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The ICC, Birmingham 23 - 25 November 2014

UK & IRELAND SAP USER GROUP CONFERENCE

The Inside Track on Operational Reporting in SAP ECC

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Session Objectives

- This session is aimed at Key Users, not just Finance, who are interested in getting better “reporting” value out of ECC
- We will look at:
  - Using Report Variants and Multiple Selections
  - Report Painter
  - SAP Query Quickviewer
  - Custom Transactions & Report Tree’s

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Contents

- Reporting Tactics
- Report Painter
- SAP Query (Quick Viewer)
- Custom Transactions & Report Tree's
- Wrap-up

Business Challenges

I want all the SAP Standard Reports from the system

I want it all .... and I want it now

I need that report to check that SAP is correct

Reporting Tactics

- Understand the difference between a Transaction recording system and a MI tool
- SAP output is limited to the data being input, so the transaction input design needs to support the desired outcomes
- You need a reporting strategy
  - Split between Operational & Periodic Reporting
  - Challenge the purpose of requirements
  - Re-use and standardise

Out of the box

- Many of the Standard SAP reports are able to deliver multiple results
- It could be a case of flexing the reporting criteria
- Its also a case of flexing your mind

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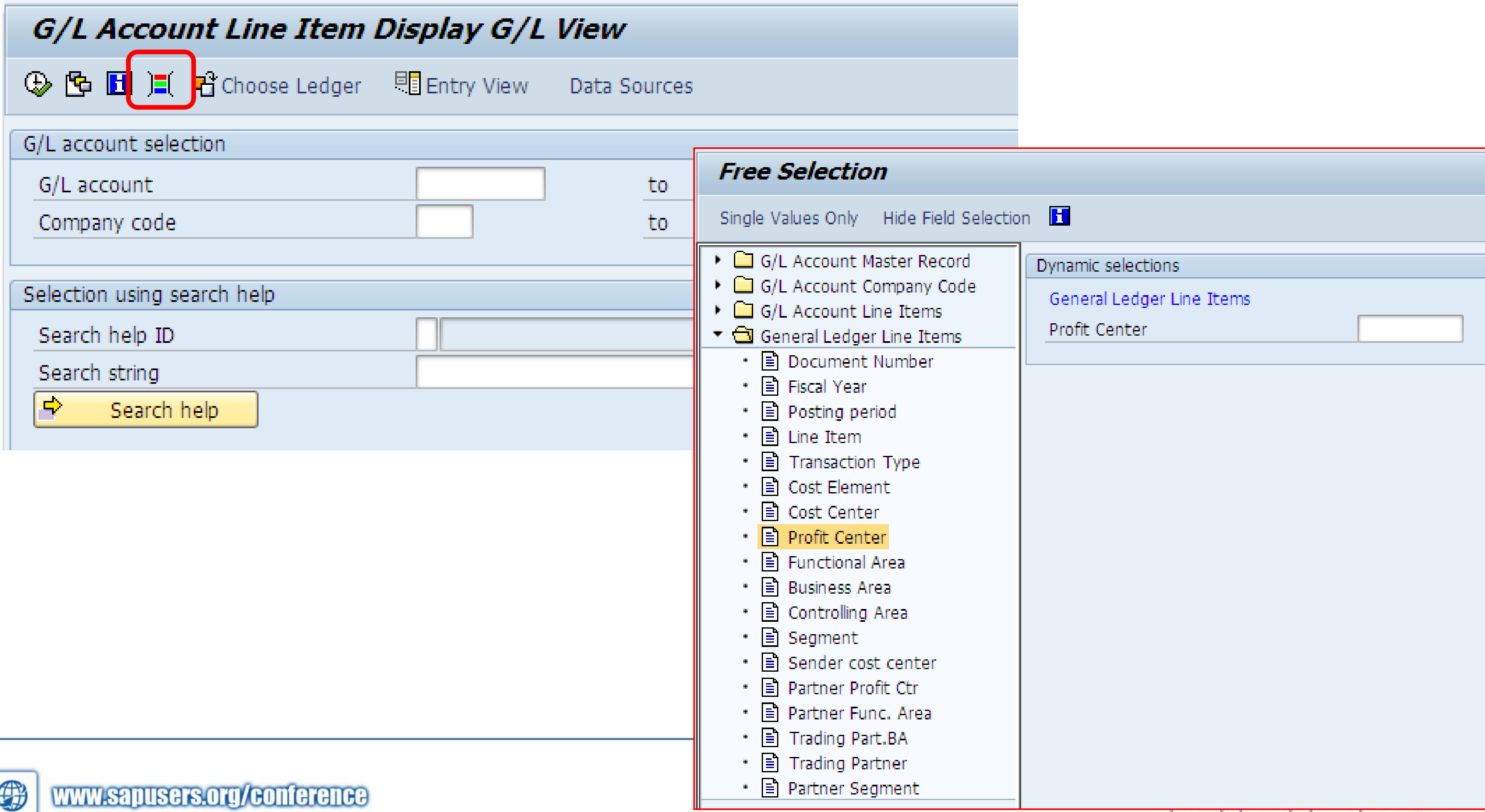
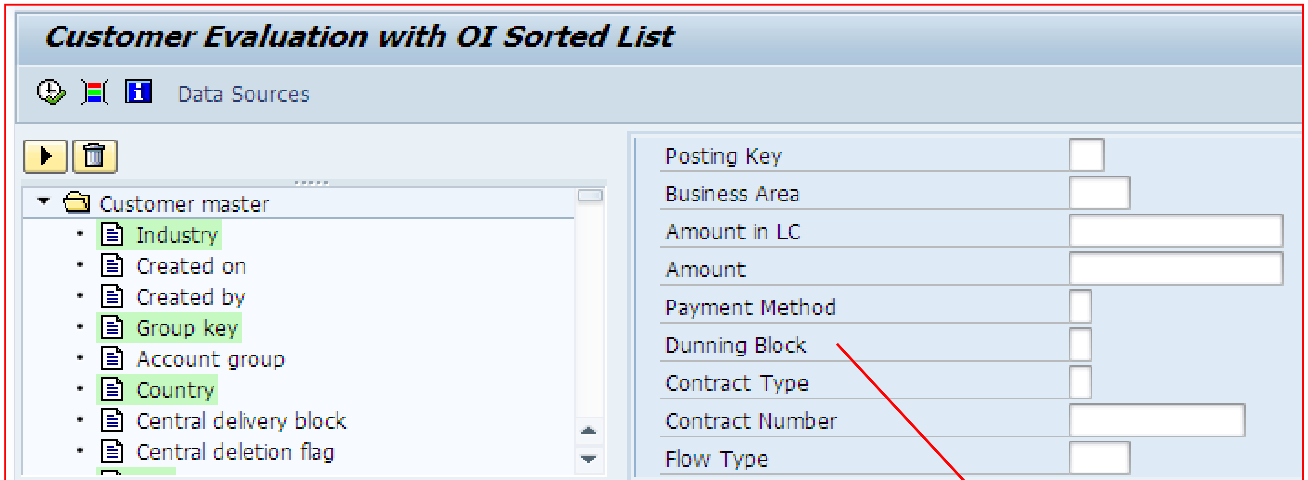
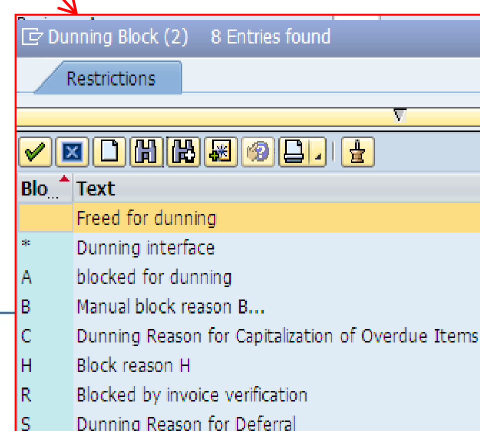
OotB – Example 1

