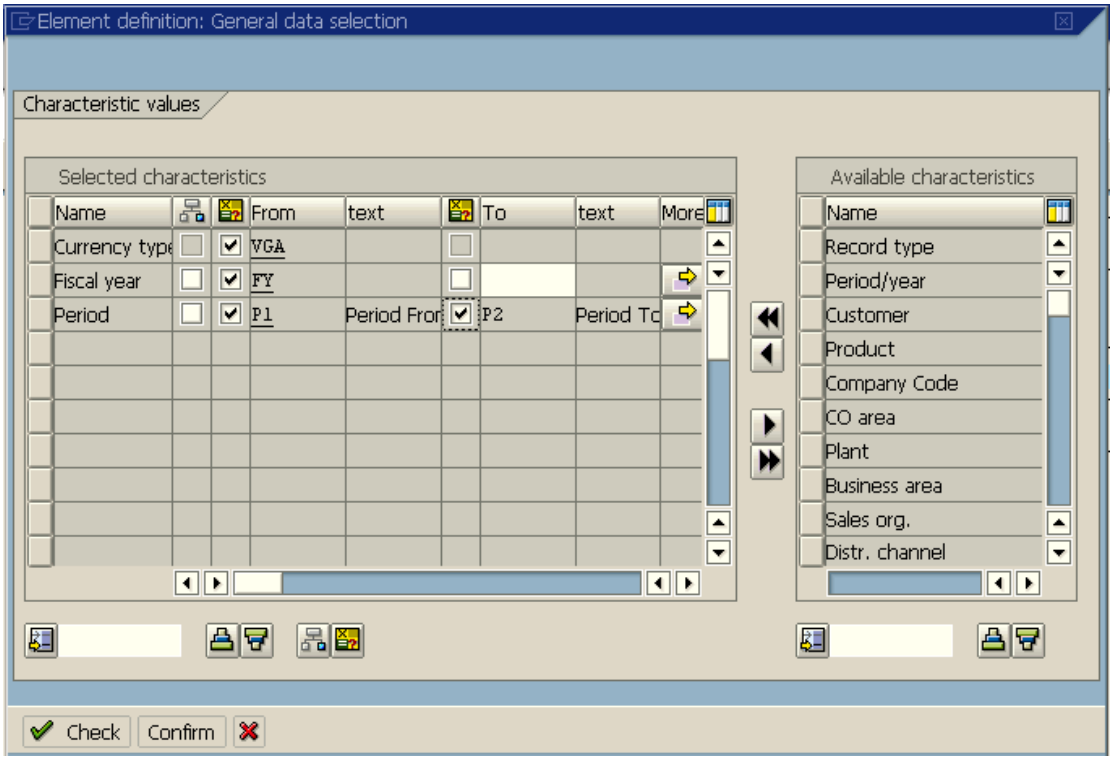


Also make fiscal year as variable

Make period also variable







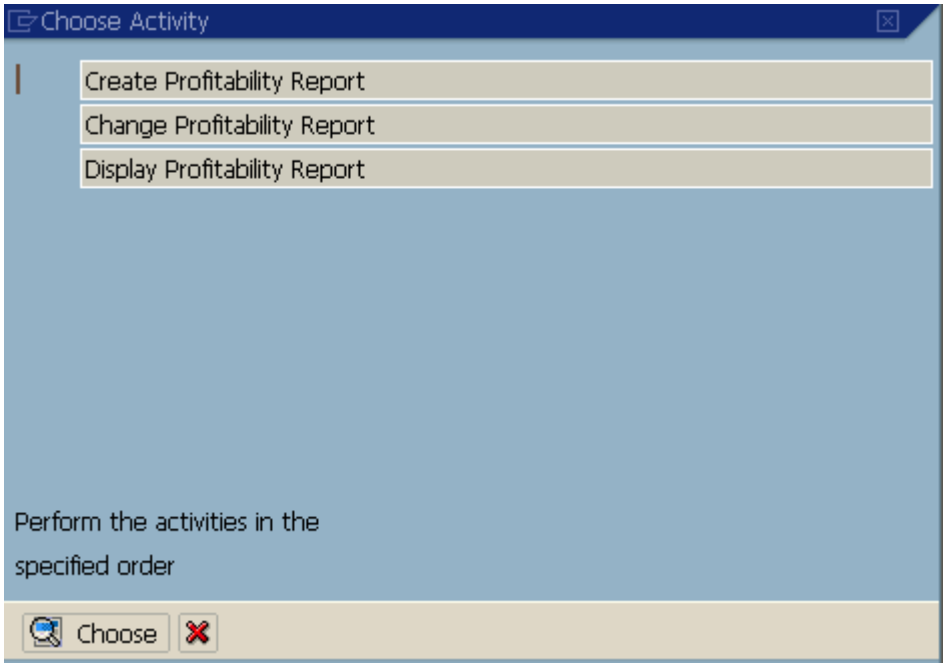
Click

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

Click

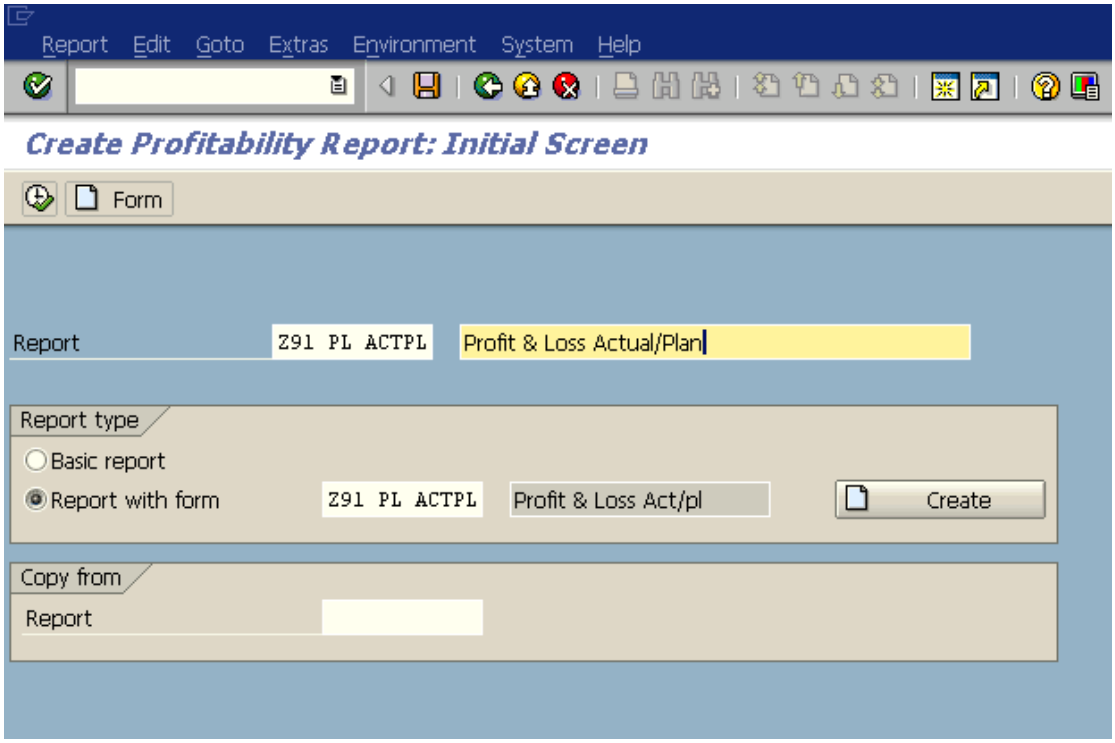
5.3 Create Profitability Report (KE31)

