

SAP Report Painter

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INTRODUCTION

Report painter is the main tool for defining reports in the information system in controlling module.

All of the controlling reports (Cost center accounting, internal orders and profit center accounting) are created using report painter. You can also create reports in FI.

With Report Painter you can define reports quickly and easily across rows and columns.

You can use standard reports delivered by SAP as a base, copy them and do minor modifications, so as to suit your requirement.

Very often it is felt that the standard reports delivered by SAP do not meet the user's requirement. Therefore you need to create new reports.

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Scenario:

A Ltd. is allocating cost using distribution cycle for allocating cost between cost centers. If you recollect from what we learnt in the Cost center accounting configuration book distribution is a method of allocation which uses the original cost element for allocation between cost center.

The canteen cost center (1000) incurs various cost which are shown below under debit. This cost is allocated to the Admin cost center (1001) 40%, Engineering cost center (1002) 60%.

Canteen cost center 1000

Debit	\$	Credit	\$
450001 Salaries & Wages	100,000	450001 Salaries & Wages	100,000
460100 Groceries	400,000	460100 Groceries	400,000
	<u>500,000</u>		<u>500,000</u>

Engineering cost center incurs costs on Salaries and wages 200,000, spare parts etc (300,000). Further it receives cost from allocation from the Canteen cost center (60% broken down into Salaries & Wages 60,000 Groceries 240,000

Engineering cost center 1002

Debit	\$	Credit	\$
450001 Salaries & Wages	260,000		
(200,000 + 60,000)			
460100 Groceries	240,000		
470100 Spare parts	300,000		
	<u>800,000</u>		

If you see above in the engineering cost center (which is the receiver cost center) the salaries costs have got merged 260,000 (Cost incurred by it 200,000 which is a primary cost and cost received from the engineering cost center 60,000 which is a secondary cost center)

You are not able to see the above break up.

In SAP, a standard report is available which tries to give a break up.

The name of the transaction code is:-

S_ALR_87013615 - Cost Centers: Breakdown by Partner

The output of the report looks like this:-

Report Edit Goto View Extras Settings System Help				
Breakdown by partner				
Breakdown by partner		Date: 27.11.2005	Page: 2 / 2	
Cost center/Group 2-1110		Executive Board	Column: 1 / 2	
Responsible person Richard				
Reporting period 1 to 12 2005				
Cost elements/Partner object	Act. costs	Plan costs	Abs. var.	Var. (%)
* 430000 Salaries - base wages		703.192,80	703.192,80-	100,00-
		703.192,80	703.192,80-	100,00-
		92.204,36	92.204,36-	100,00-
* 435000 Annual Bonus		92.204,36	92.204,36-	100,00-
		2.712,12	2.712,12-	100,00-
* 449000 Other personnel costs		2.712,12	2.712,12-	100,00-
		10.189,48	10.189,48-	100,00-
* 466000 Insurance expenses		10.189,48	10.189,48-	100,00-
		3.596,28	3.596,28-	100,00-
* 473000 Postage		3.596,28	3.596,28-	100,00-
CTR 2-1210 Telephone		16.191,60	16.191,60-	100,00-
* 473120 Telephone Usage		16.191,60	16.191,60-	100,00-
		65.091,60	65.091,60-	100,00-
* 474100 Travel Exp. LSA		65.091,60	65.091,60-	100,00-
		10.788,96	10.788,96-	100,00-
* 476000 Office supplies		10.788,96	10.788,96-	100,00-
		4.795,04	4.795,04-	100,00-
* 476500 Misc. admin. costs		4.795,04	4.795,04-	100,00-
		11.987,68	11.987,68-	100,00-
* 476900 Miscellaneous costs		11.987,68	11.987,68-	100,00-
** Debit		920.749,92	920.749,92-	100,00-
*** Over/underabsorption		920.749,92	920.749,92-	100,00-

The above report shows cost on the receiver cost center.

It shows its own cost and cost center received from other cost center.

If you notice all the cost elements are just showing blank blue lines. Whereas under Telephone you find CTR 2-1210 which is the sending cost center.

If you notice the report is very difficult to distinguish the primary and secondary costs.

The user wants to see them in columnar form primary and secondary costs.

Therefore we develop a new report for the user.

We will see how to go about creating the new report

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1. Libraries

Libraries is a base (or transfer structure) for Report Painter. In a Library you use a report table, which is defaulted by SAP and cannot be maintained. The Library provides a logical view of various database tables and includes all characteristics, key figures, and predefined columns.

In Cost Center Accounting, table **CCSS** is used as the transfer structure.

In a library, you collect the characteristics, key figures, and predefined columns from the report table, which you need for your Report Painter reports. The table name is stored in the header of each library.

The fields from these libraries are used in creation of a report.

The Path to display a Library is as follows :-

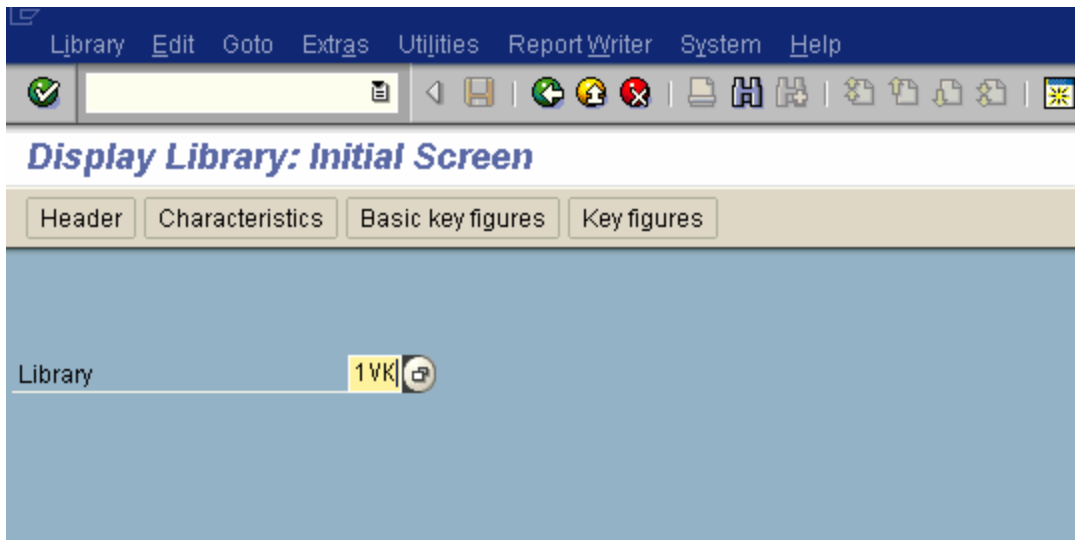
SAP Standard Menu → Accounting → Controlling → Cost Center Accounting → Information system → Tools → Report Painter → Report Writer → Library → GR23 - Display

or

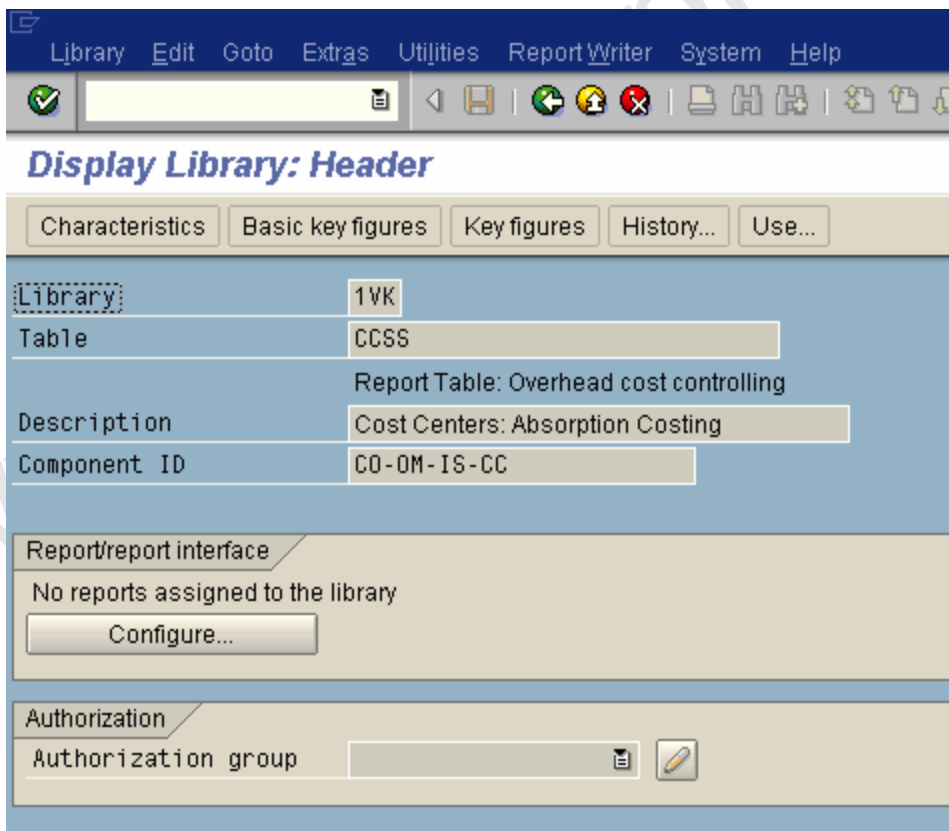
SAP standard menu → Information Systems → Ad Hoc Reports → Report Painter → Report Writer → Library → GR23 – Display

Let us see the Library 1VK which we are going to use for creating a report:-

Update the following:-



Click 



Click

Characteristics

Library Edit Goto Extras Utilities Report Writer System Help

Display Library: Characteristics

Set Header Basic key figures Key figures

Library 1VK

Table CCSS Report Table: Overhead cost controlling

Description Cost Centers: Absorption Costing

Name	Default set	Short text	Pos
<input checked="" type="checkbox"/> KOKRS		Controlling area	1
<input checked="" type="checkbox"/> KOSTL	01010001000...	Cost center	2
<input checked="" type="checkbox"/> KSTAR		Cost element	3
<input checked="" type="checkbox"/> AUFNR		Order number	4
<input checked="" type="checkbox"/> POSID		Work breakdown structure element (WBS element)	5
<input checked="" type="checkbox"/> LSTAR		Activity Type	6
<input checked="" type="checkbox"/> STAGR		Statistical key figure	7
<input checked="" type="checkbox"/> GJAHR		Fiscal year	8
<input checked="" type="checkbox"/> PERBL		Period	9
<input checked="" type="checkbox"/> WRTTP		Value type	10
<input checked="" type="checkbox"/> VERSN		Version	11
<input checked="" type="checkbox"/> VALUTYP		Valuation	12
<input checked="" type="checkbox"/> BELKZ		CO debit/credit indicator	13
<input checked="" type="checkbox"/> VRGNG		CO business transaction	14
<input checked="" type="checkbox"/> PKSTL		Partner cost center	15
<input checked="" type="checkbox"/> PAFNR		Partner order number	16
<input checked="" type="checkbox"/> PLSTR		Partner activity	17
<input checked="" type="checkbox"/> PAROB		Partner object	18
<input checked="" type="checkbox"/> POBART		Partner object type	19
<input checked="" type="checkbox"/> BUEKZ		Internal Business Volume Indicator (Cost Centers)	20

What are Characteristics?

Characteristics are non-numerical fields. They represent criteria, by which you can select data records. Examples of characteristics are the controlling area and fiscal year.

Important Characteristics:

Controlling Area (KOKRS)

Fiscal Year (GJAHR)

Period (PERBL)

Cost Element (KSTAR)

Cost Center (KOSTL)

Activity Type (LSTAR)

Statistical Key Figure (STAGR)

Value Type (WTTP): Indicator for distinguishing different value categories (such as actual costs, plan costs, target costs and so on) in database tables.

Version (VRSN): year-dependent indicators for plan data

Debit/Credit Indicator (CO): Indicator used to distinguish debit and credit postings in CO.