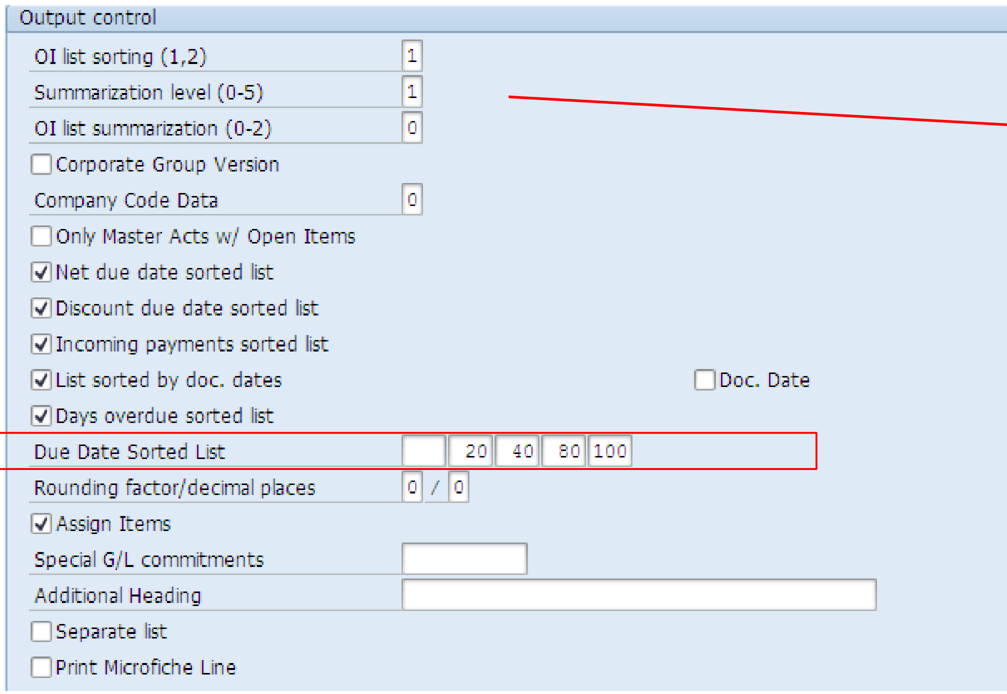


OotB – Example 1





OotB – Example 2



Output control

OI list sorting (1,2)	1
Summarization level (0-5)	1
OI list summarization (0-2)	0
☐ Corporate Group Version	
Company Code Data	0
☐ Only Master Acts w/ Open Items	
☑ Net due date sorted list	
☑ Discount due date sorted list	
☑ Incoming payments sorted list	
☑ List sorted by doc. dates	☐ Doc. Date
☑ Days overdue sorted list	
Due Date Sorted List	20 40 80 100
Rounding factor/decimal places	0 / 0
☑ Assign Items	
Special G/L commitments	
Additional Heading	
☐ Separate list	
☐ Print Microfiche Line	

'2' = as '1'.

- However, no paging per account is carried out.

'3' = the following is printed:

- Summary sheet per accounting clerk
- Summary sheet per company code
- Summary sheet (total)

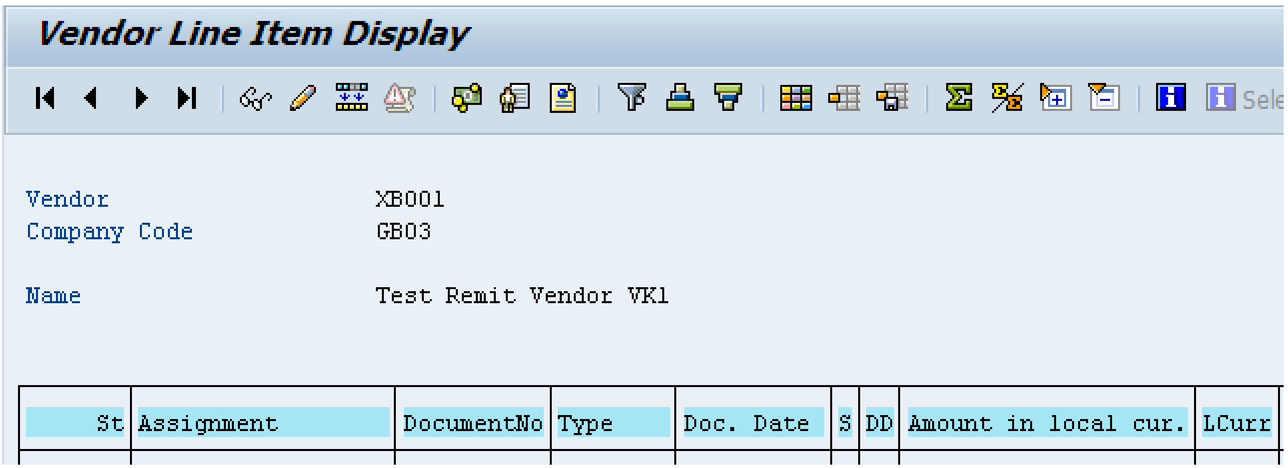
'4' = the following is printed:

- Summary sheet per company code
- Summary sheet (total)

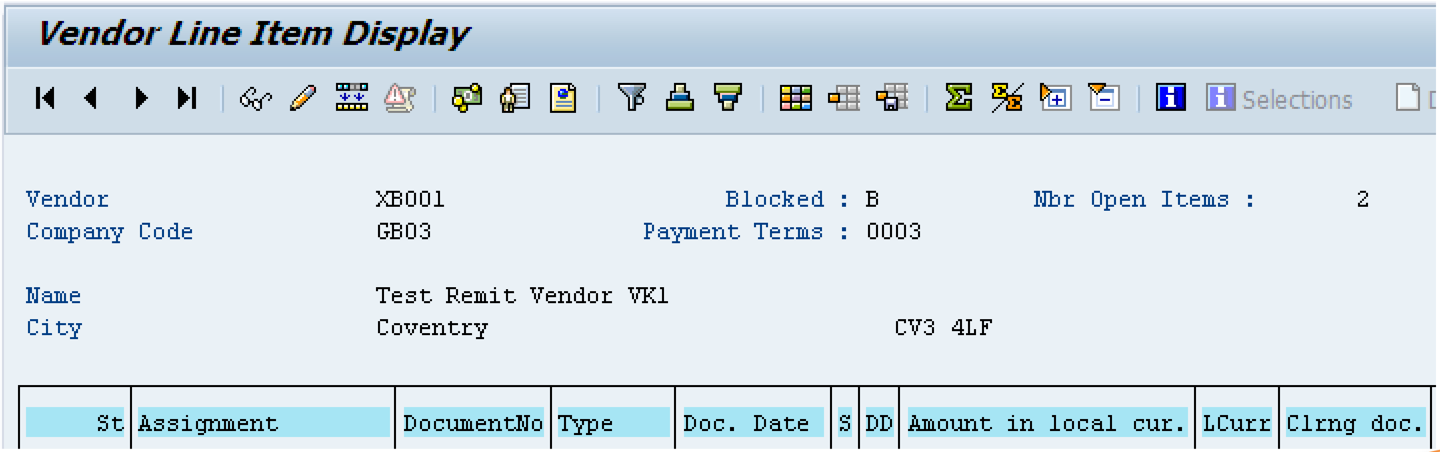
'5' = the following is printed:

- Summary sheet (total)

OotB – Example 3



OotB – Example 3



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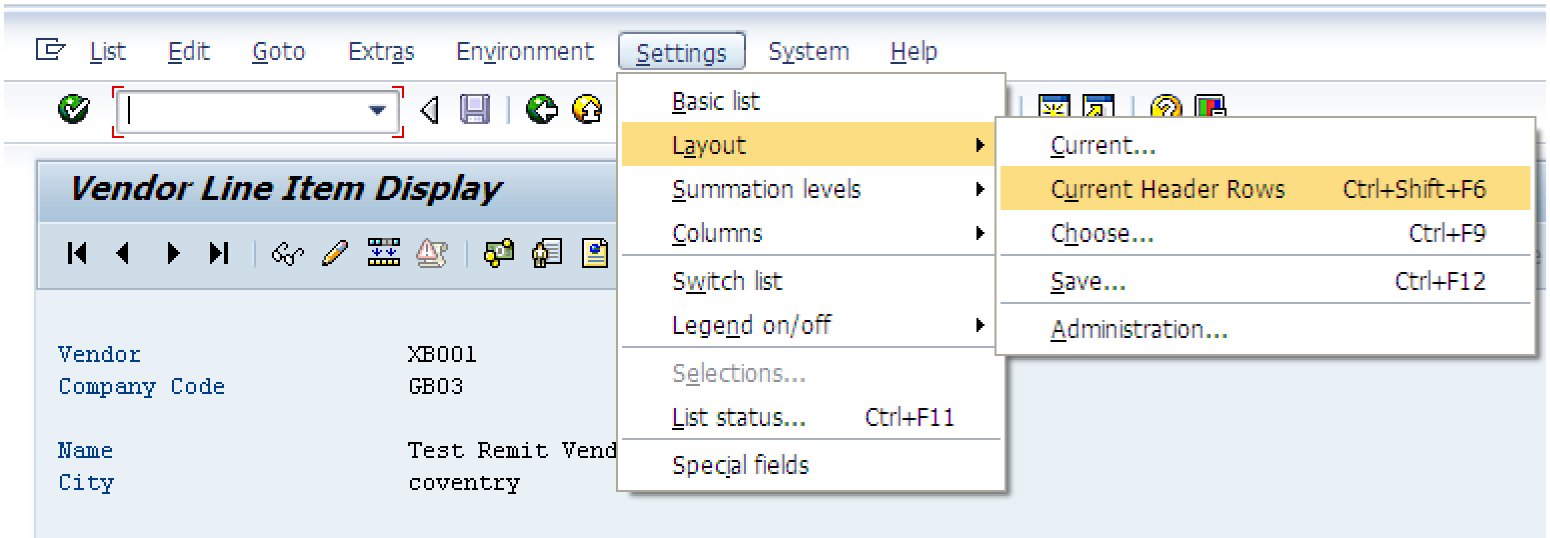
OotB – Example 3