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



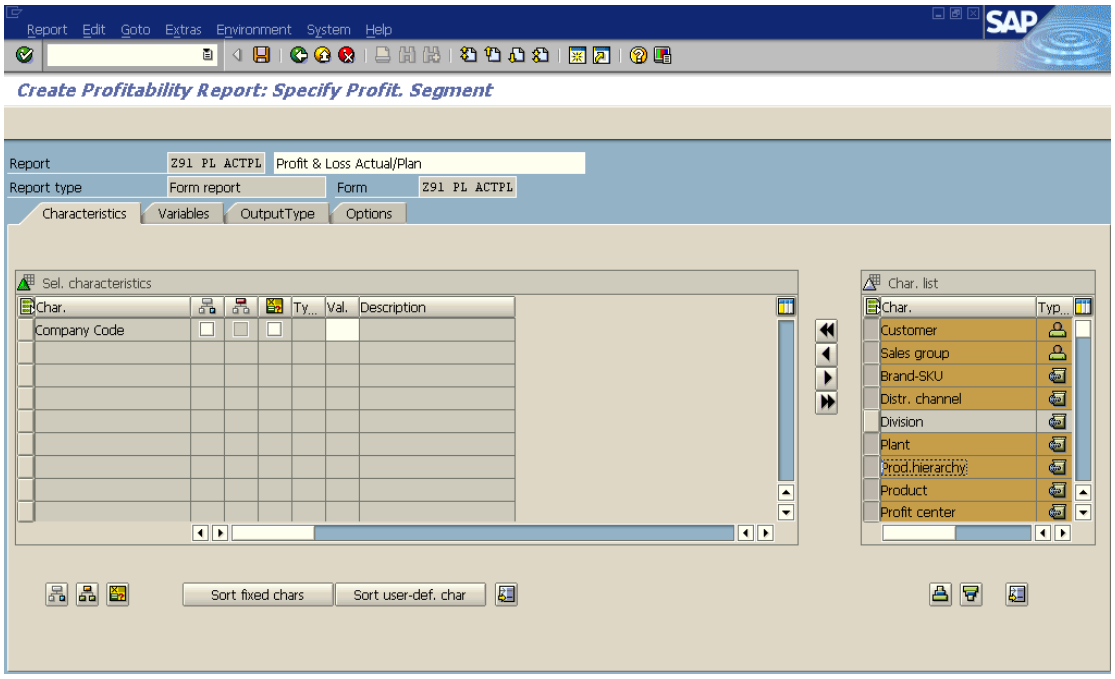
Double click

Update the following:-



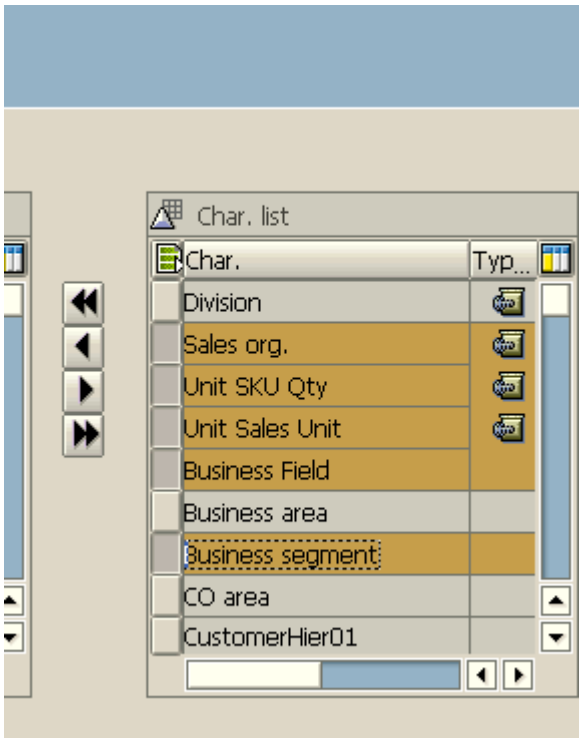
Click

Select the characteristics from the right

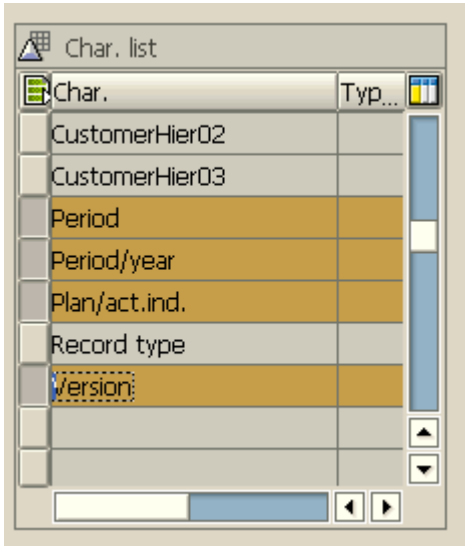