Click

Key figures

Library Edit Goto Extras Utilities Report Writer System Help

Display Library: Key Figures

Header Characteristics Basic key figures

Library 1VK

Table CCSS Report Table: Overhead cost controlling

Description Cost Centers: Absorption Costing

Key figures

Name	Description	Pos
<input checked="" type="checkbox"/> ISWK6	Actual costs	1
<input checked="" type="checkbox"/> ISWK6-LJ	Act.costs in curr.yr (CO crcy)	2
<input checked="" type="checkbox"/> ISWK6-VJ	Act.costs prev. yr in CO crcy	3
<input checked="" type="checkbox"/> ISWK6-P1	Tot. act. costs for curr. yr	4
<input checked="" type="checkbox"/> ISWK6-P2	Act. cumulative in curr. yr	5
<input checked="" type="checkbox"/> ISWK6-P3	Act. costs for curr. prd/yr	6
<input checked="" type="checkbox"/> ISWZ6	Act. costs in target currency	7
<input checked="" type="checkbox"/> PSWK6	Plan costs	8
<input checked="" type="checkbox"/> PSWK6-P1	Total plan costs in curr. year	9
<input checked="" type="checkbox"/> PSWK6-P2	Cumulative plan costs curr. yr	10
<input checked="" type="checkbox"/> PSWK6-P3	Plan costs curr.yr, curr. per.	11
<input checked="" type="checkbox"/> ISME6	Actual quantity	12
<input checked="" type="checkbox"/> PSME6	Planned quantity	13
<input checked="" type="checkbox"/> ISLST	Actual activity	14
<input checked="" type="checkbox"/> PSLST	Planned activity	15
<input checked="" type="checkbox"/> PSLST-P2	Cumulative plan activity	16
<input checked="" type="checkbox"/> PSDIS	Planned scheduled activity	17
<input checked="" type="checkbox"/> PSKAP	Planned capacity	18
<input checked="" type="checkbox"/> ISSME	Actual statistical key figures	19
<input checked="" type="checkbox"/> PSSME	Statistical key figures, plan	20

What are Key figures?

Key figures are numeric fields, which can be evaluated in a report. Examples include overall costs and activity quantities.

Key Figures:

Costs (SWKG): The controlling area currency is the currency used for cost accounting in CO.

Costs in Object Currency (SWOG): The object currency is the currency defined in the master record of a Controlling object

Costs in Transaction Currency (SWTG): The transaction currency is the currency in which the given documents are posted.

Activity Quantity (SLST): Posted quantities for activity types

Statistical Quantity (SSME): Posted quantities for statistical key figures

Click

Basic key figures



Display Library: Basic Key Figures

Header Characteristics Key figures

Library: 1VK
 Table: CCSS Report Table: Overhead cost controlling
 Description: Cost Centers: Absorption Costing

Basic key figures

Name	Description	Pos
<input checked="" type="checkbox"/> SWKG	Costs	1
<input checked="" type="checkbox"/> SMEG	Quantity	2
<input checked="" type="checkbox"/> SLST	Activity quantity	3
<input checked="" type="checkbox"/> SDIS	Scheduled activity quantity	4
<input checked="" type="checkbox"/> SKAP	Capacity	5
<input checked="" type="checkbox"/> SAUS	Output	6
<input checked="" type="checkbox"/> SSME	Statistical quantity	7
<input checked="" type="checkbox"/> SCKG	Costs in CO area currency	8
<input checked="" type="checkbox"/> SWOG	Total costs in object currency	9
<input checked="" type="checkbox"/> SWTG	Total costs in trans. currency	10
<input checked="" type="checkbox"/> SWPG	Costs projected in CO crcy	11
<input checked="" type="checkbox"/> SWZG	Total costs in target currency	12
<input checked="" type="checkbox"/> SPAG	Price variance	13
<input checked="" type="checkbox"/> SWKGS	Secondary costs	14
<input type="checkbox"/> AWKF	Fixed variance/accrual	0
<input type="checkbox"/> AWKG	Variance/accrual costs	0
<input type="checkbox"/> AWKV	Variable variance/accrual	0
<input type="checkbox"/> AWOG	Variance/accrual costs in OC	0
<input type="checkbox"/> AWTG	Variance/accrual costs in TC	0
<input type="checkbox"/> BWKFI	Act.variance fix -> line items	0

Header

Click on

Library Edit Goto Extras Utilities Report Writer System Help

Display Library: Header

Characteristics Basic key figures Key figures History... Use...

Library: 1VK

Table: CCSS

Description: Report Table: Overhead cost controlling
Cost Centers: Absorption Costing

Component ID: CO-OM-IS-CC

Report/report interface

No reports assigned to the library

Configure...

Authorization

Authorization group

Click Use...

Use of library 1VK

Report	Par.Rep.	RGrp	Title
1AIP-001			1AIP Area: Cost elements
1EP1-001			1EP1 Cost Centers: Plan Line Items
1EPL-001			1EPL Activity Types: Plan Line Items
1KMA-001			1KMA Stat. Key Figs: Period breakdown
1KMA-002			1KMA Stat. Key Figs: Period breakdown
1KSL-001			1KSL Area: Statistical key figures
1KSL-002			1KSL Area: Statistical key figures
1LKS-001			1LKS Activity Types: Reconciliation
1LLV-002			1LLV Activity Types: Plan receivers

Predefined columns consist of a key figure and one or more characteristics. They are used for the fast definition of frequently-used columns. Examples include total actual costs for the current fiscal year or plan fixed costs for the previous fiscal year.

The standard reports delivered with Cost Center Accounting are summarized in the following libraries:-

1VK library - Full cost methods

1GK library - Marginal cost

1AB library - Variance analyses

Standard Naming Procedure of Library:-

0	For SAP internal use only
1	Cost Center Accounting
2	LIS
3	LIS
4	FI-LC
5	Reconciliation Ledger
6	Overhead Orders and Project Mgmt
7	Product cost controlling
8	Profit center accounting
9	Activity Based costing

You can establish your own naming conventions for object names that do not begin with a numeral to create a Library.

2. Create Variable

SAP Easy access → Accounting → Controlling → Cost Center Accounting → Information system → Tools → Report Painter → Report Writer → Variable → GS11 - Create










We will create a variable for cost element group group CL. Cost element group CL is a grouping of all cost elements grouped according to logical grouping. Revenues, Salaries & Wages, Logistical costs, Admin costs.

This cost element grouping will be in used in the report so as to show the grouping of costs. If you do not require any grouping of cost elements you need not create any variable.



Variable Edit Goto Extras Utilities Environment System Help

Variable Edit Goto Extras Utilities Environment System Help

Create Set Variable: Basic Data

Set variable	CE - PK	
Table	CCSS	Report Table: Overhead cost controlling
Field name	KSTAR	Cost element
Description	Cost element	
Default entries		
<input checked="" type="radio"/> All values		
<input type="radio"/> Default set		
Entry fields on selection screens		
<input checked="" type="radio"/> Set and value entry		
<input type="radio"/> Only set entry		
<input type="radio"/> Value entry only		
<input type="checkbox"/> Only replace with groups		
Authorization group		 

Create Set Variable: Basic Data

Set variable	CE-PK		
Table	CCSS	Report Table: Overhead cost controlling	
Field name	KSTAR	Cost element	
Description	Post element		
Default entries			
<input type="radio"/> All values <input checked="" type="radio"/> Default set CL All cost elements acc 'class'			
Entry fields on selection screens			
<input checked="" type="radio"/> Set and value entry <input type="checkbox"/> Only replace with groups <input type="radio"/> Only set entry <input type="radio"/> Value entry only			
Authorization group			

Click 

3. Create Report

Accounting → Controlling → Cost Center Accounting → Information System → Tools
→ Report Painter → GRR1 - Create

Report Painter functions similar to Report Writer, but is easier to use. Most of the functions found in Report Writer have been built into Report Painter; however, you do not need to be familiar with all Report Writer concepts such as Sets in order to use Report Painter.

Report Painter uses a graphical report structure, which forms the basis for your report definition and displays the rows and columns as they appear in the final report output.

Advantages of Report Painter are :-

Flexible and simple report definition

Report definition without using sets

Direct layout control: The report rows and columns are displayed for your report definition just as they appear in the final report output. This makes test runs unnecessary.

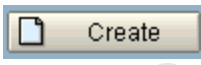
Let us now create a report in the report painter.

Report Painter: Create Report

Library	1VK	
Report	ZCC8-PK1	Cctr:primary/seconda

Create

Copy from
Report

Click on 

Update Section 0001

Report Painter: Create Report

Report Section: ZCC8-PK1 0001 Cctr:primary/seconda Prim/secodary split

Format group: 0 0 0 0

Lead column	Column 1	Column 2	Column 3	Column 4	...
Row 1	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Row 2	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Row 3	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
Row 4	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
.					
.					
.					
.					
.					
.					
.					
.					
.					
.					

Double click on Lead column

Report Painter: Create Report

Enter the texts

Short: Lead.col.

Medium: Lead column

Long: Lead column

Copy short text

Report Painter: Create Report

Enter the texts

Short

Medium

Long

☒ Copy short text ☐

Select element type

☐ Key figure with characteristics

☒ Predefined key figure

☒ ☐

Choose predefined column

☒ Actual costs

☐ Act.costs in curr.yr (CO crcy)

☐ Act.costs prev. yr in CO crcy

☐ Tot. act. costs for curr. yr

☐ Act. cumulative in curr. yr

☐ Act. costs for curr. prd/yr

☐ Act. costs in target currency

☐ Plan costs

☐ Total plan costs in curr. year

☐ Cumulative plan costs curr. yr

☐ Plan costs curr.yr, curr. per.

☐ Actual quantity

☒ ☐

Click 

Element definition: Actual costs

Basic key figure: Costs

Characteristic values


Name	From	text	To	text	More
Version	0				
Value type	4				
Partner obj...					

Available characteristics

- Name
- CO business transaction
- Partner cost center
- Partner order number
- Partner activity
- Partner object
- Internal Business Volume
- Resource
- Object type

Check Confirm

Update the following:-

[illegible]Click 

Enter texts

Enter the texts

Short Act Pr cos

Medium Actual Primary costs

Long Actual Primary costs

✓ Copy short text ✗

Click 

Double click

Column 2

Select element type

☐ Key figure with characteristics

☒ Predefined key figure

☐ Formula

☒ ☐

Choose predefined column

☒ Actual costs

☐ Act.costs in curr.yr (CO crcy)

☐ Act.costs prev. yr in CO crcy

☐ Tot. act. costs for curr. yr

☐ Act. cumulative in curr. yr

☐ Act. costs for curr. prd/yr

☐ Act. costs in target currency

☐ Plan costs

☐ Total plan costs in curr. year

☐ Cumulative plan costs curr. yr

☐ Plan costs curr.yr, curr. per.

☐ Actual quantity

☒ ☐

Click ☒

Click 



Element definition: Actual Secondary costs

Basic key figure: Costs

Characteristic values

Selected characteristics					
Name	From	text	To	text	
Version	0				
Value type	4				
Partner cost center					
Partner object type					
CO debit/credit indicat...					

Available characteristics	
Name	
Statistical key figure	
Valuation	
CO business transaction	
Partner order number	
Partner activity	
Partner object	
Internal Business Volumr	
Resource	
Object type	

Check Confirm  

KS – cost center

Element definition: Actual Secondary costs

Basic key figure: Costs

Characteristic values

Selected characteristics				Available characteristics			
Name	From	To		Name			
Version	0			Statistical key figure			
Value type	4			Valuation			
Partner cost center	*			CO business transaction			
Partner object type	KS			Partner order number			
CO debit/credit indicator	S			Partner activity			
				Partner object			
				Internal Business Volume			
				Resource			
				Object type			

Check Confirm

Click 

Enter texts

Enter the texts

Short: Act Sec co

Medium: Actu Secondary costs

Long: Actual Secondary costs

Copy short text

Click 

Click Confirm

Double click Column 3

Select element type

☐ Key figure with characteristics

☒ Predefined key figure

☐ Formula

☒ ☐

Choose predefined column

☐ Actual costs

☐ Act.costs in curr.yr (CO crcy)

☐ Act.costs prev. yr in CO crcy

☐ Tot. act. costs for curr. yr

☐ Act. cumulative in curr. yr

☐ Act. costs for curr. prd/yr

☐ Act. costs in target currency

☒ Plan costs

☐ Total plan costs in curr. year

☐ Cumulative plan costs curr. yr

☐ Plan costs curr.yr, curr. per.

☐ Actual quantity

☒ ☐

[illegible]

The screenshot shows the "Element definition: Plan costs" dialog box. The "Basic key figure" tab is active, showing "Costs". Under "Characteristic values", there are two tables:

- Selected characteristics:** A table with columns Name, From, To, and More. It contains one row: "Version" with value type "1" and "Value type" with value "1".
- Available characteristics:** A list of characteristics including "Name", "CO business transaction", "Partner cost center", "Partner order number", "Partner activity", "Partner object", "Partner object type" (highlighted), "Internal Business Volum...", "Resource", and "Object type".

Navigation buttons (back, forward, search) are visible between the two tables. At the bottom, there are buttons for "Check", "Confirm", and "Cancel".

Click

Update the following:-

[illegible]Click 

Enter texts

Enter the texts

Short PI primary

Medium PI primary

Long PI primary

✓ Copy short text ✗

Click

Double click	Column 4
--------------	----------

Select element type

☐ Key figure with characteristics

☒ Predefined key figure

☐ Formula

☒ ☐

Choose predefined column

☐ Actual costs

☐ Act.costs in curr.yr (CO crcy)

☐ Act.costs prev. yr in CO crcy

☐ Tot. act. costs for curr. yr

☐ Act. cumulative in curr. yr

☐ Act. costs for curr. prd/yr

☐ Act. costs in target currency

☒ Plan costs

☐ Total plan costs in curr. year

☐ Cumulative plan costs curr. yr

☐ Plan costs curr.yr, curr. per.