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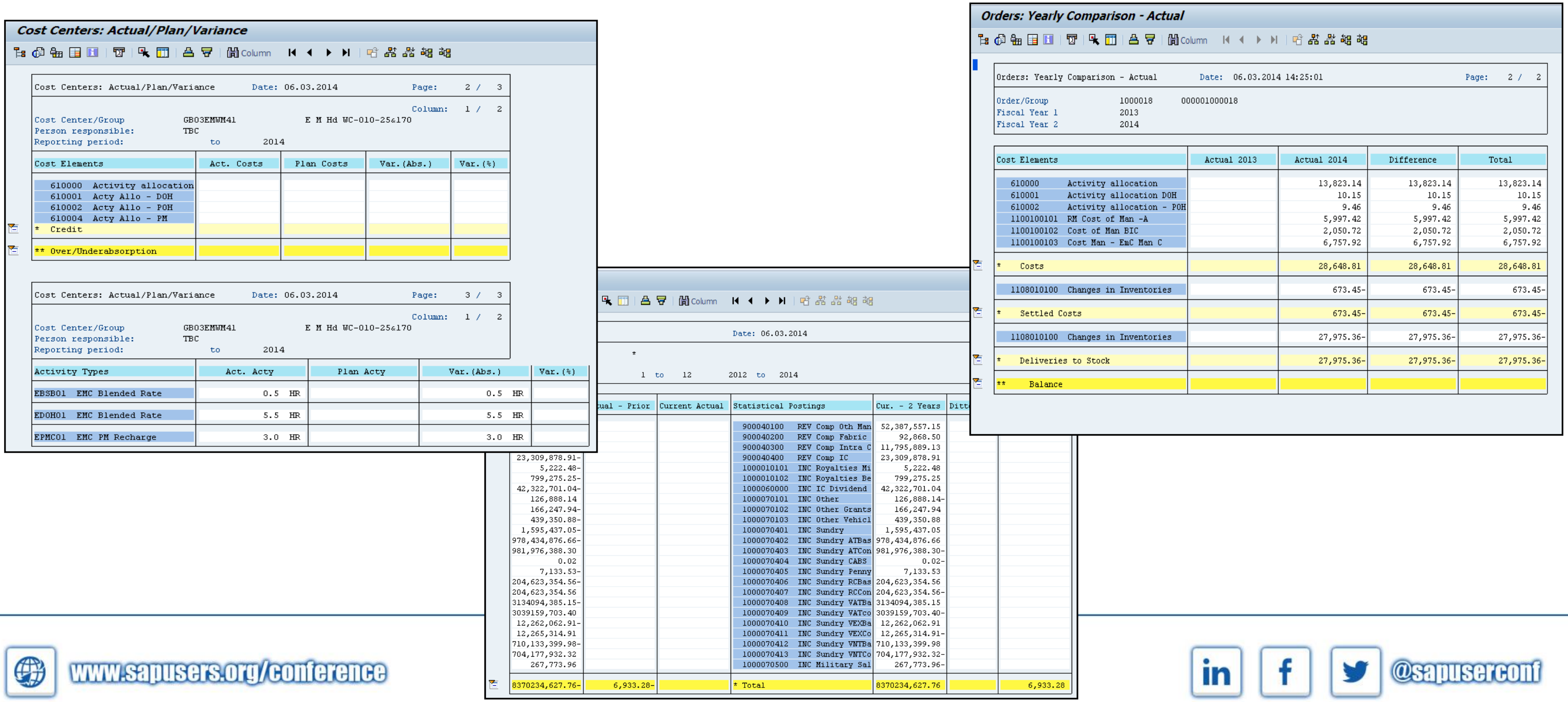
Report Painter – What is it?

- Report Painter is a great tool to provide Finance Users with "tabular style" reports
- Typically this is a great tool to provide a TB or an Income-Expenditure report
- These reports can be delivered in real-time, so whereas BI is more flexible and powerful, it is usually dependent on an overnight update
- Finance people love Excel, this is another step to get them out of Excel

RP – Why consider it?

- You probably already use these reports for your Cost Center or Order analysis



RP – How does it work?

- Library
- Columns & Rows
- General Parameters
- Report Groups
- Report Layout Formatting
- Texts
- Drill-down

RP – Sample Report

- << Insert Sample Report
- << Overlay Rows/Columns headings >>

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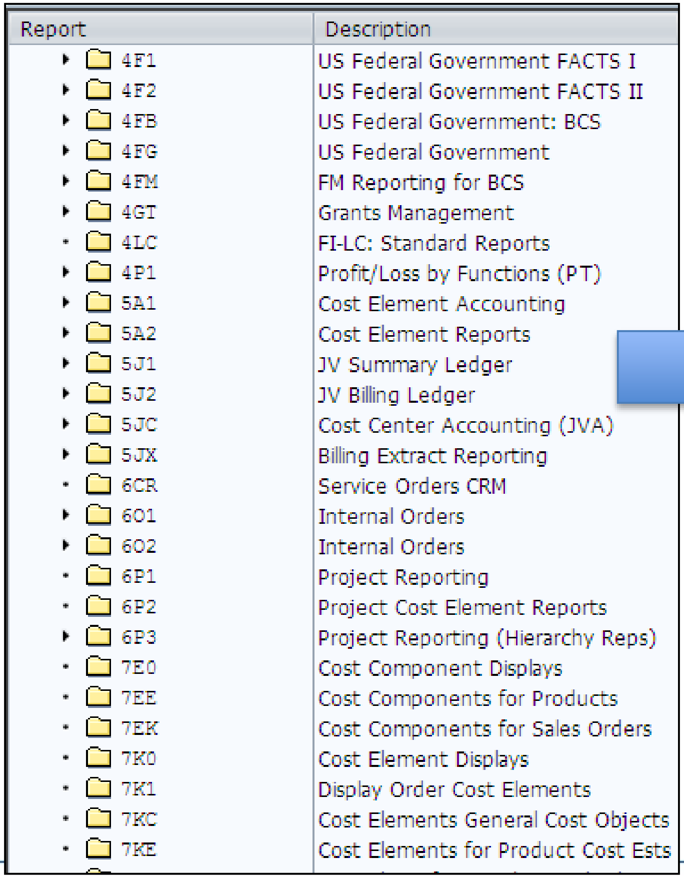
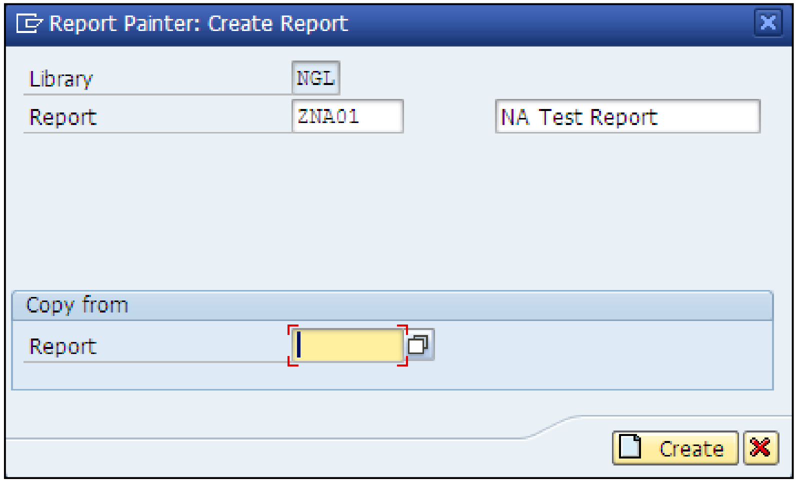
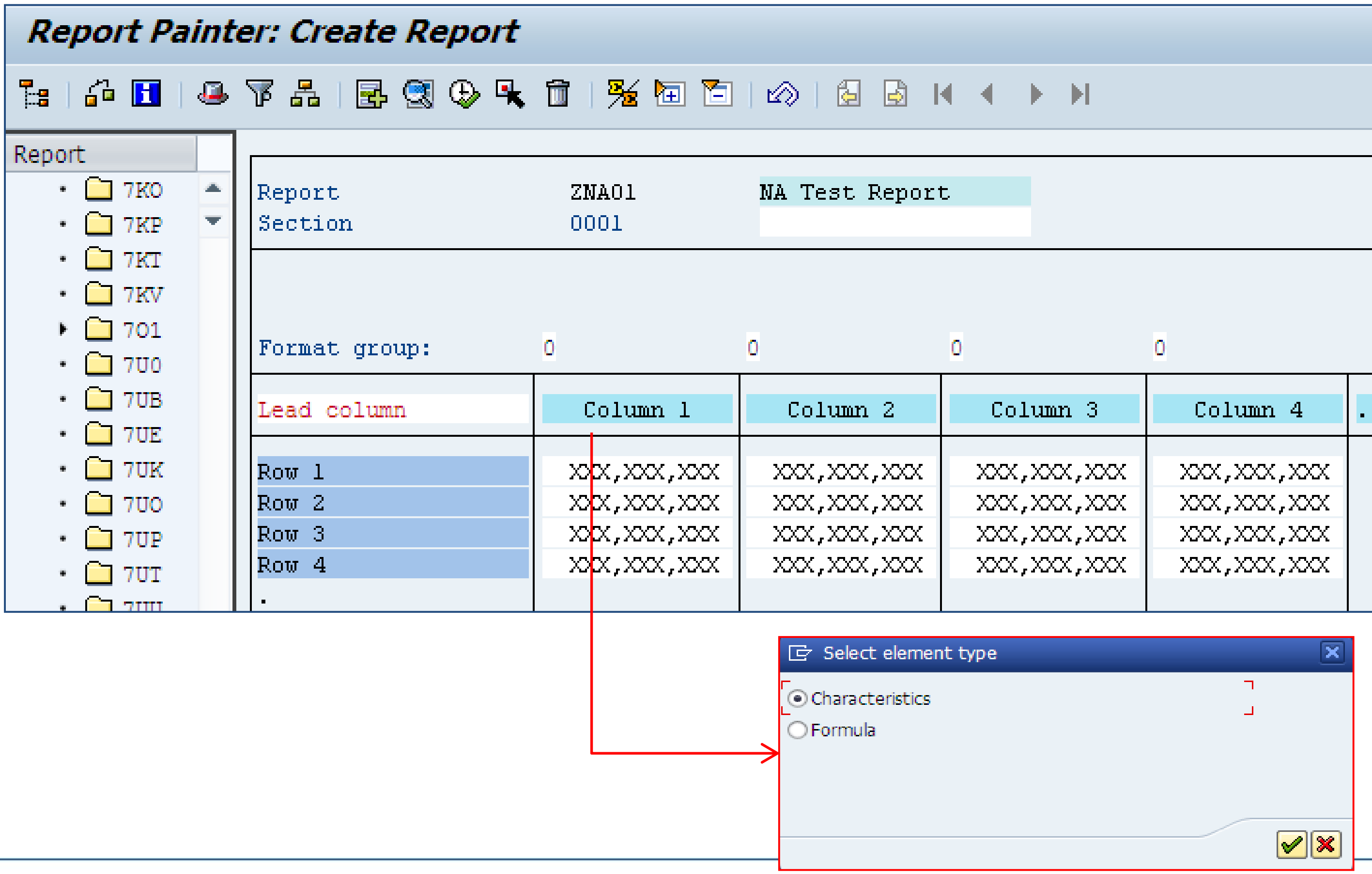
RP - Library