Click

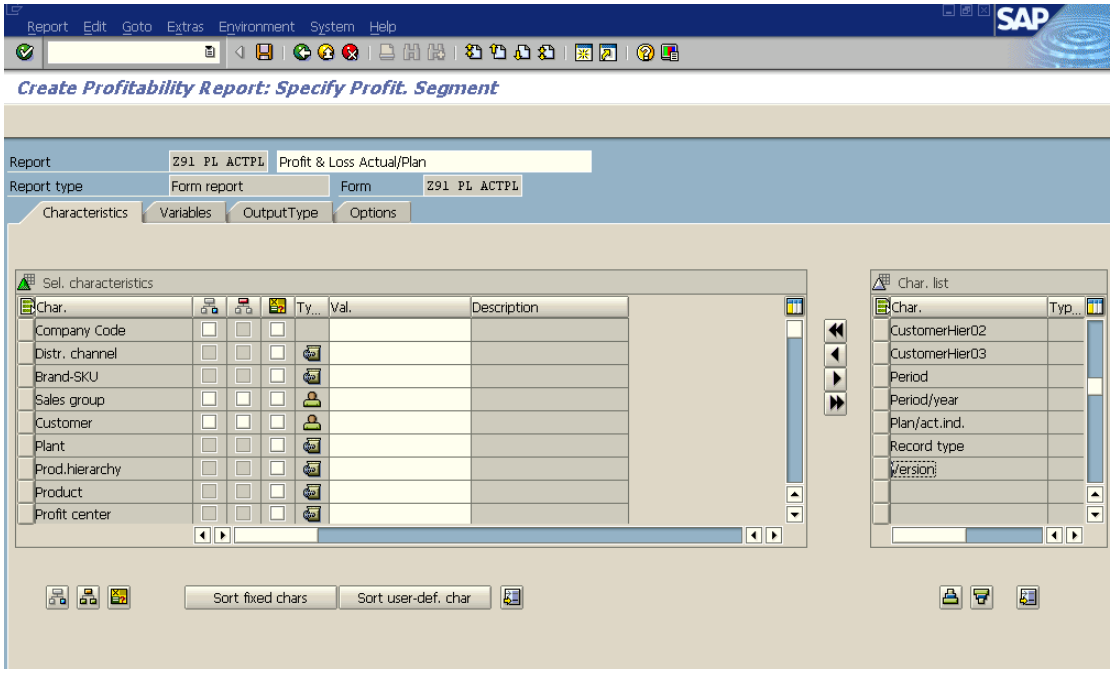
Further select characteristics



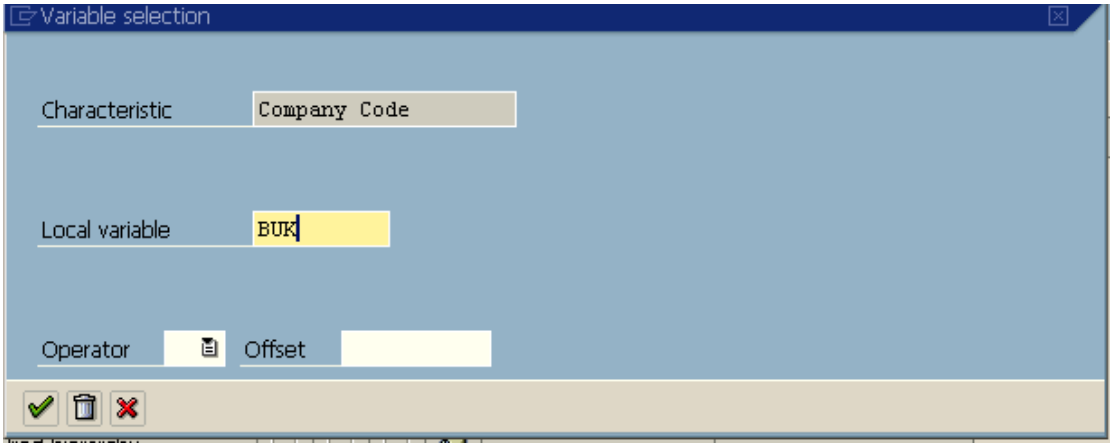
Click



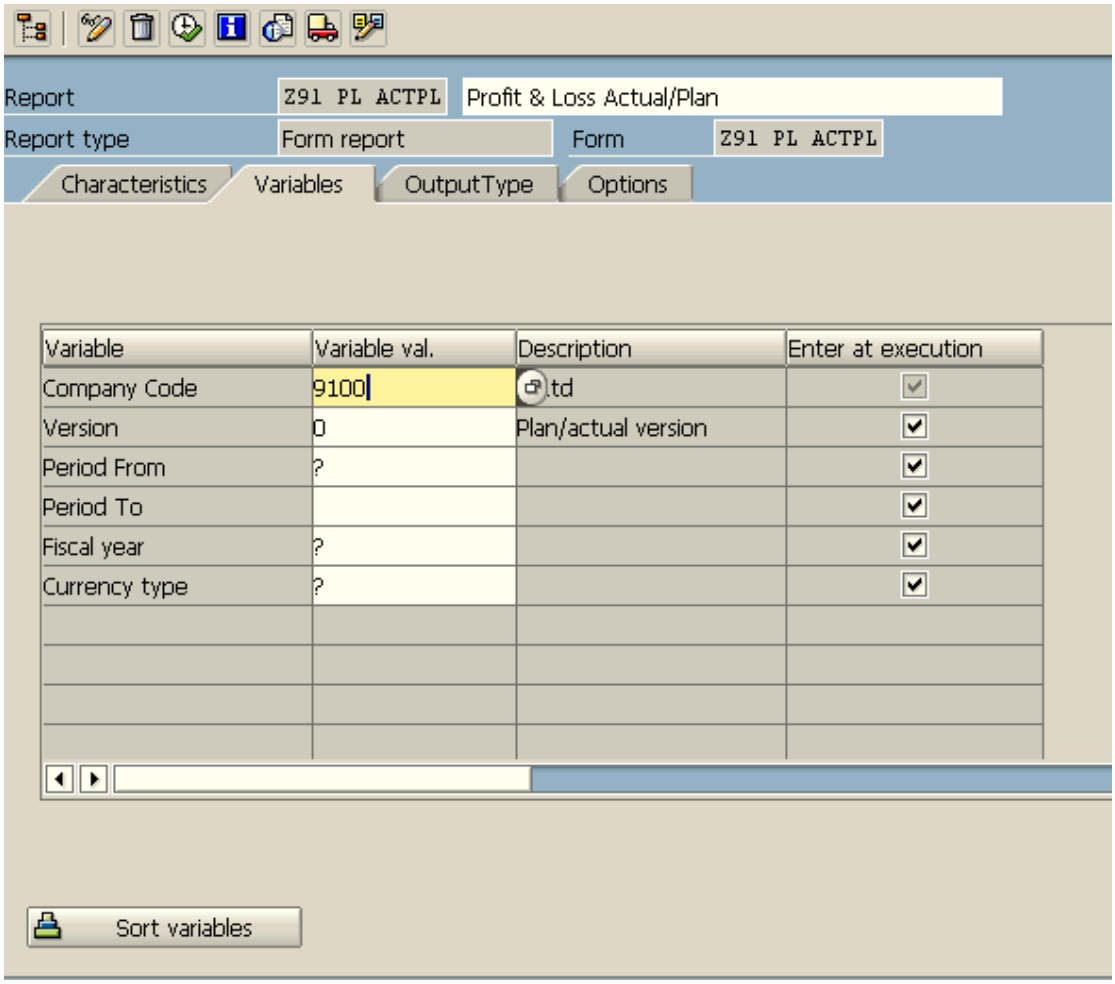
Click



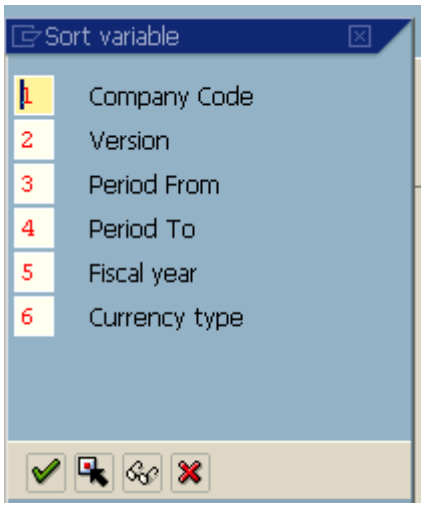
Set company code as variable by clicking