☐ Actual quantity

☒ ☐

Update the following :-

The screenshot shows the "Element definition: Plan secondary costs" window. The "Basic key figure" field contains "Costs". The "Characteristic values" tab is active, displaying a table of selected characteristics.

	Name		From	text		To	text	More
<input type="checkbox"/>	Version	<input checked="" type="checkbox"/>	1	VERP	<input type="checkbox"/>			
<input type="checkbox"/>	Value type	<input type="checkbox"/>	1		<input type="checkbox"/>			
<input type="checkbox"/>	Partner cost...	<input type="checkbox"/>	*		<input type="checkbox"/>			
<input type="checkbox"/>	Partner obj...	<input type="checkbox"/>	KS		<input type="checkbox"/>			
<input type="checkbox"/>	CO debit/cr...	<input type="checkbox"/>	S		<input type="checkbox"/>			
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								
<input type="checkbox"/>								

Below the table are navigation arrows and a search bar. To the right, the "Available characteristics" list includes:

- Name
- Valuation
- CO business transaction
- Partner order number
- Partner activity
- Partner object
- Internal Business Volum
- Resource
- Object type

At the bottom, there are icons for "Check", "Confirm", and other actions.

Enter texts

Enter the texts

Short Pl se cost

Medium Plan secondary costs

Long Plan secondary costs

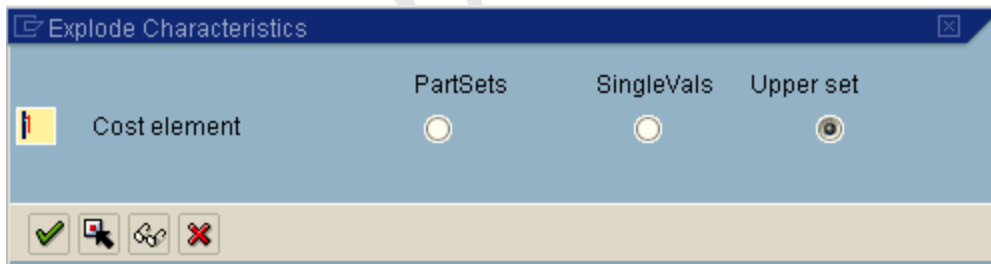
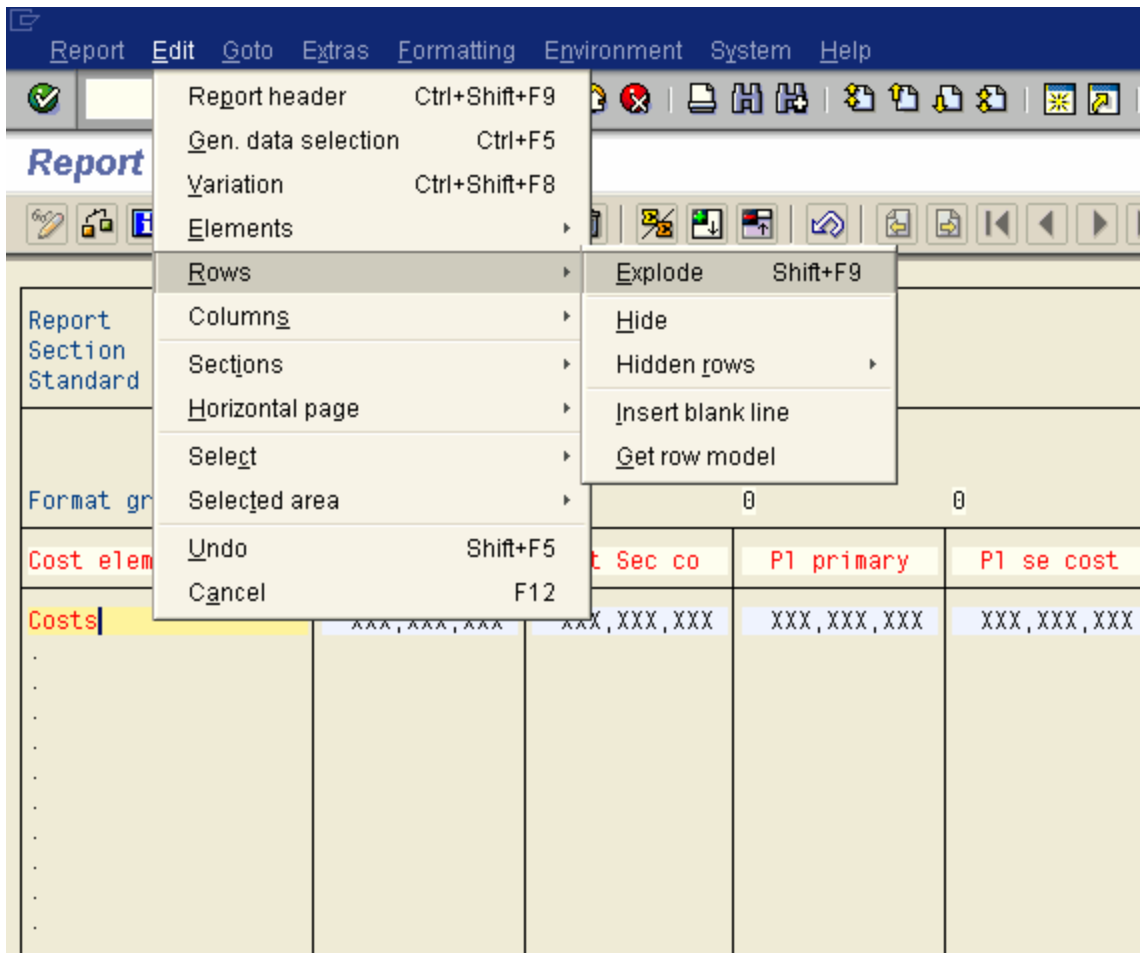
✓ Copy short text ✗

Confirm

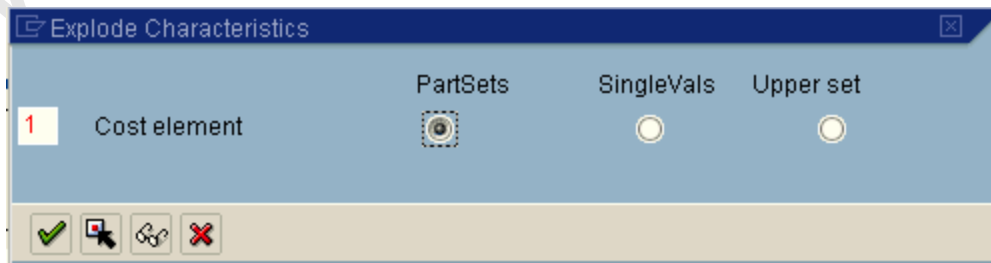


Confirm

Position the cursor on **Costs**



Select



Click 

Report Painter: Change Report					
<div>Report Edit Goto Extras Formatting Environment System Help</div> <div> </div>					
<div>Report ZCC8-PK1 Cctr:primary/seconda</div> <div>Section 0001 Prim/secondary split</div> <div>Standard layout SAP</div>					
Format group: 0 0 0 0					
Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se cost	
* Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Rebates, Discou	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Sales deduction	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* MM accounts (ga	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** MM accounts (ga	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Capitalized sel	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Capitalized sel	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Changes in inve	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Changes in inve	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Kosten gem## op	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Kosten gem## op	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* MM accounts (lo	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** MM accounts (lo	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Interim Cost El	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Interim Cost El	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Miscellaneous c	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Miscellaneous c	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	

We need to change the column width

Report Painter: Change

Report Section Standard layout

Format group:

Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se cost
* Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
** Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
** Rebates, Discou	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
* Sales deduction	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
** Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
** Other operating	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX
* MM accounts (ga	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX

Change Report 1VK ZCC8-PK1 Layout

Standard layout: SAP

Description: SAP standard layout

Page/control Rows Lead column Columns Column headings

Contents

- ☐ Description
- ☒ Key and description
- ☐ Characteristic name and key
- ☐ Key
- ☐ Short text
- ☐ Long text
- ☒ Automatic
- ☐ Group name

Indentation

- ☒ None
- ☐ 1 character
- ☐ 2 characters
- ☐ 3 characters
- ☐ Other value

Lead column

Width: 20

Position: 1

Miscellaneous

- ☒ Also underscore text
- ☒ Repeat lead column

Use standard layout

Change the Lead column width from 20 to 50

Change Report 1VK ZCC8-PK1 Layout

Standard layout: SAP

Description: SAP standard layout

Page/control Rows Lead column Columns Column headings

Contents

☐ Description
☒ Key and description
☐ Characteristic name and key
☐ Key

☐ Short text
☐ Long text
☒ Automatic

☐ Group name

Indentation

☒ None
☐ 1 character
☐ 2 characters
☐ 3 characters
☐ Other value

Lead column

Width: 50
 Position: 1

Miscellaneous

☒ Also underscore text
☒ Repeat lead column

☒ ☐ Use standard layout

Click 

Report Painter: Change Report					
Report ZCC8-PK1 Cctr:primary/seconda					
Section 0001 Prim/secondary split					
Standard layout SAP					
Format group: 0 0 0 0					
Cost element	Act Pr cos	Act Sec co	Pl primary	Pl se cost	
* Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Rebates, Discounts, Deductions	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Sales deduction	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Capitalized self-manufactured items	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Capitalized self-manufactured items	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Changes in inventory	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Changes in inventory	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Kosten gem## operativer T#tigkeiten	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Kosten gem## operativer T#tigkeiten	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Other operating expense	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Other operating expense	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* MM accounts (losses)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** MM accounts (losses)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Interim Cost Elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Interim Cost Elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
* Miscellaneous cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
** Miscellaneous cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	

Further we want to see individual cost centers rather than as a group

Report Edit Goto Extras Formatting Environment System Help

Report

Report Section Standard

Format gr

Cost elem

Report header Ctrl+Shift+F9

Gen. data selection Ctrl+F5

Variation Ctrl+Shift+F8

Elements

Rows

Columns

Sections

Horizontal page

Select

Selected area

Undo Shift+F5

Cancel F12

primary/seconda

m/secondary split

0 0 0

	Act Pr cos	Act Sec co	P1
* Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XX)
** Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XX)
* Rebates, Discounts, Deductions	XXX,XXX,XXX	XXX,XXX,XXX	XX)
** Sales deduction	XXX,XXX,XXX	XXX,XXX,XXX	XX)
* Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XX)
** Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XX)
* MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XX)
** MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XX)
* Capitalized self-manufactured items	xxx xxx xxx	xxx xxx xxx	xxx

Variation/Elimin. of Int. Business

	Explode	Sing. val.	Do not explode	Elimin.int.bus.
CO area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Cost center	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Fiscal year	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Period	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>

✓ ✗ ↺ ✖

Variation/Elimin. of Int. Business

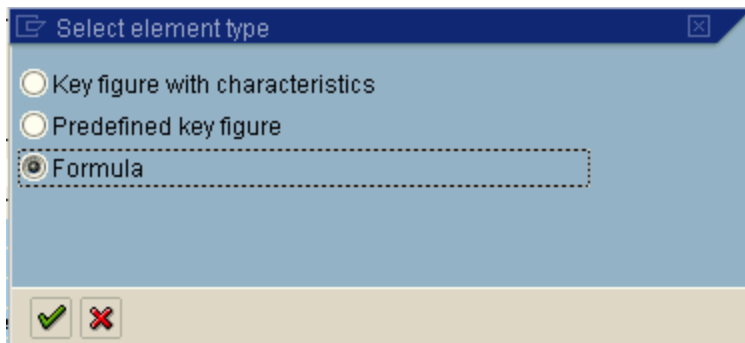
	Explode	Sing. val.	Do not explode	Elimin.int.bus.
CO area	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Cost center	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Fiscal year	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
Period	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>

✓ ✗ ↺ ✖

Click 

We want to add variance % columns for Primary cost (actual/plan) and Secondary costs(actual/plan).