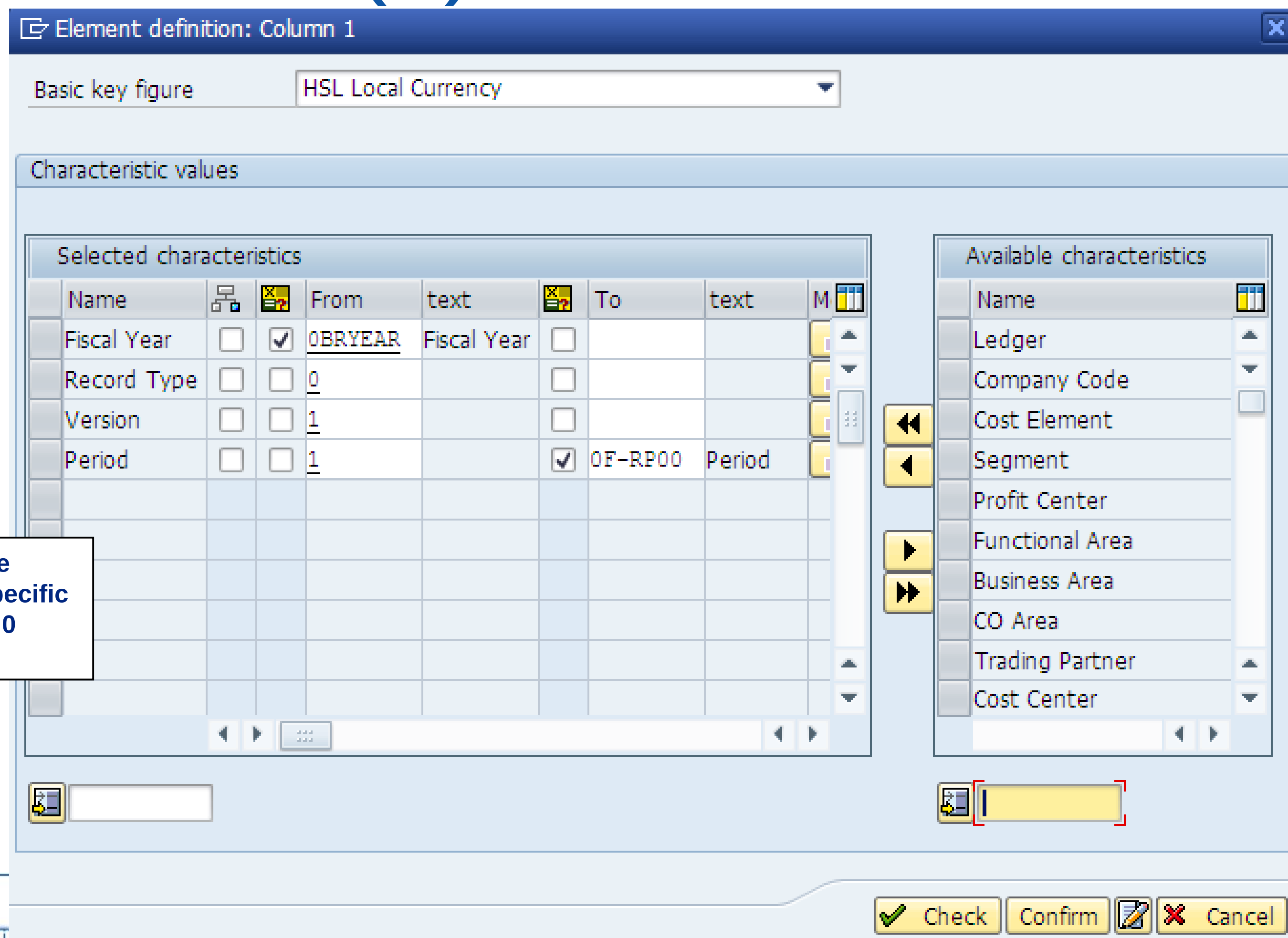
Report	Description
4F1	US Federal Government FACTS I
4F2	US Federal Government FACTS II
4FB	US Federal Government: BCS
4FG	US Federal Government
4FM	FM Reporting for BCS
4GT	Grants Management
4LC	FI-LC: Standard Reports
4P1	Profit/Loss by Functions (PT)
5A1	Cost Element Accounting
5A2	Cost Element Reports
5J1	JV Summary Ledger
5J2	JV Billing Ledger
5JC	Cost Center Accounting (JVA)
5JX	Billing Extract Reporting
6CR	Service Orders CRM
6O1	Internal Orders
6O2	Internal Orders
6P1	Project Reporting
6P2	Project Cost Element Reports
6P3	Project Reporting (Hierarchy Reps)
7E0	Cost Component Displays
7EE	Cost Components for Products
7EK	Cost Components for Sales Orders
7K0	Cost Element Displays
7K1	Display Order Cost Elements
7KC	Cost Elements General Cost Objects
7KE	Cost Elements for Product Cost Ests



RP – Columns (1)


Report Painter: Create Report
Report
7KO
7KP
7KT
7KV
7O1
7UO
7UB
7UE
7UK
7UO
7UP
7UT
Report ZNA01 NA Test Report
Section 0001
Format group: 0 0 0 0
Lead column
Column 1
Column 2
Column 3
Column 4
Row 1
Row 2
Row 3
Row 4
XXX,XXX,XXX
Select element type
Characteristics
Formula