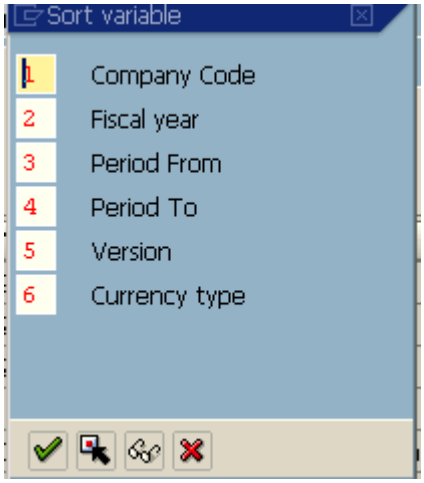
Click on



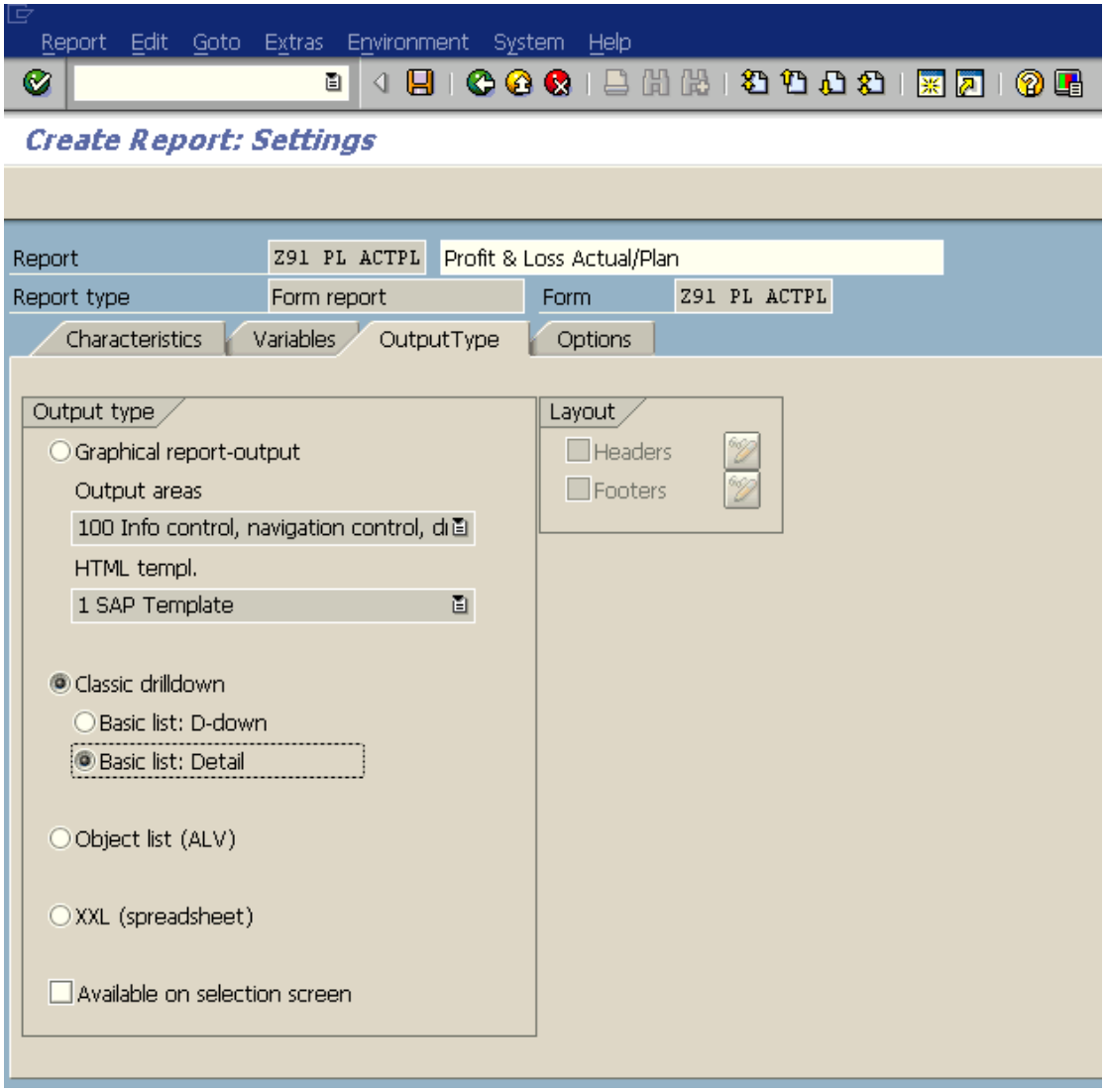
We can sort variables by clicking



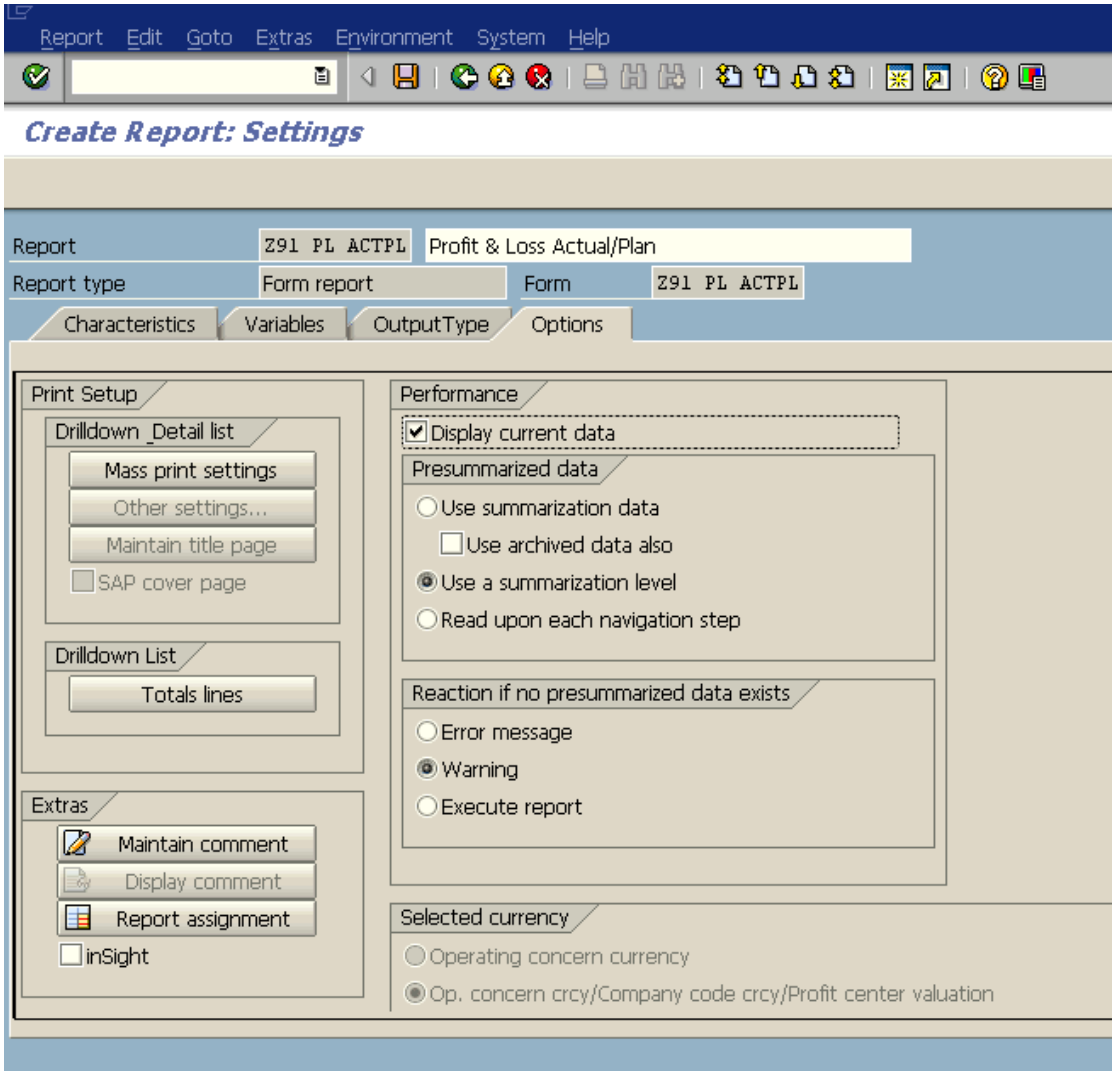
change the order to



Click on OutputType

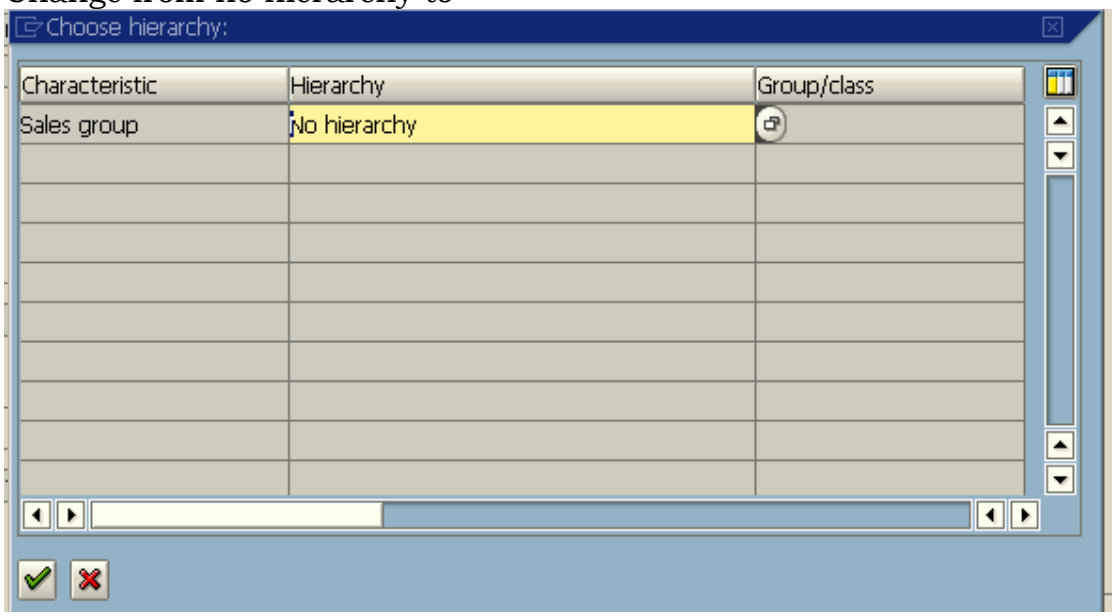