Double click 





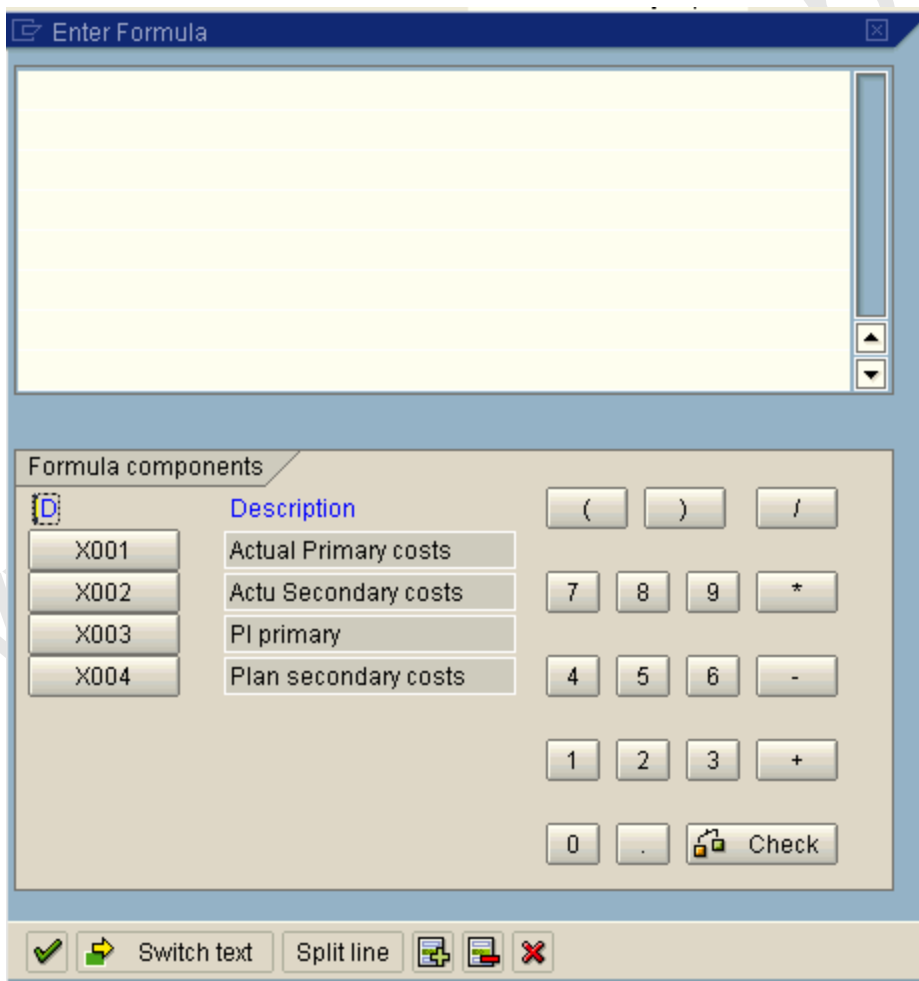
Select element type

☐ Key figure with characteristics

☐ Predefined key figure

☒ Formula



Enter Formula

Formula components


	Description
X001	Actual Primary costs
X002	Actu Secondary costs
X003	PI primary
X004	Plan secondary costs






() /

7 8 9 *

4 5 6 -

1 2 3 +

0 .  Check

  Switch text Split line   

Click

Again Click

Click

Click

Click

Click

Click Click Click

Pr Var.(%): Enter Formula

$((X001 - X003) / X003) * 100$

Formula components

ID	Description
X001	Actual Primary costs
X002	Actu Secondary costs
X003	PI primary
X004	Plan secondary costs
X006	Secondary Var %

() /

7 8 9 *

4 5 6 -

1 2 3 +

0 . Check

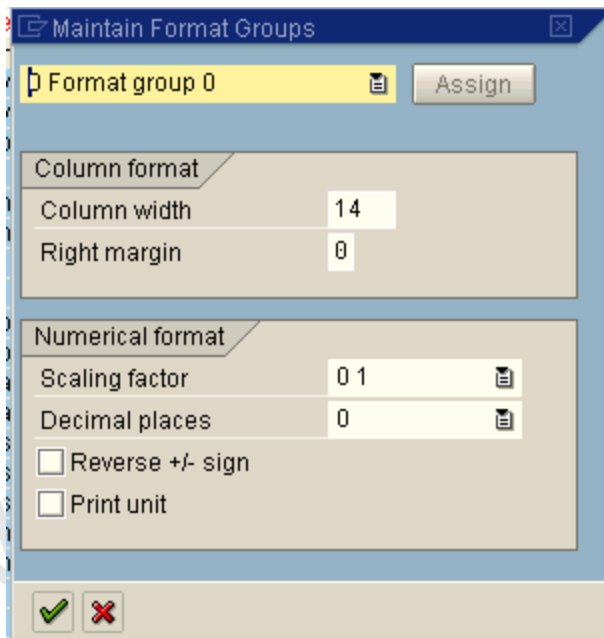
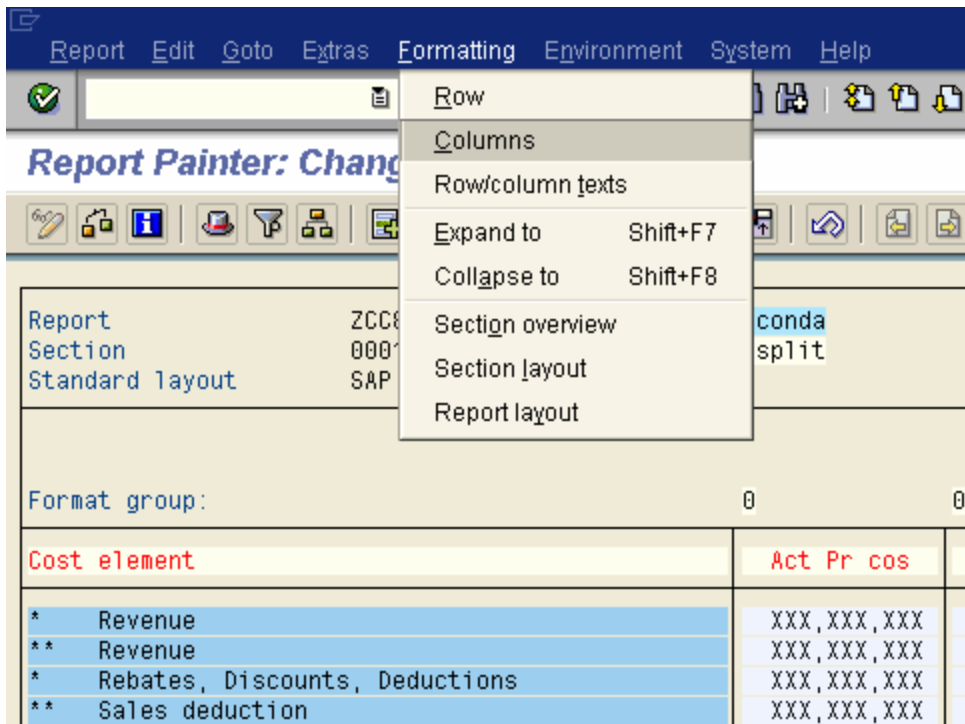
Switch text

You can even manually enter the above formula

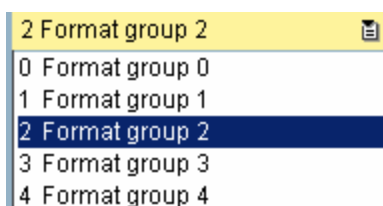
Click Check

Click

Update the following:-



Select



Decimal places	0
<input type="checkbox"/> Reverse +/- sign	0
<input type="checkbox"/> Print unit	1 0.0
	2 0.00

Maintain Format Groups

Format group 2

Assign

Column format

Column width 9

Right margin 0

Numerical format

Scaling factor 0 1

Decimal places 2 0.00

☐ Reverse +/- sign

☐ Print unit

✓ ✗

Click Assign

Click ✓

Double click

Select element type

☐ Key figure with characteristics

☐ Predefined key figure

☒ Formula

✓ ✗

Enter Formula

Formula components

	Description
X001	Actual Primary costs
X002	Actu Secondary costs
X003	Pl primary
X004	Plan secondary costs
X005	Primary Var.(%)

() /

7 8 9 *

4 5 6 -

1 2 3 +

0 . Check

✓ Switch text Split line

Let us type in manually now

Enter Formula

$((X002 - X004) / X004) * 100$

Formula components

ID	Description
X001	Actual Primary costs
X002	Actu Secondary costs
X003	PI primary
X004	Plan secondary costs
X005	Primary Var.(%)

() /

7 8 9 *

4 5 6 -

1 2 3 +

0 . Check

Switch text

Click Check

Update the following:-

Enter texts

Enter the texts

Short

Medium

Long

Copy short text

Report Edit Goto Extras Formatting Environment System Help

Report Painter: Change Report

Report ZCC8-PK1 Cctr:primary/seconda Horiz. Seite 1 / 1
Section 0001 Prim/secondary split
Standard layout SAP

Format group: 0 0 0 0 2 0

Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se cost	Pr Var. %	Sec Var %
* Technical spare parts	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Other (EDP)-Maintenance	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
** Facilities management expense	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* CL8 Beschaffung	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Warehousing	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Transport costs	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Sonstige logistische Dienstleistungen	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Technical Communications	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Informatics	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Information serv	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
** Logistics and information costs	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Waste disposal	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Water protection	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Noise control	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Air pollution control	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Or environmental protection costs	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Quality assurance	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Sicherh. und med. Betreu. f. Mitarbeiter	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
** Environ prot/qual assur/safety at w	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Lizenzgeb#hren PC-Software	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Leasing charges/rentals/room costs	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx
* Versicherungen	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	xxx,xxx,xxx.xx	*xxxxx.xx	xxx,xxx,xxx.xx

Now position the cursor on

Sec Var %

Click

Report Painter: Change Report		
Report	ZCC8-PK1	Cctr:primary/seconda
Section	0001	Prim/secondary split
Standard layout	SAP	
Format group:		
	0	0
Cost element	Act Pr cos	Act Sec
* Revenue	xxx,xxx,xxx	xxx,xxx,
** Revenue	xxx,xxx,xxx	xxx,xxx,

Maintain Format Groups

Format group 0

Assign

Column format

Column width 14

Right margin 0

Numerical format

Scaling factor 0 1

Decimal places 0

☐ Reverse +/- sign

☐ Print unit

☒ ☐

Maintain Format Groups

Format group 2

Assign

Column format

Column width 9

Right margin 0

Numerical format

Scaling factor 0 1

Decimal places 2 0.00

☐ Reverse +/- sign

☐ Print unit

☒ ☐

Click Assign

Click ☒

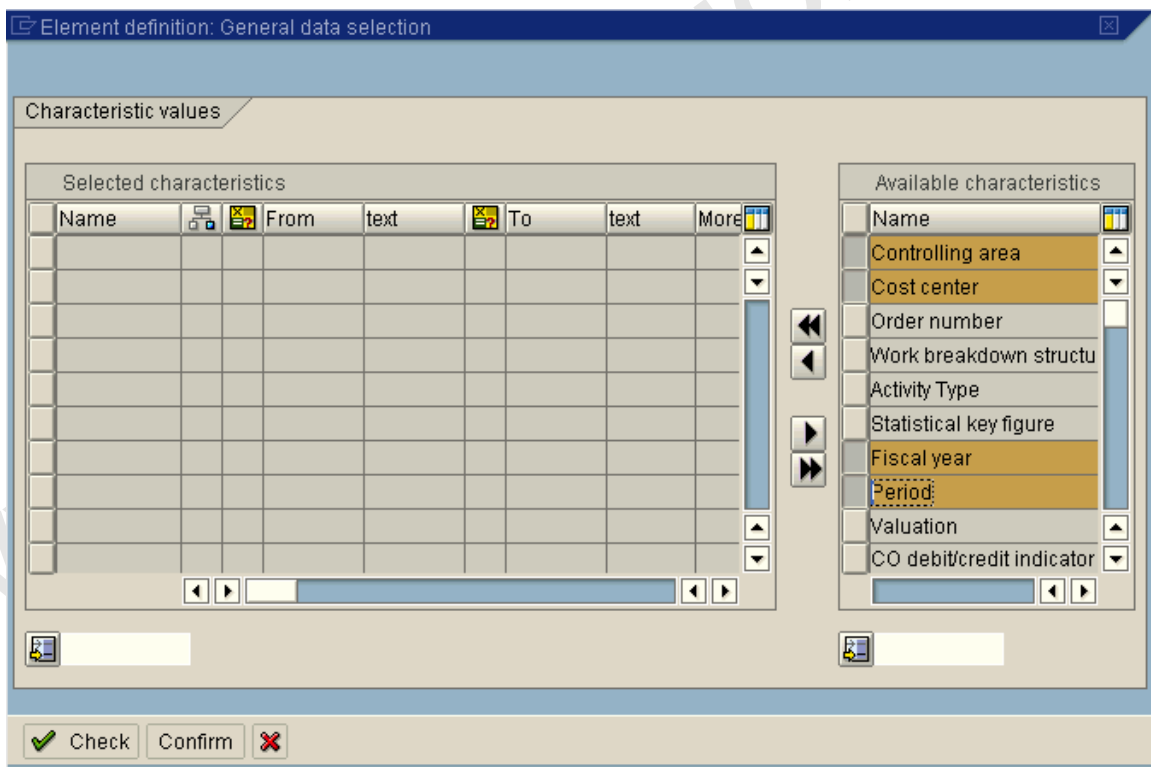
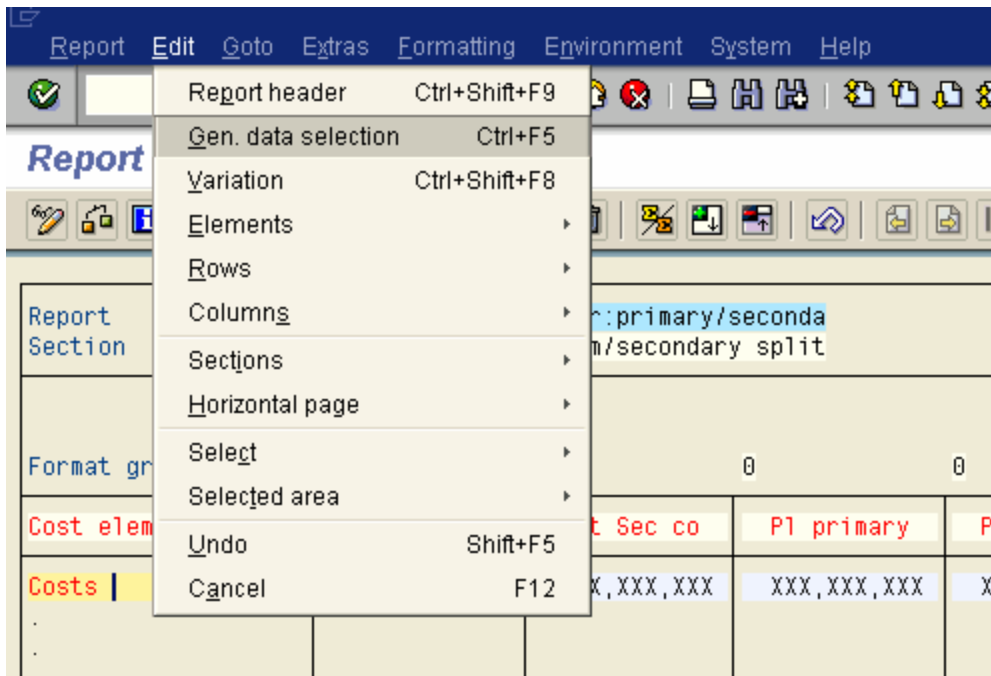
Report Edit Goto Extras Formatting Environment System Help