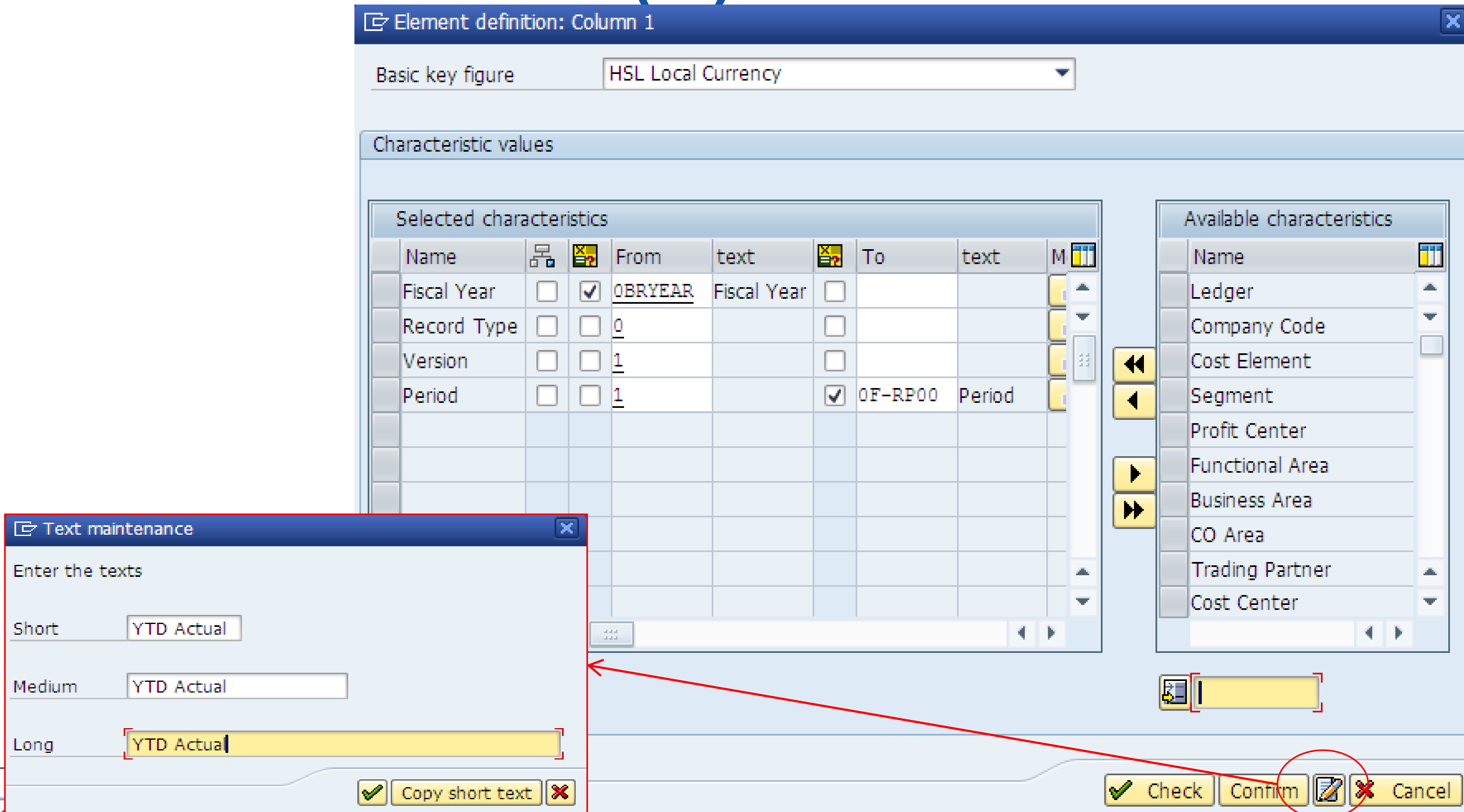
RP – Columns (2)



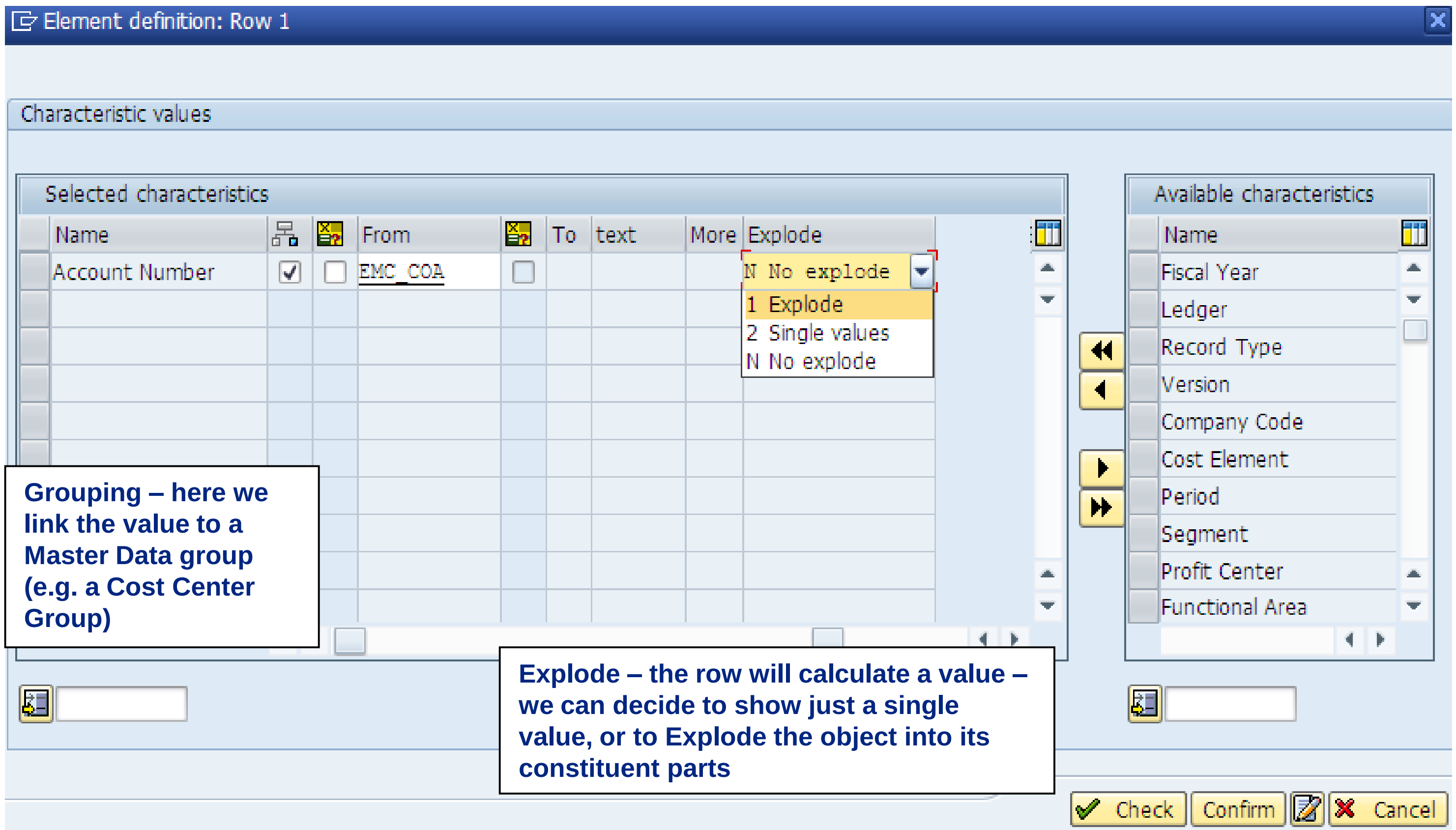
Variables– here we specify a variable, so the User will define the value as part of the report selection criteria

Absolute Values – here we define have specified a specific value, e.g. Record Type = 0 (actuals)

RP – Columns (3)


Element definition: Column 1
Basic key figure
HSL Local Currency
Characteristic values
Selected characteristics
Name
From
text
To
text
M
Fiscal Year
0BRYEAR
Fiscal Year
Record Type
0
Version
1
Period
1
0F-RP00
Period
Available characteristics
Name
Ledger
Company Code
Cost Element
Segment
Profit Center
Functional Area
Business Area
CO Area
Trading Partner
Cost Center
Check
Confirm
Cancel
Text maintenance
Enter the texts
Short
YTD Actual
Medium
YTD Actual
Long
YTD Actual
Copy short text