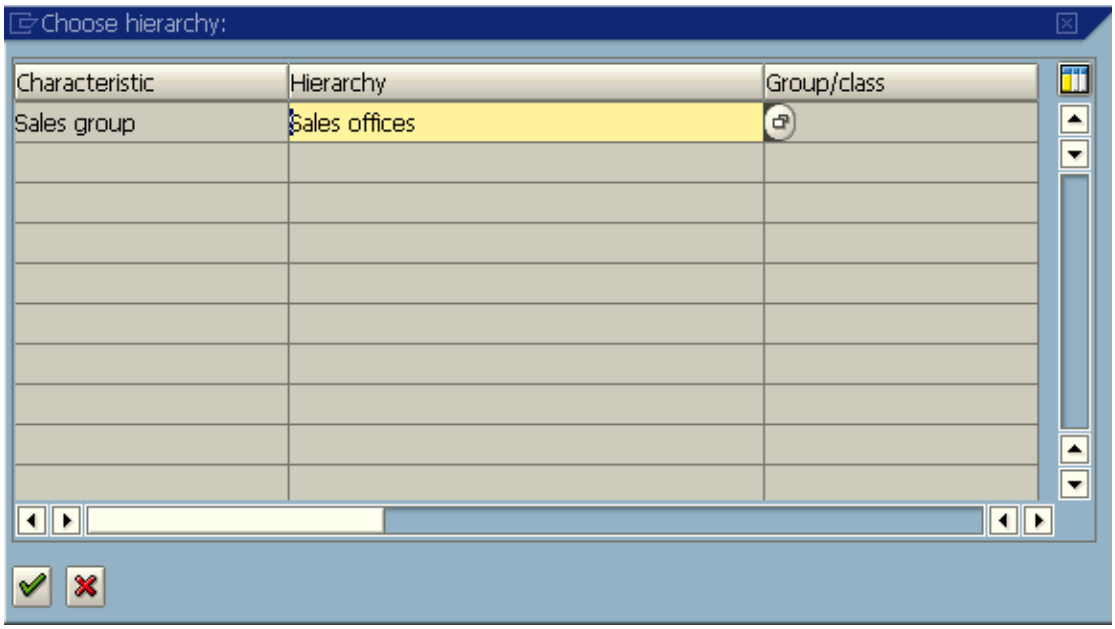
Click on Options



Click on

Change from no hierarchy to

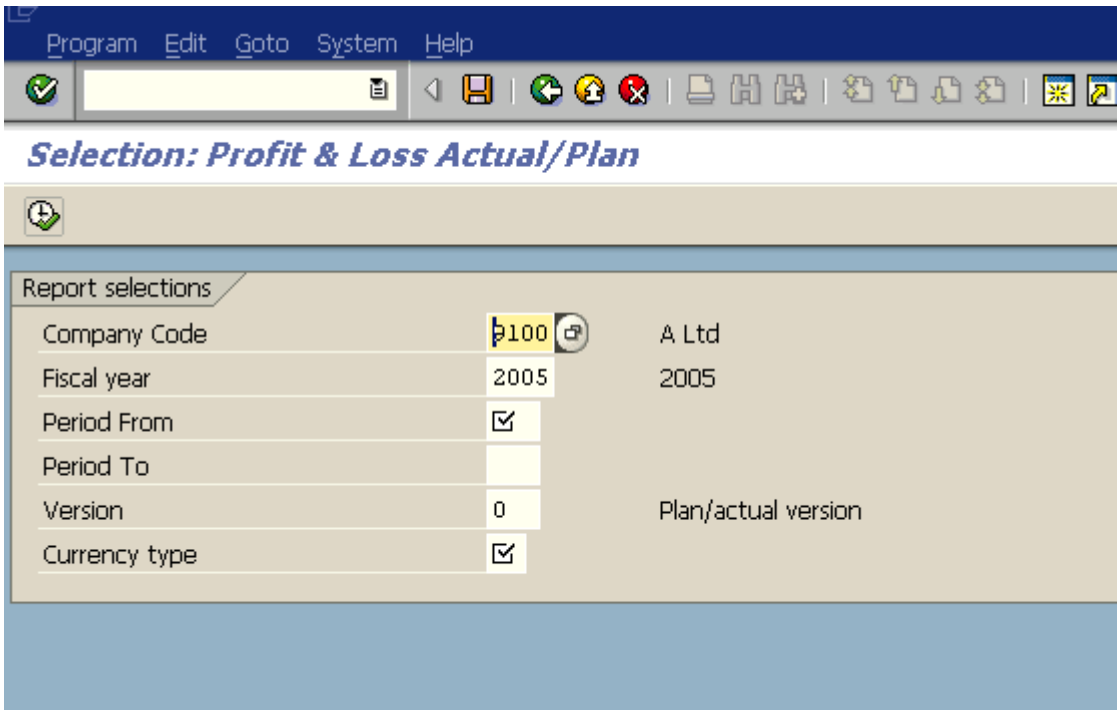




Click

You can generate the report by clicking

The report selection will look like this

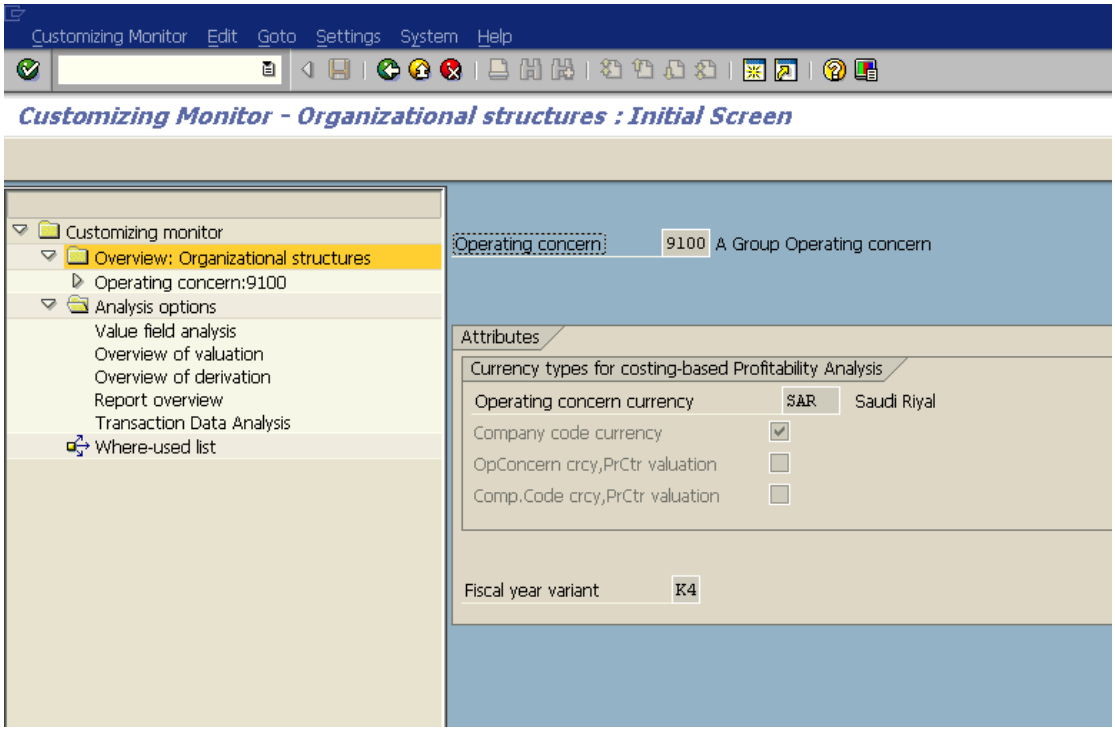