Report Painter: Change Report

Report ZCC8-PK1 Cctr:primary/seconda Horiz
 Section 0001 Prim/secondary split
 Standard layout SAP

Format group:	0	0	0	0	2
Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se cost	Pr. (%)
* Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Revenue	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Rebates, Discounts, Deductions	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Sales deduction	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Other operating income	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** MM accounts (gains)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Capitalized self-manufactured items	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Capitalized self-manufactured items	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Changes in inventory	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Changes in inventory	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Kosten gem## operativer T#tigkeiten	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Kosten gem## operativer T#tigkeiten	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Other operating expense	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Other operating expense	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* MM accounts (losses)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** MM accounts (losses)	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Interim Cost Elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Interim Cost Elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
* Miscellaneous cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
** Miscellaneous cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX
*** Cost elements	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	XXX,XXX,XXX	*XXXXXX.XX

Report Painter: Change Report



Click 

The screenshot shows the "Element definition: General data selection" window. It features two main panes: "Selected characteristics" on the left and "Available characteristics" on the right.

- Selected characteristics:** A table with columns: Name, From, text, To, text, More. The entries are:

Name		From	text	To	text	More
Controlling ...	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1KOKRE	Controlli...	<input type="checkbox"/>		▲
Cost center	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 1KOSET	Cost cent...	<input type="checkbox"/>		▼
Fiscal year	<input type="checkbox"/>	<input checked="" type="checkbox"/> 16JAHR	Fiscal Ye...	<input type="checkbox"/>		→
Period	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1PERIV		<input checked="" type="checkbox"/> 1PERIB		→
- Available characteristics:** A list box containing:
 - Name
 - Order number
 - Work breakdown structu
 - Activity Type
 - Statistical key figure
 - Valuation
 - CO debit/credit indicator
 - CO business transaction
 - Partner order number
 - Partner activity
 - Partner object

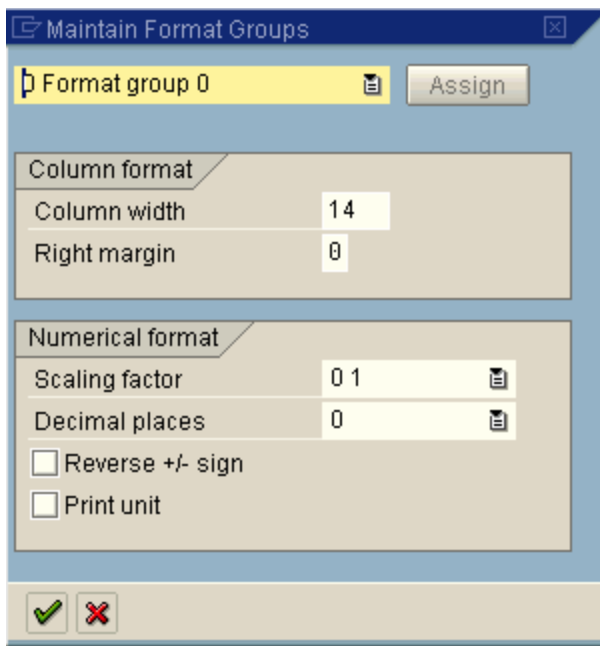
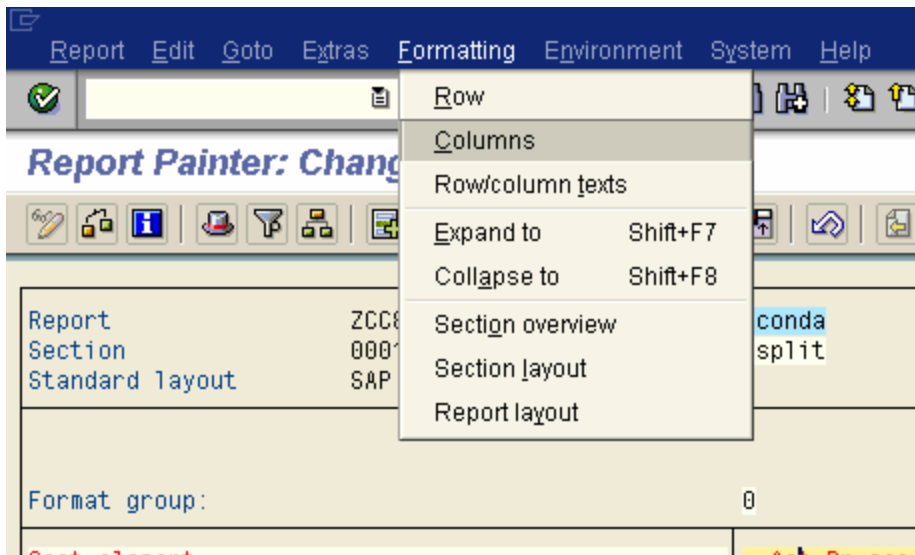
Navigation controls include arrows between the panes and at the bottom. At the very bottom, there are three buttons: "Check" (with a green checkmark), "Confirm" (with a blue checkmark), and a red X button.

Confirm

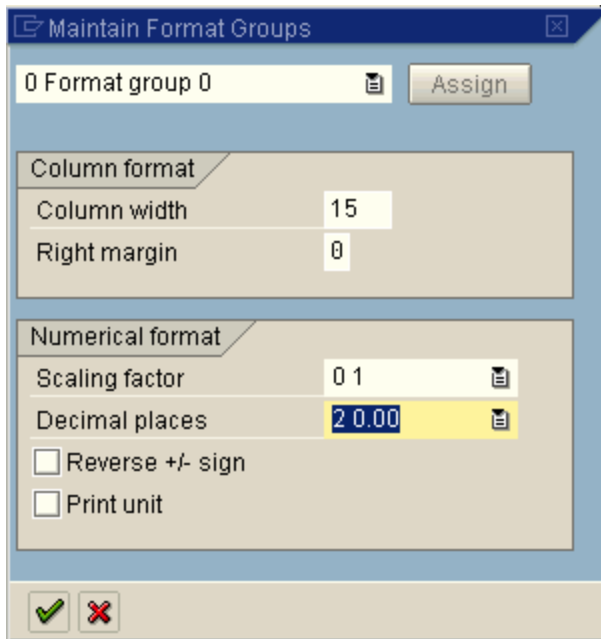
Click Click 

Position cursor on

Click



Change to following



The 'Maintain Format Groups' dialog box is shown. It has a title bar with a close button. Below the title bar, there is a text field containing '0 Format group 0' and an 'Assign' button. The dialog is divided into two main sections: 'Column format' and 'Numerical format'. The 'Column format' section contains 'Column width' set to '15' and 'Right margin' set to '0'. The 'Numerical format' section contains 'Scaling factor' set to '0 1', 'Decimal places' set to '2 0.00', and two checkboxes: 'Reverse +/- sign' and 'Print unit', both of which are unchecked. At the bottom of the dialog are 'OK' (green checkmark) and 'Cancel' (red X) buttons.

The report created need to be inserted in a report group:-

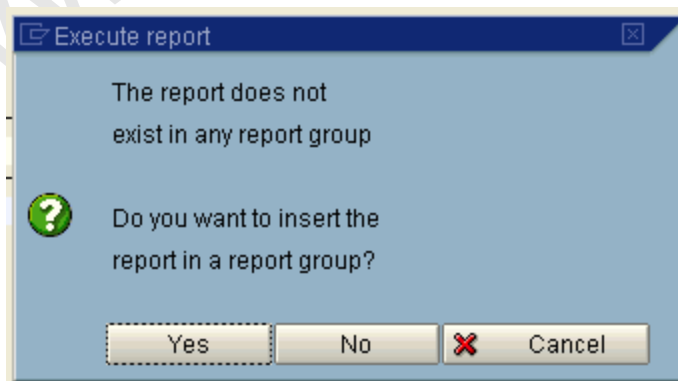
You can create a report group through transaction code GR51 – Create or you can directly create from here

Report group incorporate all the reports within a library that access similar data but format these data differently.

All reports within a report group are executed at the same time, thus giving you opportunity to jump between individual reports within the report display screen.

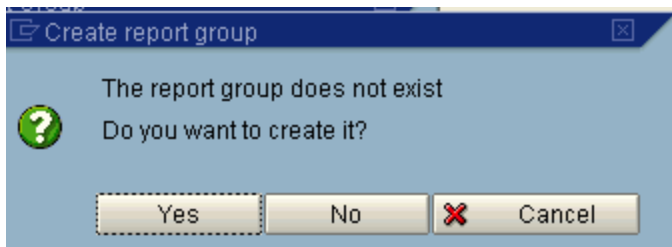
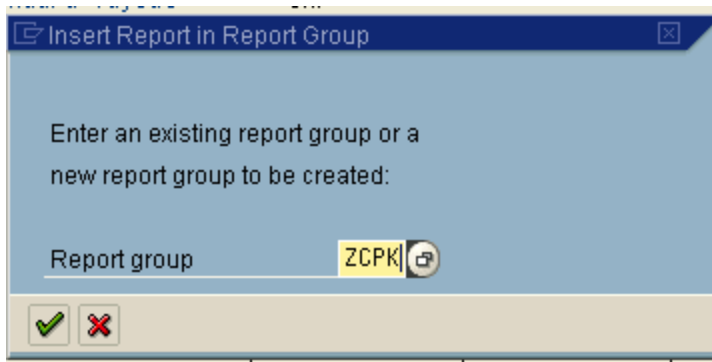
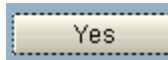
Generally there is one to one co-relation between report and report group.

Click 

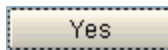


The 'Execute report' dialog box is shown. It has a title bar with a close button. The main text area contains the message 'The report does not exist in any report group'. Below this message is a question mark icon and the text 'Do you want to insert the report in a report group?'. At the bottom of the dialog are three buttons: 'Yes', 'No', and 'Cancel' (with a red X icon).

Click















Click






The report group is generated. It will take you to the following screen:-


Program Edit Goto Environment System Help



: Selection

   Output parameters... Data source... Extract parameters...