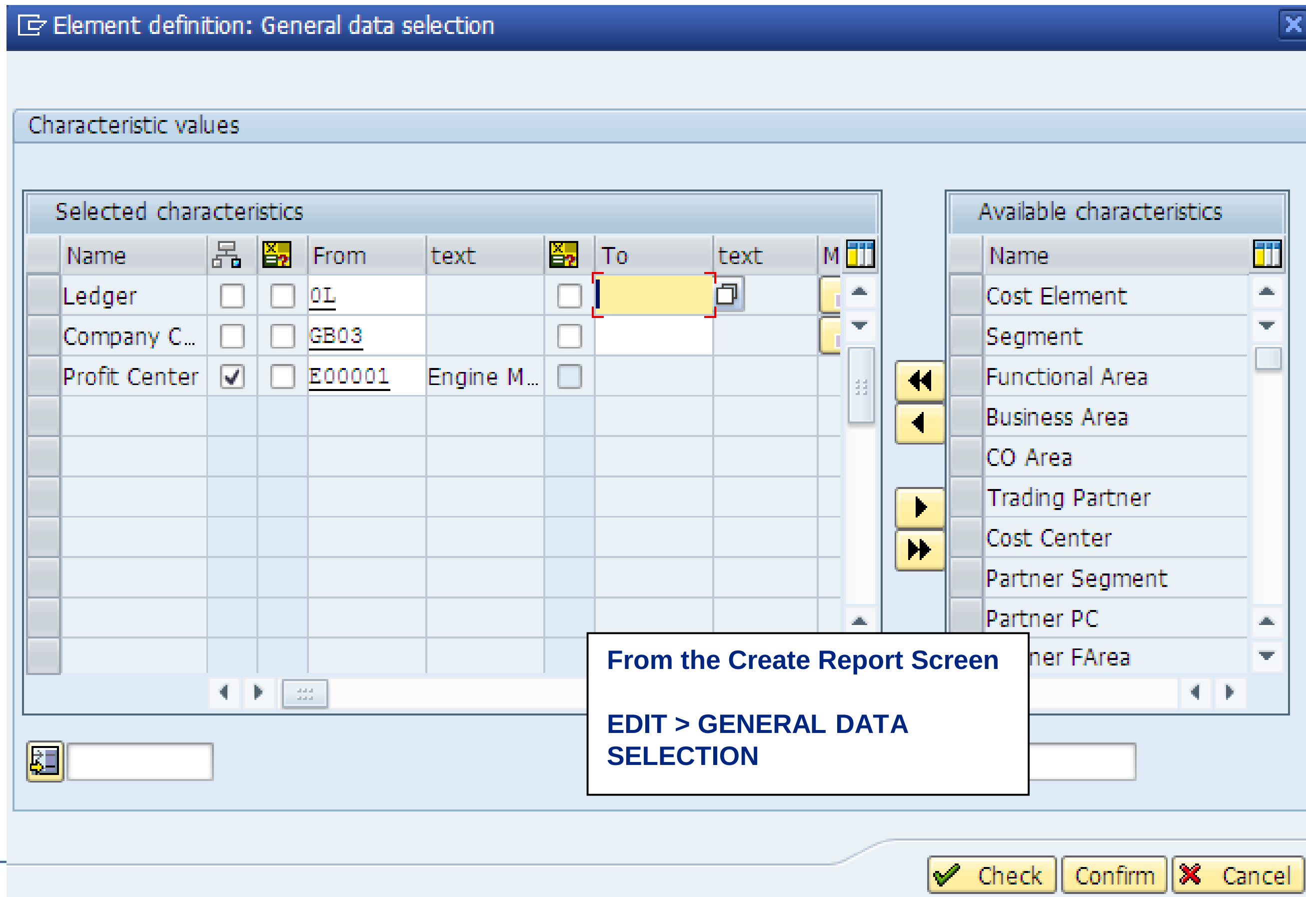
RP - Rows



Grouping – here we link the value to a Master Data group (e.g. a Cost Center Group)

Explode – the row will calculate a value – we can decide to show just a single value, or to Explode the object into its constituent parts

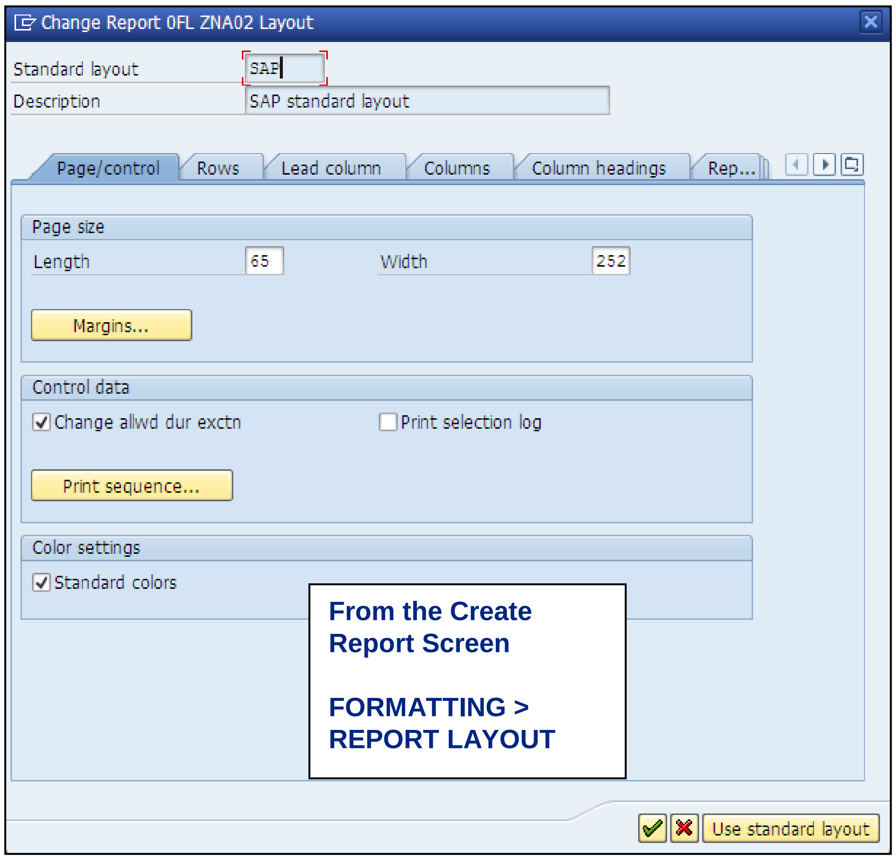
RP – General Data Selection



From the Create Report Screen

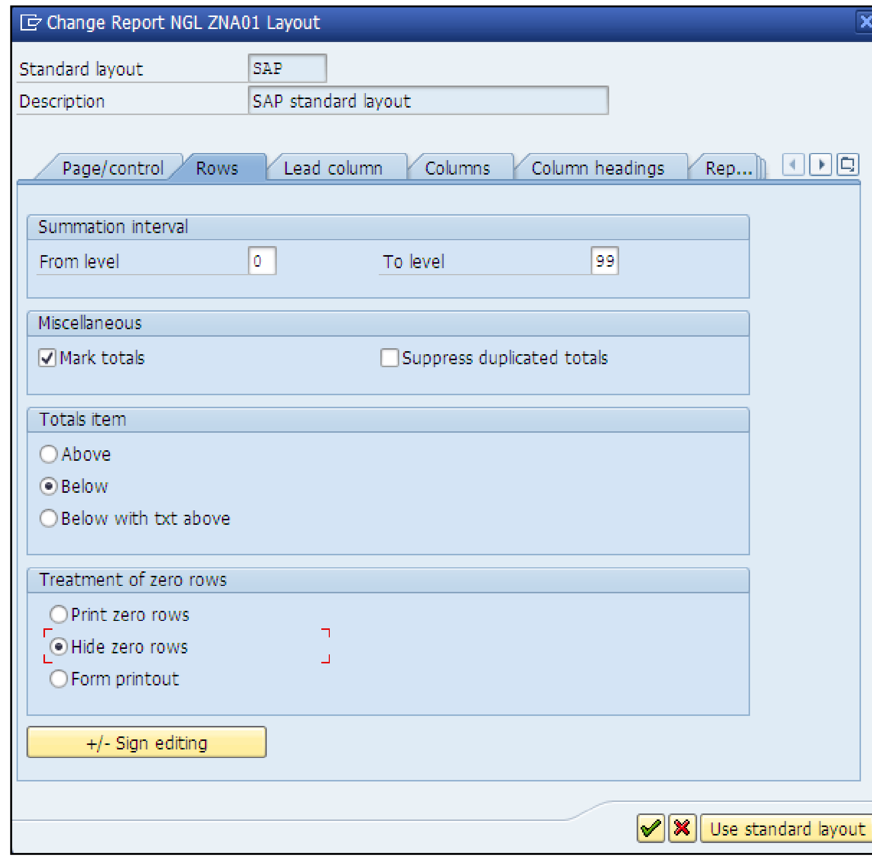
EDIT > GENERAL DATA SELECTION

RP – Report Format & Layout (1)