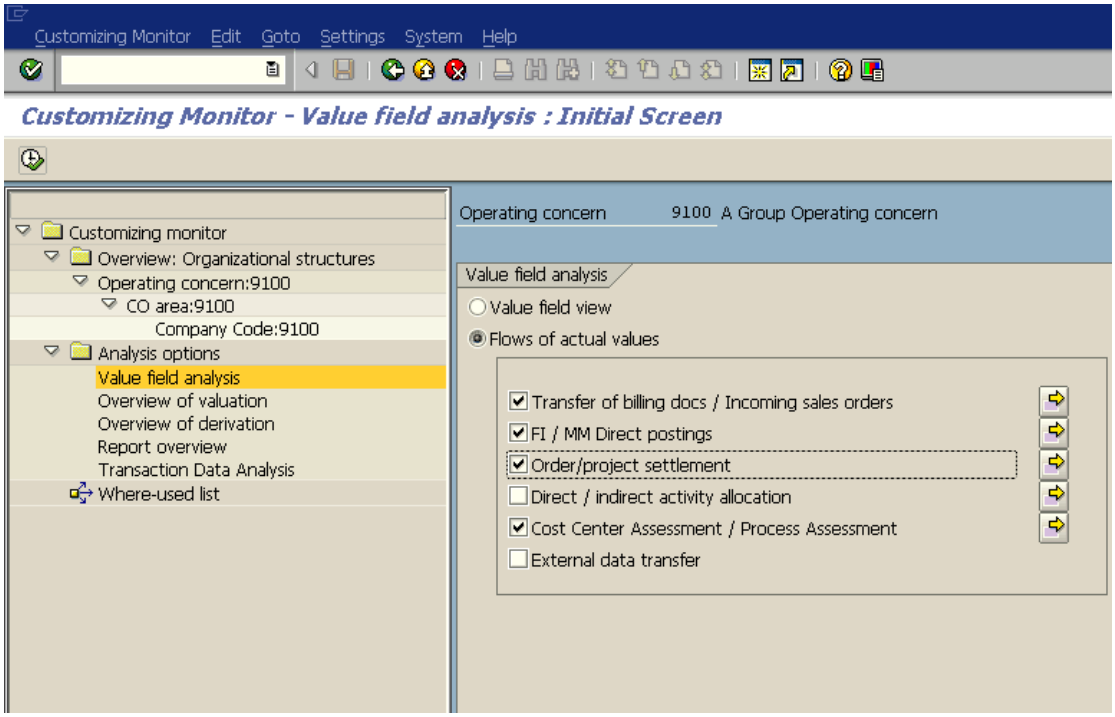
6. Tools

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 detailled 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

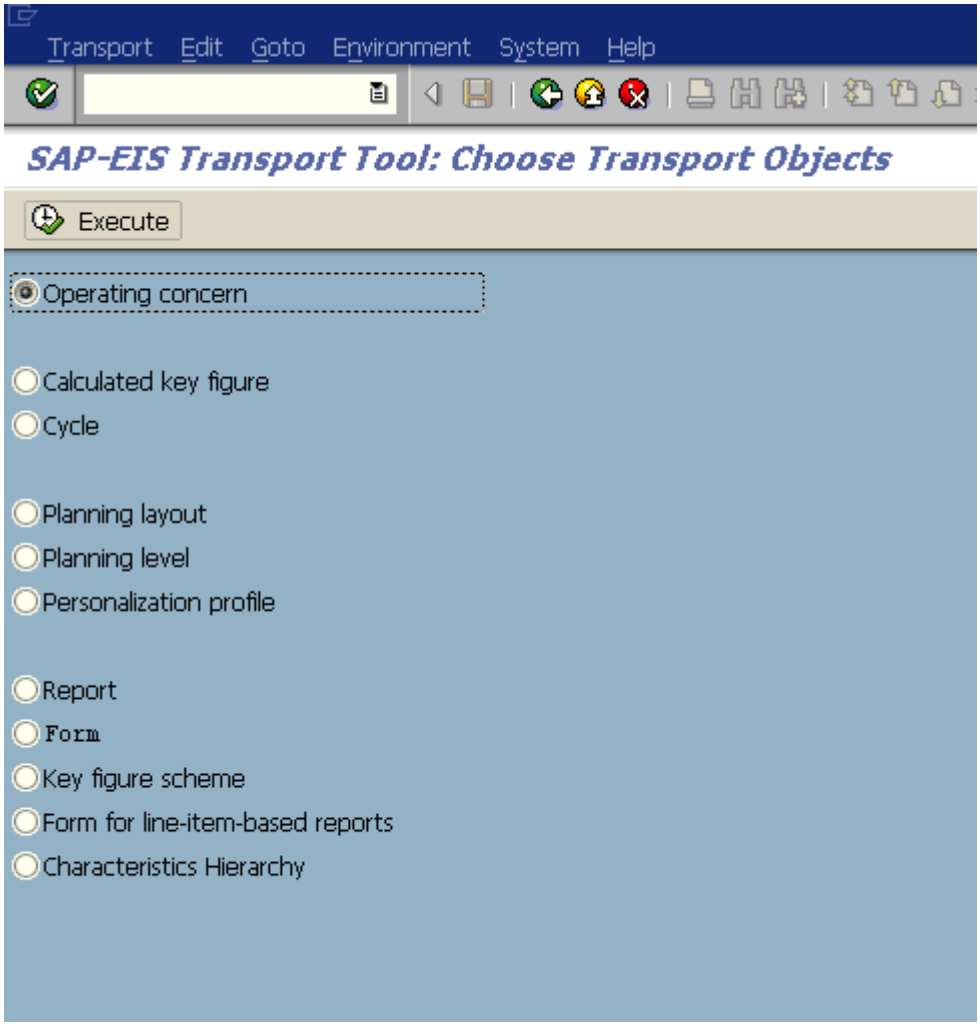
  Transport using "Structures: Number Range Groups" (operating concern).