Selection values

Controlling area	9100	
Fiscal Year	2005	
From period	1	
To period	12	
Plan version	0	

Selection groups

Cost center group				
Or value(s)		to		
Cost elements	CL			
Or value(s)		to		

Click on the  to execute

Cctr:primary/seconda						
Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se cost	Pr Var. %	Sec Var. %
3335000 Gain Rets/sale FA	40,666.67-					
3370000 Write-backs of Intangibles	29,000.00-					
* Other operating income	69,666.67-					
** Other operating income	69,666.67-					
*** Cost elements	69,666.67-					
4335000 Loss Ret/sale FA	99,166.67					
4381020 Other bank charges						
4381030 Own bank charges						
* Other operating expense	99,166.67					
** Other operating expense	99,166.67					
4460000 VNG Scrap exp RM	100.00					
* MM accounts (losses)	100.00					
** MM accounts (losses)	100.00					
*** Cost elements	99,266.67					
6011000 Salaries	100,000.00		46,645,904.00	9,048,186.75	99.79-	100.00-
6012000 Wages - Hourly			5,969,164.00	3,710,973.00	100.00-	100.00-
6012500 "Bonuses, wages"			590,836.00	405,643.80	100.00-	100.00-
* Salaries, Remuneration	100,000.00		53,205,904.00	13,164,803.55	99.81-	100.00-
** Personnel expenses	100,000.00		53,205,904.00	13,164,803.55	99.81-	100.00-
6100000 Water - Overall			40,672.00	24,604.44	100.00-	100.00-
* Water			40,672.00	24,604.44	100.00-	100.00-
6120000 Electricity Overall			633,332.00	474,999.00	100.00-	100.00-
* Electricity			633,332.00	474,999.00	100.00-	100.00-
** Energy costs			674,004.00	499,603.44	100.00-	100.00-
6280000 Technical Spare Parts			642,332.00	131,499.00	100.00-	100.00-
* Technical parts			642,332.00	131,499.00	100.00-	100.00-
** Facilities management expense			642,332.00	131,499.00	100.00-	100.00-
6301000 RM Cons	219,883.73					
6301200 Sampling RM Cons	880.53					
6301210 Clinical samples	1,195,100.00		1,450,000.00		17.58-	
6303200 Sampling SFG Cons	222.42					
6306000 Non-Production goods	100.15					
* (Raw)Materials/Products	1,416,186.83		1,450,000.00		2.33-	
6319990 Other packaging Materials	67.49					

Clicking on  will open the cost center group screen on the left like this

Report Edit Goto View Extras Settings System Help

Cctr:primary/seconda

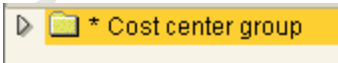
Column On/off

Variation: Cost center

* Cost center group

Cost element	Act Pr cos	Act Sec co	P1 primary	P1 se
3335000 Gain Rets/sale FA	40,666.67-			
3370000 Write-backs of Intangibles	29,000.00-			
* Other operating income	69,666.67-			
** Other operating income	69,666.67-			
*** Cost elements	69,666.67-			
4335000 Loss Ret/sale FA	99,166.67			
4381020 Other bank charges				
4381030 Own bank charges				
* Other operating expense	99,166.67			
** Other operating expense	99,166.67			
4460000 VNG Scrap exp RM	100.00			
* MM accounts (losses)	100.00			
** MM accounts (losses)	100.00			
*** Cost elements	99,266.67			
6011000 Salaries	100,000.00		46,645,904.00	9,048,
6012000 Wages - Hourly			5,969,164.00	3,710,
6012500 "Bonuses, wages"			590,836.00	495,
* Salaries, Remuneration	100,000.00		53,205,904.00	13,164,
** Personnel expenses	100,000.00		53,205,904.00	13,164,
6100000 Water - Overall			40,672.00	24,
* Water			40,672.00	24,
6120000 Electricity Overall			633,332.00	474,
* Electricity			633,332.00	474,
** Energy costs			674,004.00	499,
6280000 Technical Spare Parts			642,332.00	131,
* Technical parts			642,332.00	131,
** Facilities management expense			642,332.00	131,
6301000 RM Cons	219,883.73			
6301200 Sampling RM Cons	880.53			
6301210 Clinical samples	1,195,100.00		1,450,000.00	
6303200 Sampling SFG Cons	222.42			
6306000 Non-Production goods	100.15			
* (Raw)Materials/Products	1,416,186.83		1,450,000.00	
6319990 Other packaging Materials	67.49			

You can open the cost center group by double clicking



Let us now do some formatting for the report such as title header etc.

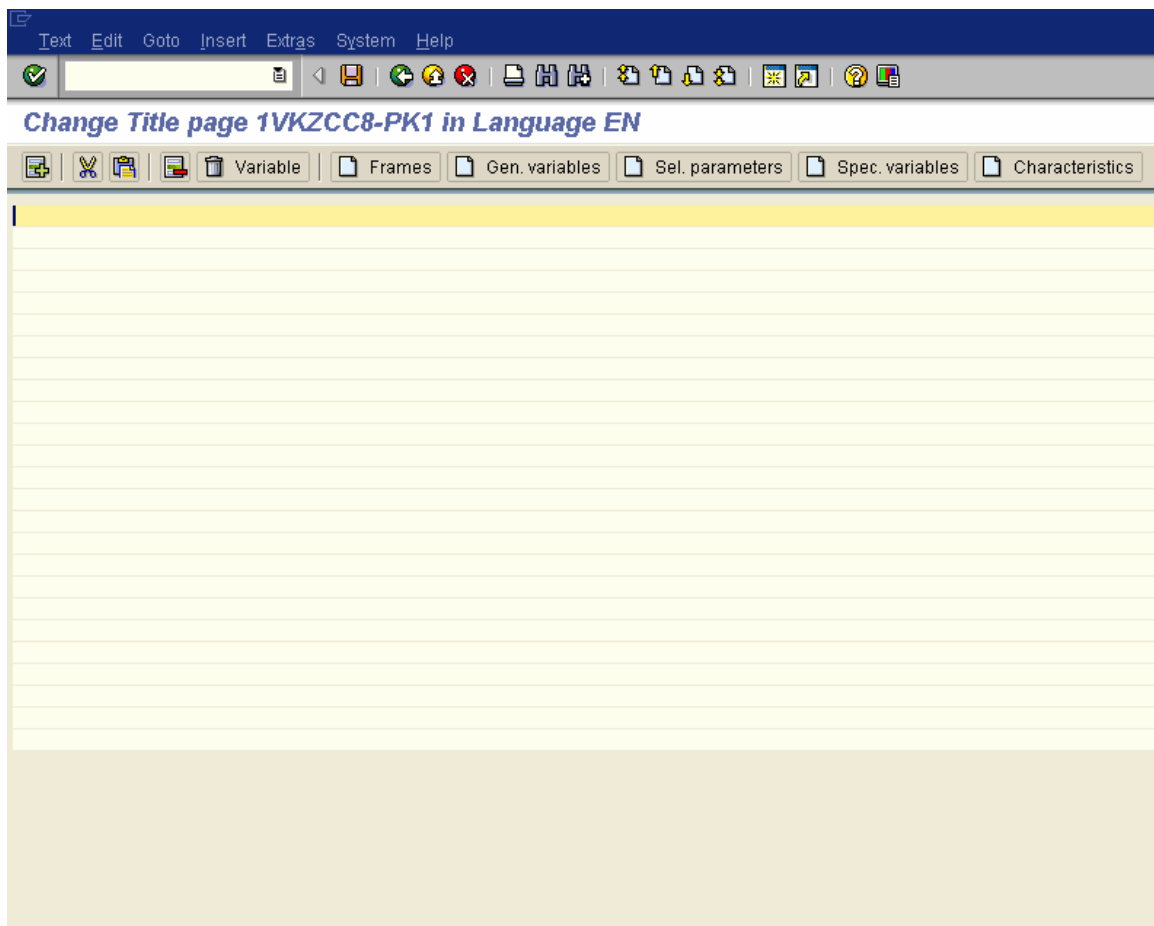
Report Edit Goto Extras Formatting Environment System Help

Report Painter:

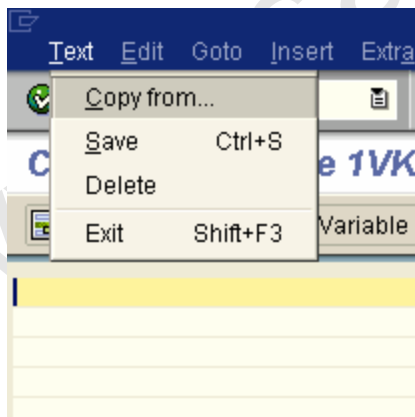
Report texts Documentation Overview Ctrl+F10

Title page Headers Footers End page Text for export

Report	ZCC8-PK1	Cctr:primary/seconda
Section	0001	Prim/secondary split
Standard layout	SAP	
Format group:	0	0
Cost element	Act Pr cos	Act Sec co



Click on



Copy text...

Library: 1VK

Report: ZCC8-PK1

Text type: T Title page

Language: EN English

✓ ✗

Update the following:-

Take a drop down in Report:-

Reference report (1) 68 Entries found

Restrictions

Library: 1VK

Report	Description	Author	Date	Origin
1S3W-001	Cost Centers: Currency translation	SAP	09.11.1995	P
1SBU-001	Cost Centers: Actual/plan net	SAP	23.06.1995	P
1SBU-002	Net area list	SAP	23.06.1995	
1SBU-003	Cost centers: Gross/net	SAP	23.06.1995	P
1SBU-004	Internal business volume in rows	SAP	23.06.1995	P
1SCO-001	Cost Centers: Object comparison	SAP	27.07.1995	P
1SDU-001	Average costs	SAP	14.02.1996	P
1SFO-001	Cost Centers: Projection	SAP	31.07.1995	P
1SGJ-001	Fiscal year comparison	SAP	31.07.1995	P
1SHK-001	Breakdown by partner	SAP	14.12.1995	P
1SHK-002	Partner object type	SAP	14.12.1995	P

Copy text...

Library: 1VK

Report: 1SHK-001

Text type: T Title page

Language: EN English

✓ ✗

Text Edit Goto Insert Extras System Help

Change Title page 1VKZCC8-PK1 in Language EN

Variable Frames Gen. variables Sel. parameters

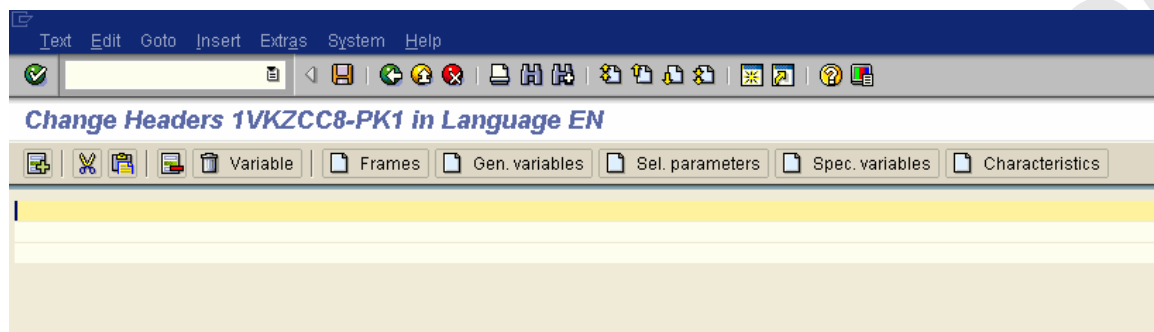
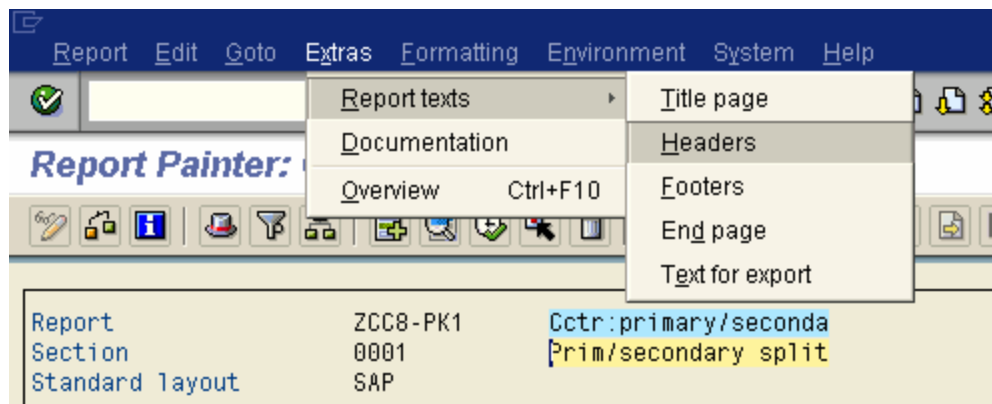
<Report na	<Report description>

Date:	<Date of s
Pages:	<To
Requested by:	<Name of use

Controlling area	<Con <Controlling area[Short text]>
Fiscal Year	<Fis
From period	<Fr
To period	<To
Plan version	<P1
Cost center/Group	<Cost center <Cost center/Group[Short text]>
Cost center/group	

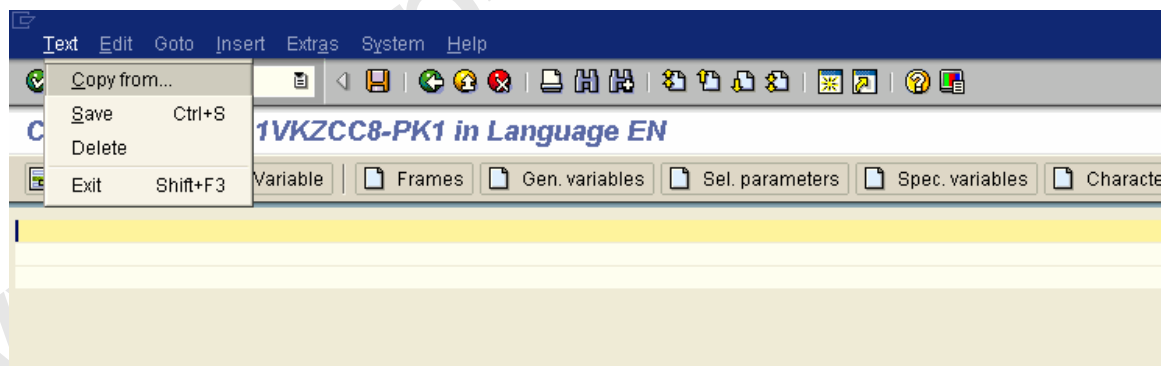
Click on 

Click on



Click on

New entries



Copy text...