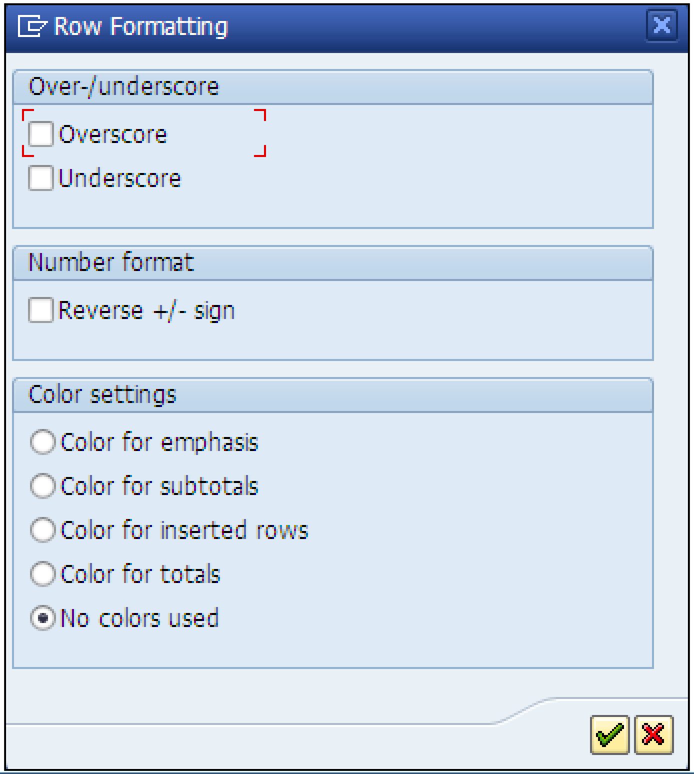
From the Create Report Screen

FORMATTING > REPORT LAYOUT

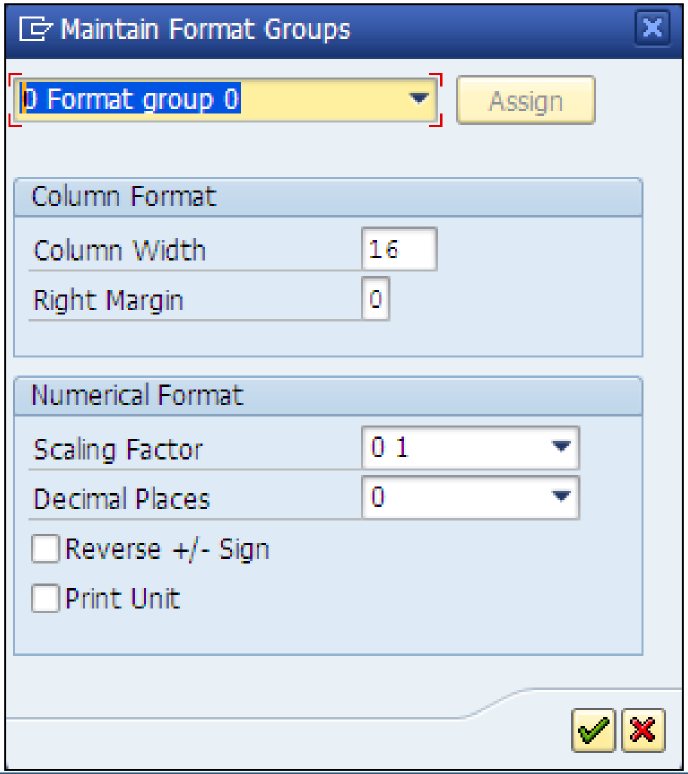


RP – Report Format & Layout (2)