- Information system definitions (except key figure schemes)

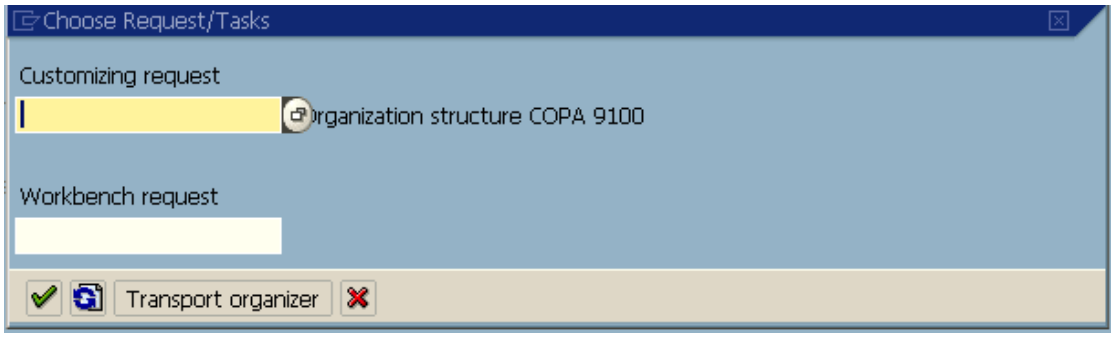
- Defining characteristic derivation and all rule-based settings (such as the costing key assignment) and segment-specific settings in planning