Library	1VK
Report	ZCC8-PK1
Text type	H Headers
Language	EN English

✓ ✗

Update the following

Copy text...

Library	1VK
Report	SHK-001
Text type	H Headers
Language	EN English

✓ ✗

Text Edit Goto Insert Extras System Help

Change Headers 1VKZCC8-PK1 in Language EN

Variable Frames Gen. variables Sel. parameters Spec. variables Characteristics

<Report description>	Date: <Date of s	Page: <Pa / <To
		Column: <Nu / <To
Cost center/Group	<Cost center	<Cost center/Group[Short text]
Responsible person	<Person responsible>	
Reporting period	<Fr to	<To <Fis

Click on 

The Report is ready

Now we will go to the Report group

4. Report Group

SAP Easy access → Accounting → Controlling → Cost Center Accounting → Information system → Tools → Report Painter → Report Writer → Report group → GR52 – Change

Report groups incorporate all the reports within a library that access similar data but format these data differently.

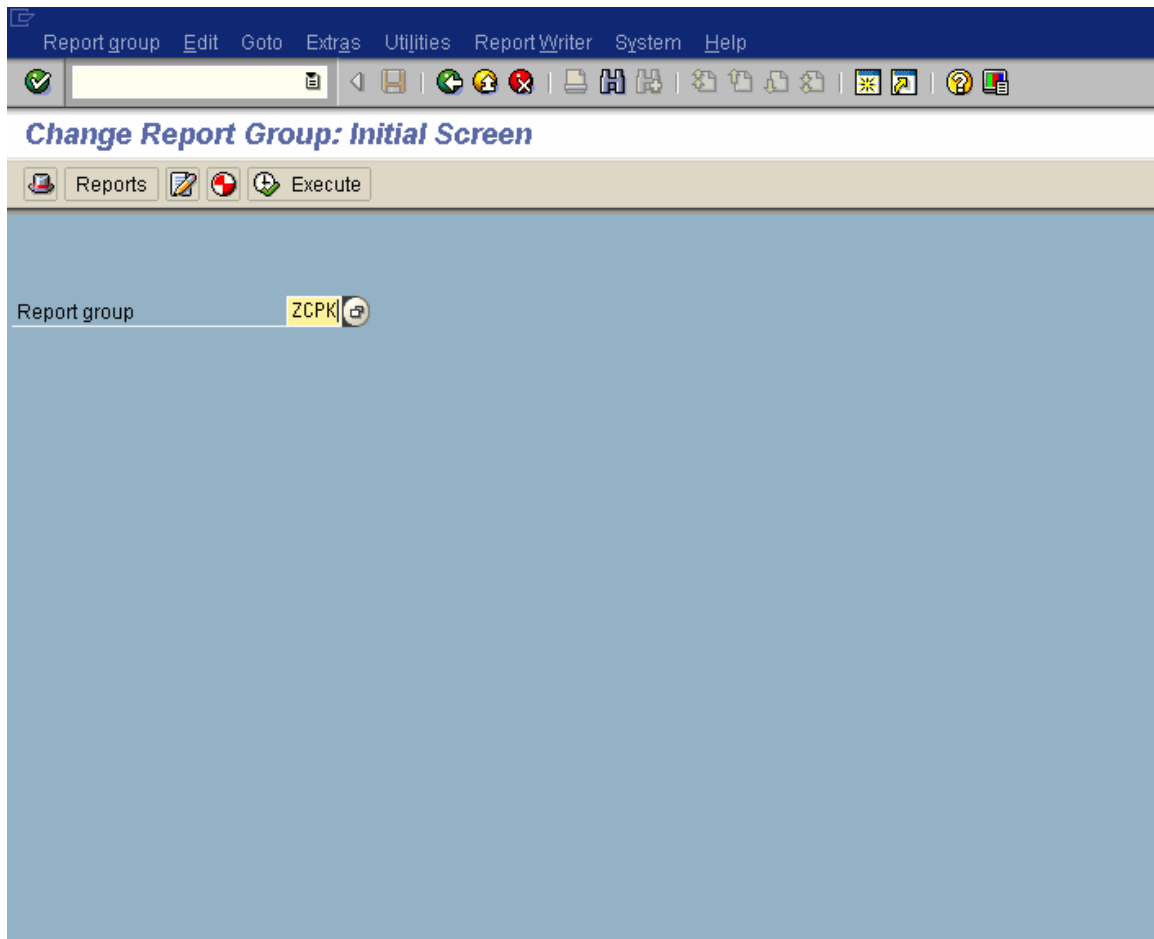
All reports within a report group are executed at the same time, thus giving you the opportunity to jump between individual reports within the report display screen.

Generally there is one to one co-relation between report and report group.

In this step we will also assign some additional reports and transaction codes, so that the user can drill down to these additional transaction or reports:-

We will assign:-

- 1) Transaction code - KSBP (Plan line items)
- 2) Transaction code – KSB1 (Actual line items)
- 3) Report group - 1SIP (actual/plan/variance)



Click enter.

Report group Edit Goto Extras Utilities Report Writer System Help

Change Report Group: Header

Reports History... Documentation

Library 1VK Cost Centers: Absorption Costing
Table CCSS Report Table: Overhead cost controlling

Report group ZCPK
Description

Status
Report group is currently generated

Generation Authorization
☐ Not automatic Authorization group

Report/report interface
No reports assigned to the report group
Configure...
No reports assigned to the library
Configure...

Update the description:-

Report group Edit Goto Extras Utilities Report Writer System Help

Change Report Group: Header

Reports History... Documentation

Library 1VK Cost Centers: Absorption Costing
Table CCSS Report Table: Overhead cost controlling

Report group ZCPK
Description CC Report Summ primary/secdry cost

Status
Report group is currently generated

Generation Authorization
☐ Not automatic Authorization group

Report/report interface
No reports assigned to the report group
Configure...
No reports assigned to the library
Configure...

Report/report interface
No reports assigned to the report group
Configure...

Click

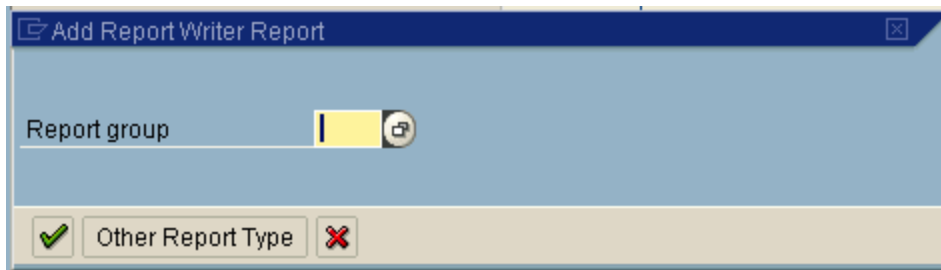
Assign Reports

Sender report
ZCPK

Description Receiver report

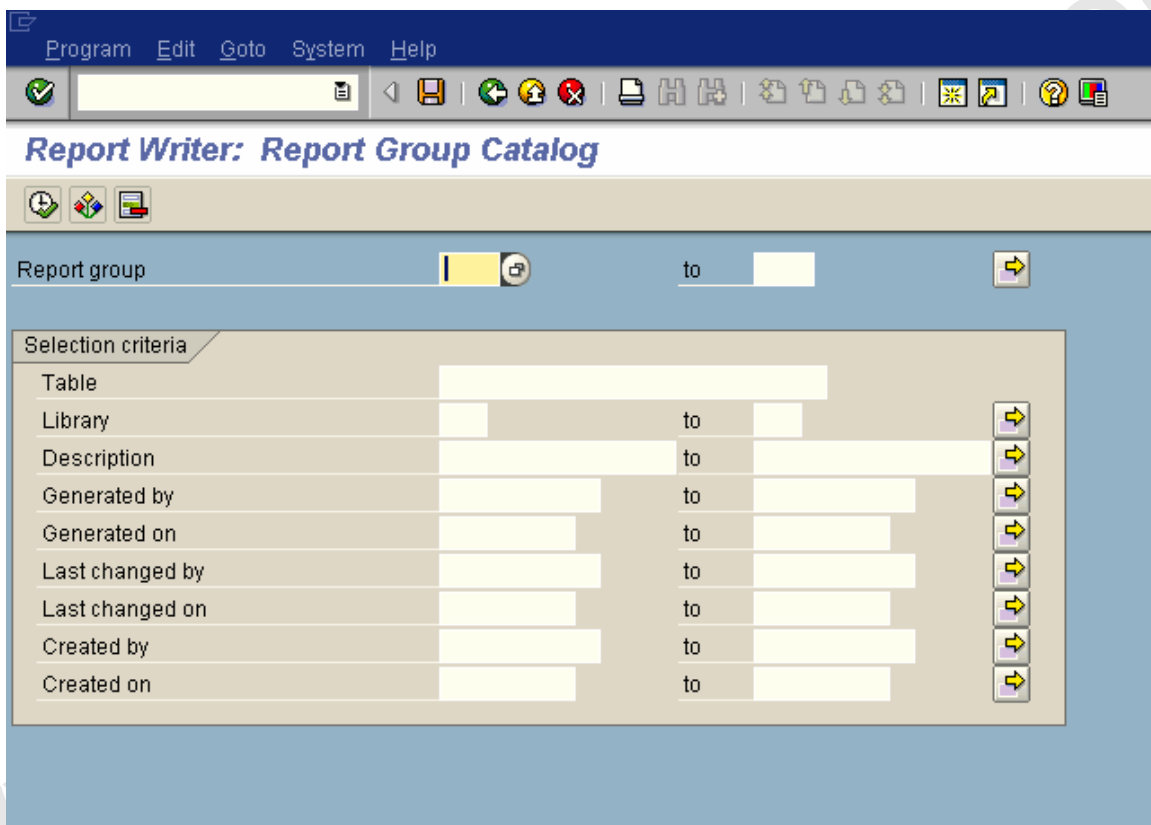
Sender<->Receiver Technical names on/off

Click 



The dialog box titled "Add Report Writer Report" has a "Report group" field with a dropdown arrow. At the bottom, there is a checked checkbox labeled "Other Report Type" and a red "X" button.

Take a drop down in Report group



The "Report Writer: Report Group Catalog" window features a menu bar (Program, Edit, Goto, System, Help) and a toolbar. Below the toolbar, there is a "Report group" field with a dropdown arrow and a "to" field. A "Selection criteria" section contains a table with various fields and their corresponding values, along with a column of right-pointing arrows.