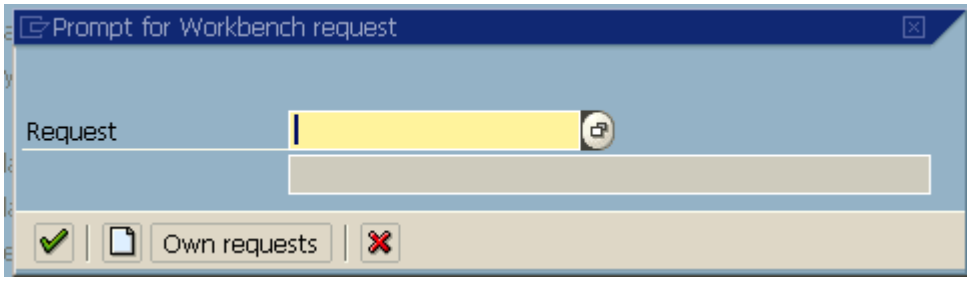
- Plan structures

All these settings needs to be transported using transaction code KE3I

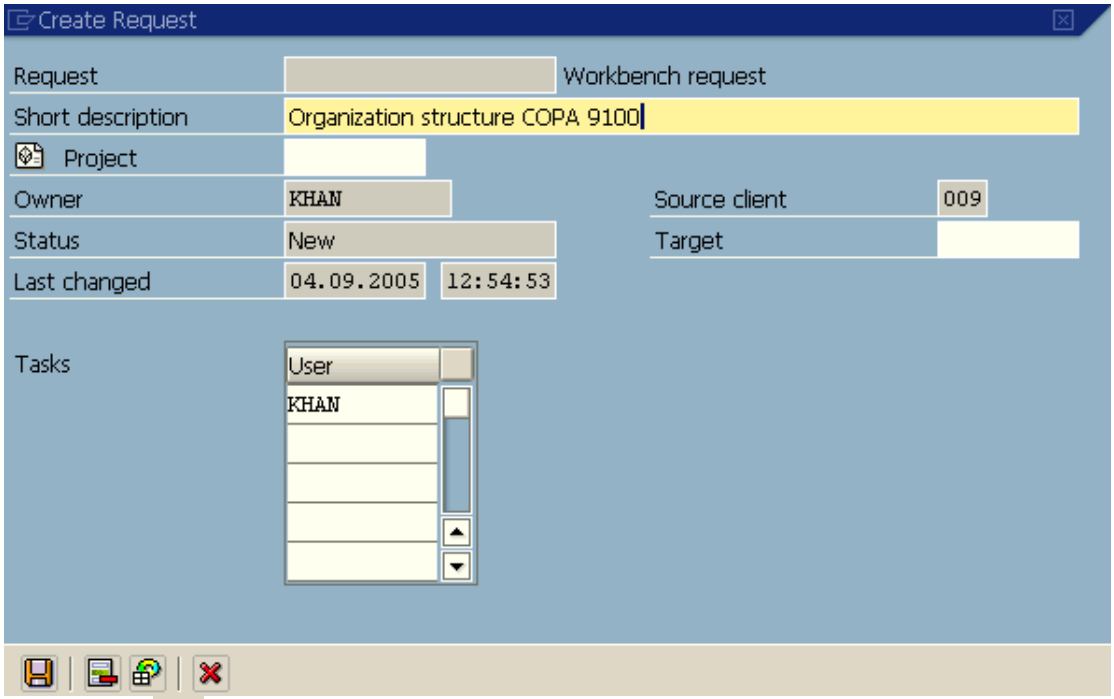


Click

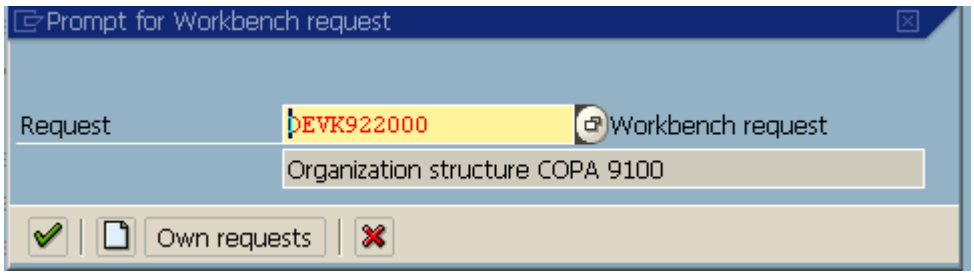


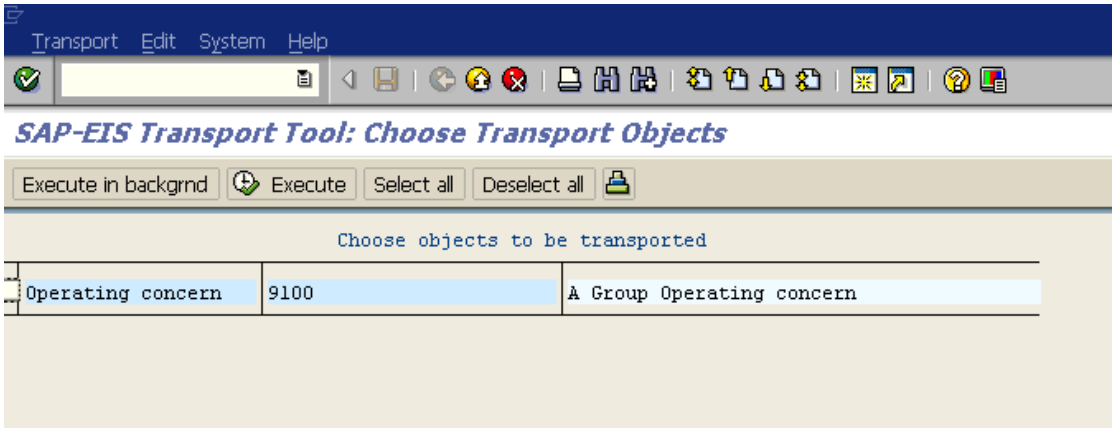


Click

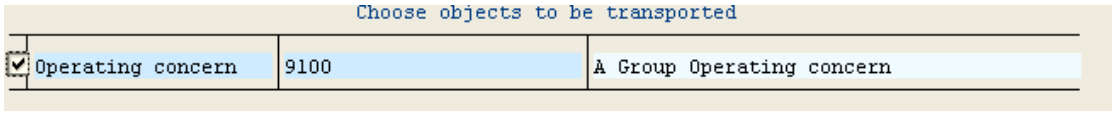


Click on

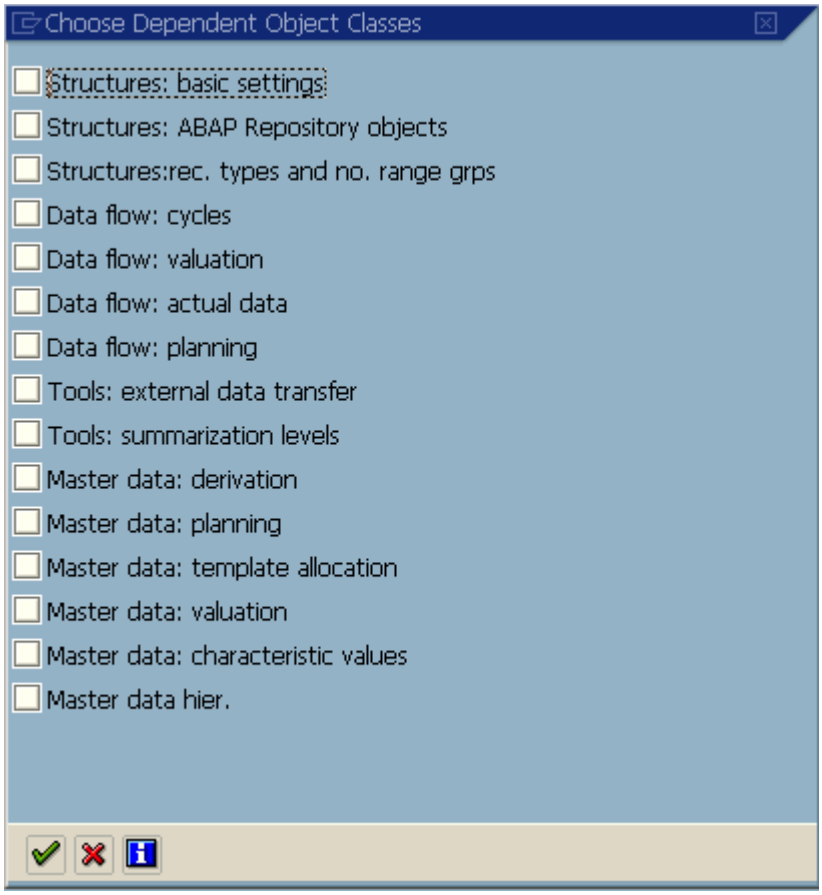




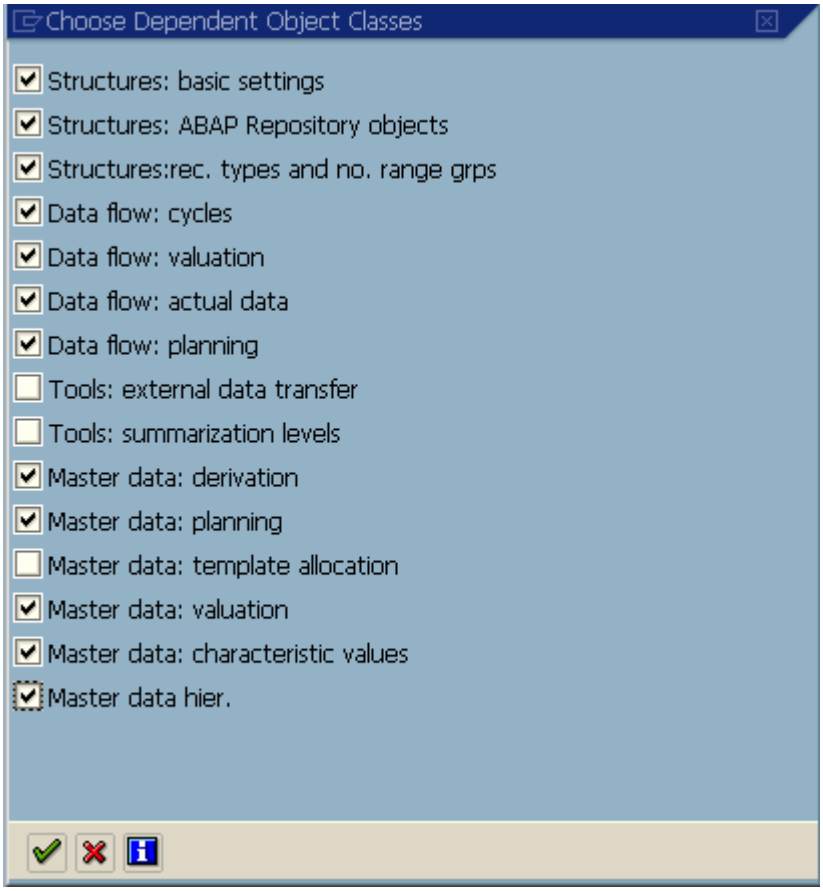
Select

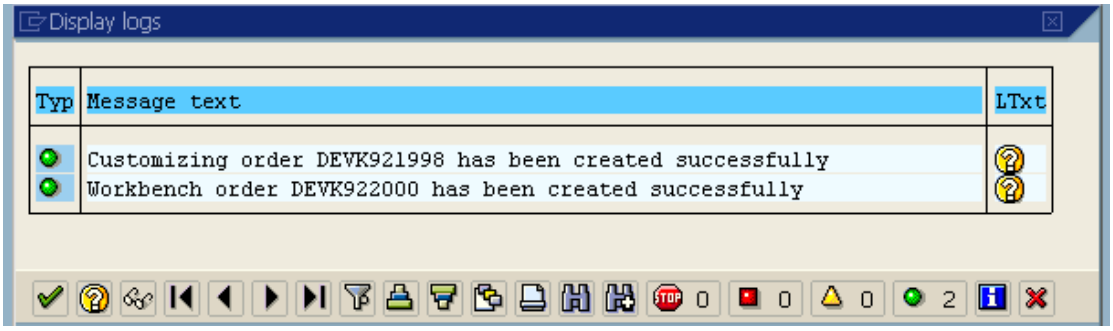


Click



Select





That brings us to an end of COPA customizing settings.