Selection criteria			
Table			
Library		to	
Description		to	
Generated by		to	
Generated on		to	
Last changed by		to	
Last changed on		to	
Created by		to	
Created on		to	

Click 

List Edit Goto System Help			
Report Writer: 540 Report Groups			
Job			
RGrp	Description	Table	Lib
1SMB	CCtrs: Period breakdown act./target	CCSS	1GK
1SVH	Cost centers: Breakdown by b.trans.	CCSS	1GK
1SKS	Cost Centers: Cost component split	KKBE	1KS
1SLS	Cost Centers: Cost Component Split	KKBE	1KS
1OWC	OIW: Cost ctrs, costs, quantities	CCSS	1OW
1OWL	OIW: Cost ctrs, activity quantities	CCSS	1OW
1OWR	OIW: Cost centers, stat. key figs	CCSS	1OW
1SIT	Cost Centers: Act/target from summ.	CCSS	1RU
1AIP	Area: Cost elements	CCSS	1VK
1EP1	Cost Centers: Plan Line Items	CCSS	1VK
1EPL	Activity Types: Plan Line Items	CCSS	1VK
1KMA	Stat. Key Figs: Period breakdown	CCSS	1VK
1KSL	Area: Statistical key figures	CCSS	1VK
1LKS	Activity Types: Reconciliation	CCSS	1VK
1LLV	Activity Types: Plan receivers	CCSS	1VK
1LMA	Activity Types: Period breakdown	CCSS	1VK
1LMB	Activity types: Scheduled/plan	CCSS	1VK
1OAB	Cost Centers: Act./plan/commitments	CCSS	1VK
1OAL	Area: Actual/plan/commitments	CCSS	1VK
1S3P	Cost Centers: Curr./cum./total year	CCSS	1VK
1S3W	Cost Centers: Currency translation	CCSS	1VK
1SBU	Area: Internal business volume	CCSS	1VK
1SCO	Cost Centers: Object comparison	CCSS	1VK
1SDU	Cost Centers: Average costs	CCSS	1VK
1SFO	Cost Centers: Projection	CCSS	1VK
1SGJ	Cost Ctrs: Fiscal year comparison	CCSS	1VK
1SHK	Cost Centers: Breakdown by partner	CCSS	1VK
1SIP	Cost Centers: Actual/plan/variance	CCSS	1VK
1SKL	Area: Cost centers	CCSS	1VK
1SLB	Area: Activity types	CCSS	1VK
1SLK	CCtrs: Current period / cumulative	CCSS	1VK
1SMA	CCtrs: Period breakdown actual/plan	CCSS	1VK

Double click

1SIP	Cost Centers: Actual/plan/variance	CCSS	1VK
------	------------------------------------	------	-----

Add Report Writer Report

Report group 1SIP

☒ Other Report Type ☐

Assign Reports

Sender report (RW/ /ZCPK
ZCPK

Receiver report		Receiver
RW	1SIP	Post Cent

Sender<->Receiver Technical names on/off

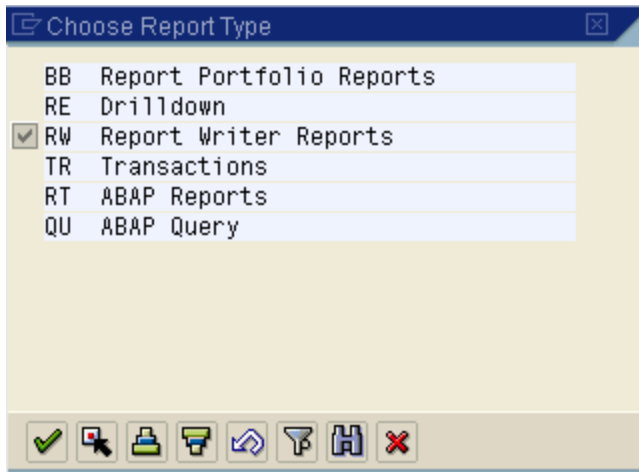
Click 

Add Report Writer Report

Report group 1SIP Cost Centers: Actual/plan/variance

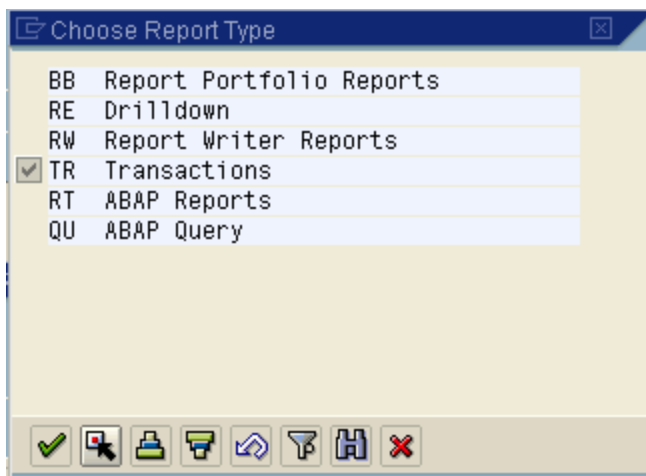
☒ Other Report Type ☐

Click ☐ Other Report Type

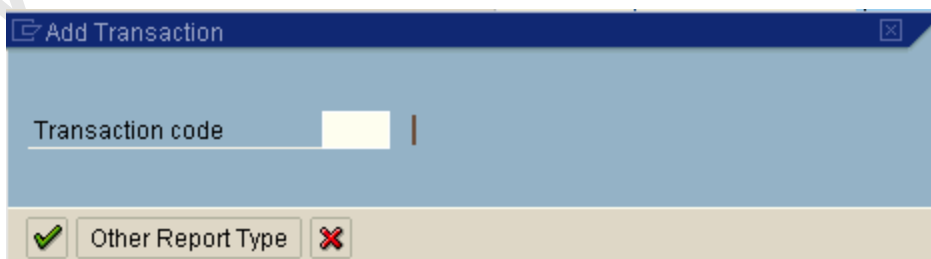


Click **TR** Transactions

Click



Click



Update the following:-

Add Transaction

Transaction code

☒ Other Report Type ☐

Assign Reports

Sender report (RW/ /ZCPK
ZCPK

Receiver report			Receiver
TR		KSB1	Cost Cent
RW		1SIP	Cost Cent

Sender<->Receiver Technical names on/off



Add Transaction

Transaction code Cost Centers: Actual Line Items
KSB1

☒ Other Report Type ☐

Assign Reports

Sender report (RW/ /ZCPK
ZCPK

Receiver report			Receiver
TR		KSBP	Cost Cent
TR		KSB1	Cost Cent
RW		1SIP	Cost Cent

Sender<->Receiver Technical names on/off

Scroll to the right

Assign Reports

PK)

	Receiver report
	Cost Centers: Plan Line Items
	Cost Centers: Actual Line Items
	Cost Centers: Actual/plan/variance

Sender<->Receiver Technical names on/off

Click 

Report group Edit Goto Extras Utilities Report Writer System Help

Change Report Group: Header

Reports History... Documentation

Library	1VK	Cost Centers: Absorption Costing
Table	CCSS	Report Table: Overhead cost controlling
Report group	ZCPK	
Description	C Report Summ primary/secdry cost	

Status

Report group is currently generated

Generation	Authorization
<input type="checkbox"/> Not automatic	Authorization group

Report/report interface

3 reports assigned to the report group

Configure...

No reports assigned to the library

Configure...

Documentation

Text Edit Goto Format Insert System Help

Change Report group documentation: CC Report Summ primary/secdry Lan

Formats Character formats

Par.formats * Standard paragraph Char.formats AB ABAP language element

&SHORTTEXT&

&DESCRIPTION&

&USE&

&PRECONDITION&

&OUTPUT&

&EXAMPLES&

□

Text Edit Goto Format Insert System Help

Change Report group documentation: CC Report Summ primary/secdry Lan

Par.formats * Standard paragraph Char.formats AB ABAP language element

&SHORTTEXT&

Report with cost element summary showing primary and secondary costs

&DESCRIPTION&

This report group contains the report ZCC8-PK1. It shows primary and secondary costs and the summarized cost elements. The costs in the primary cost element are broken down into primary costs and secondary costs.

&USE&

This report is primarily developed because distribution cycle is used. In distribution cycle the allocation is done using primary cost element. All costs (own as well as receiving costs get merged) within the primary cost elements. Standard SAP report shows all the cost under the same cost element.

The operation is not permitted in display mode

Click on



Report group Edit Goto Extras Utilities Report Writer System Help

Change Report Group: Header

Reports History... Documentation

Library 1VK Cost Centers: Absorption Costing
Table CCSS Report Table: Overhead cost controlling

Report group ZCPK
Description CC Report Summ primary/secdry cost

Status
Report group is currently generated

Generation Authorization
☐ Not automatic Authorization group

Report/report interface
3 reports assigned to the report group
Configure...
No reports assigned to the library
Configure...

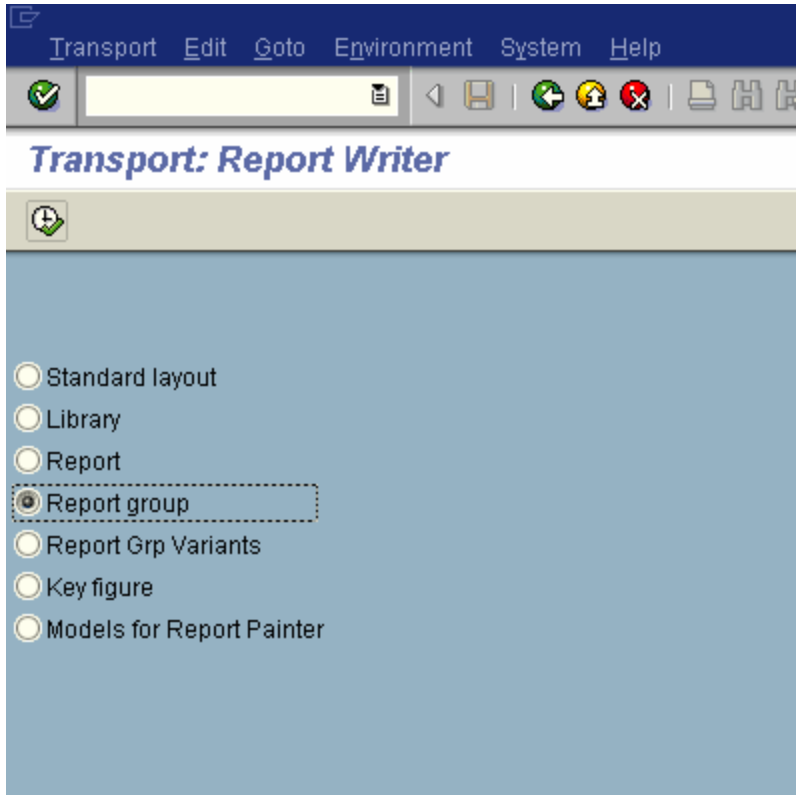
Click on



5. Transporting Reports

SAP Easy access → Accounting → Controlling → Cost Center Accounting → Information system → Tools → Report Painter → Utilities → Transport → Report groups → GCTR - Transport request

A report can be transported from one system to another (i.e. Development to Quality system) using this transaction code.



Click 

Program Edit Goto System Help

Report Writer: Include Report Groups in Transport Request

Report group to

Selection criteria

Field	From	To	Action
Library	<input type="text"/>	<input type="text"/>	
Description	<input type="text"/>	<input type="text"/>	
Generated by	<input type="text"/>	<input type="text"/>	
Generated on	<input type="text"/>	<input type="text"/>	
Last changed by	<input type="text"/>	<input type="text"/>	
Last changed on	<input type="text"/>	<input type="text"/>	
Created by	<input type="text"/>	<input type="text"/>	
Created on	<input type="text"/>	<input type="text"/>	

Further details

☐ Without selection list

☒ With dependent objects

☐ With variants

Click

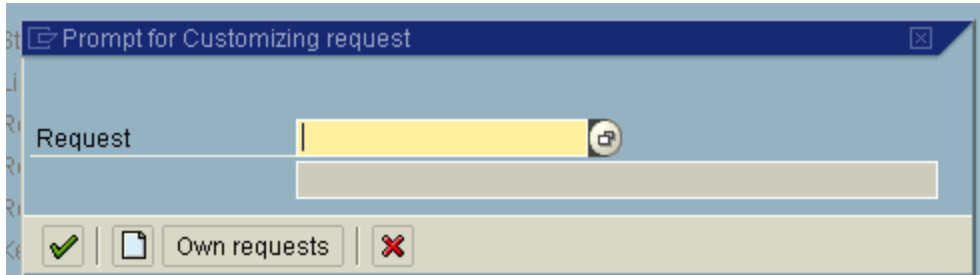
Report groups Edit System Help


Report Writer: Include Report Groups in Transport Request

RGr	Lib	Created by	on	Gen. on	ST	Title
<input type="checkbox"/>	ZCPK	1VK	SAPUSER	27.11.05	27.11.05	00 Primary/secondary cost breakup

Select the report

<input checked="" type="checkbox"/>	ZCPK	1VK	SAPUSER	27.11
-------------------------------------	------	-----	---------	-------



Click  to create the request

That brings us to an end to report painter creation.

Let us summarize how we went about creating the report painter report:-

- 1) We first identified the Library which has the relevant characteristics and key figures – 1VK
- 2) We created a variable which was required to be used in the report painter
- 3) We created a report ZCC8-PK1 (a form) using the library 1VK. While saving the report we added the report to a report group ZCPK.
- 4) In the final steps we assigned some additional reports, transactions (KSBP, KSB1 and report group 1SIP) in the Report group ZCPK which can be used as drill down report in this report.

You can likewise create various reports on your own, based on the user's requirement.

It is easier to copy standard reports and modify them, rather than create a report through scratch the way we did above.

SAP Report Painter

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at
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