- FORMATTING > ROWS

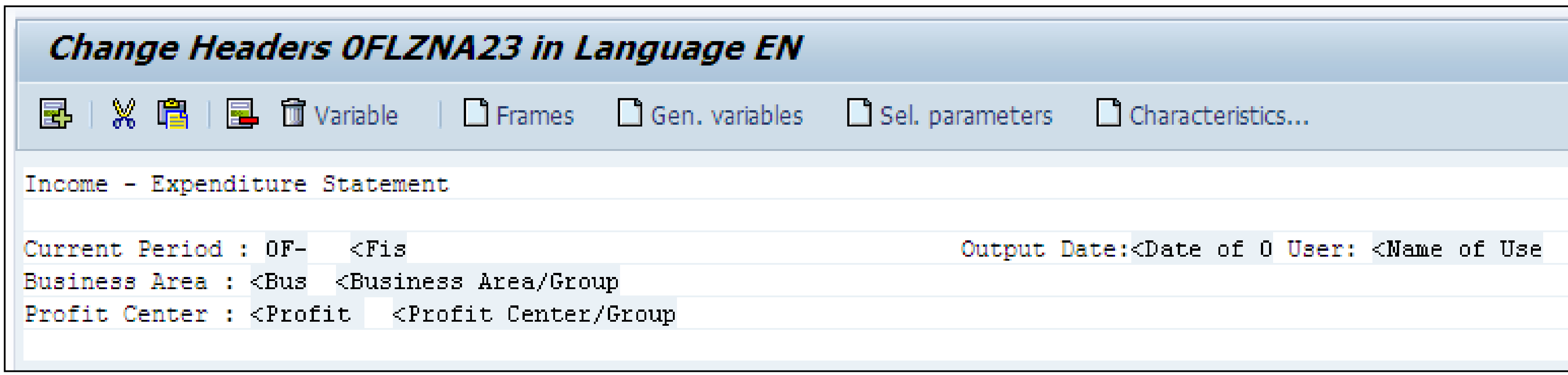


FORMATTING > COLUMNS

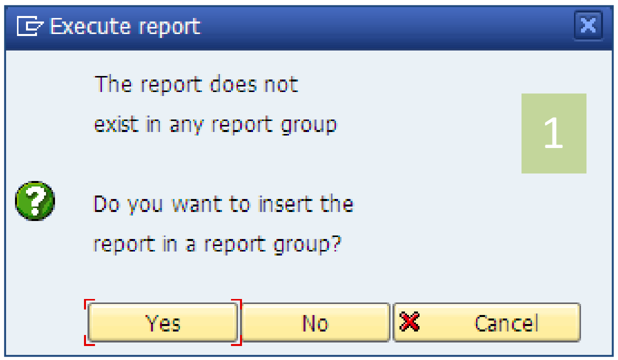


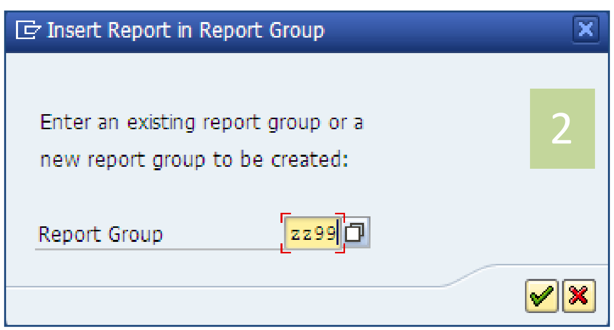
RP – Report Texts

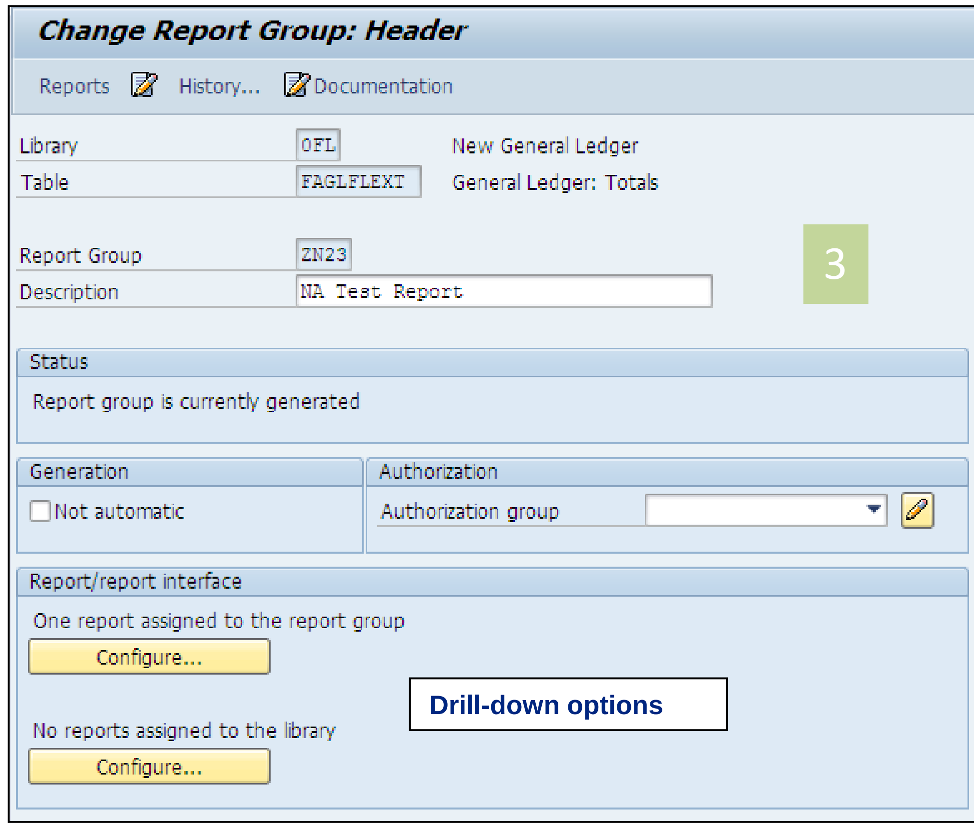
- EXTRAS > REPORT TEXTS



RP – Report Groups







RP – Sample Report

- << Insert Sample Report >>

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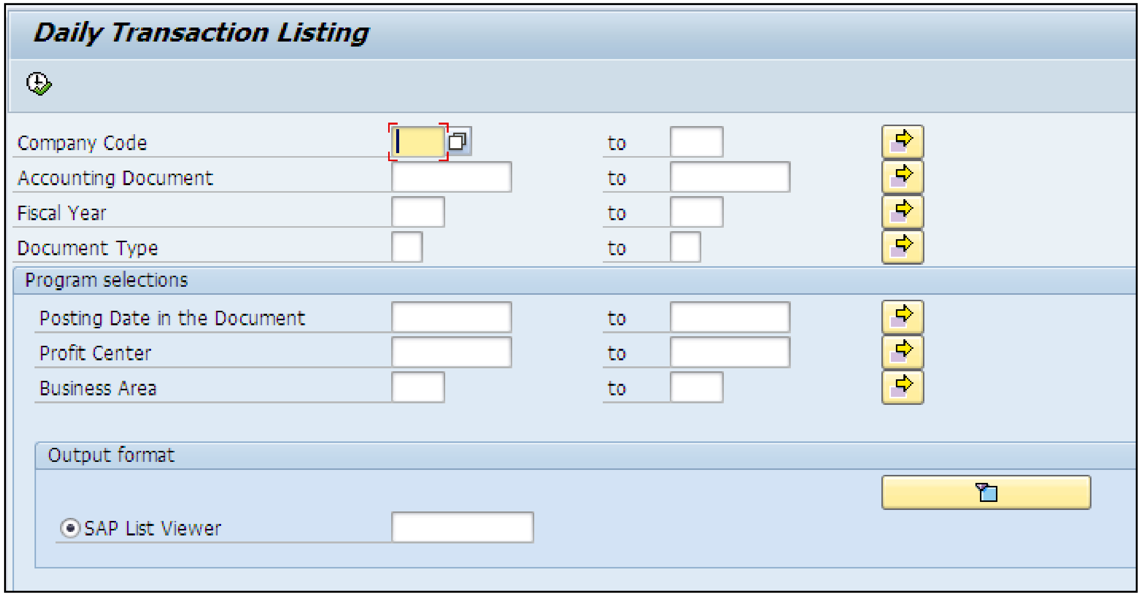
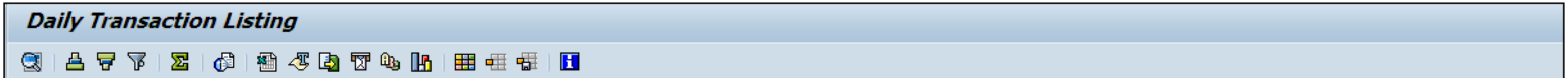
Contents

SAP Query QV – What is it?

- SAP Query is a useful tool to get data from multiple tables
- It outputs data into a tabular format
- Dangerous in the wrong hands, since a badly designed query could consume system resource !
- Quick Viewer is the “lite” version of SAP Query

SAP Query QV – What is it?





Daily Transaction Listing

Doc. Typ..	Pstng Date	DocumentNo	LI..	Itm	Us..	Time	TCod..	Document Header Text	D/C	PK	G/L	Amount in DC	Crcy	Amount in ..	Crcy	Cost Ctr	Order	Profit Ctr	BusA
SA	20.01.2014	1000000135		001	N..	10:05:30	FBVB	PM	S	40	1104040704	1.00	GBP	1.00	GBP		4000051	EMC90	0300
SA	20.01.2014	1000000135		002	N..	10:05:30	FBVB	PM	H	50	606020110	1.00	GBP	1.00	GBP				0300

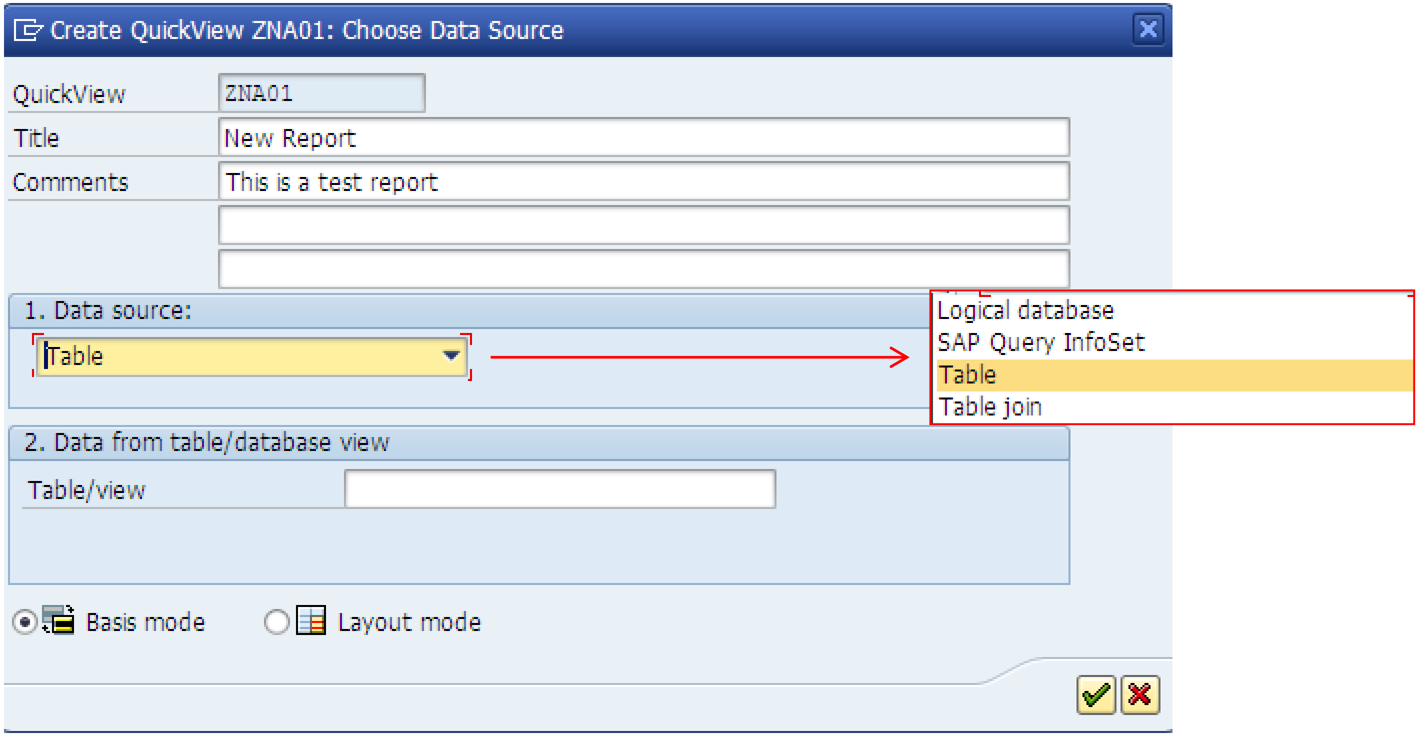
SAP Query QV – Why consider it?

- Does not require ABAP
- Can be created quickly and easily, even in a PRD client
- Cross application and also possible to include Z Tables/Fields
- Sometimes a simple query can resolve a key business process requirement,
  - e.g. show we Material Masters without the Division Field, bring back the Profit Center (and the Profit Center owner) and the Storage Location.

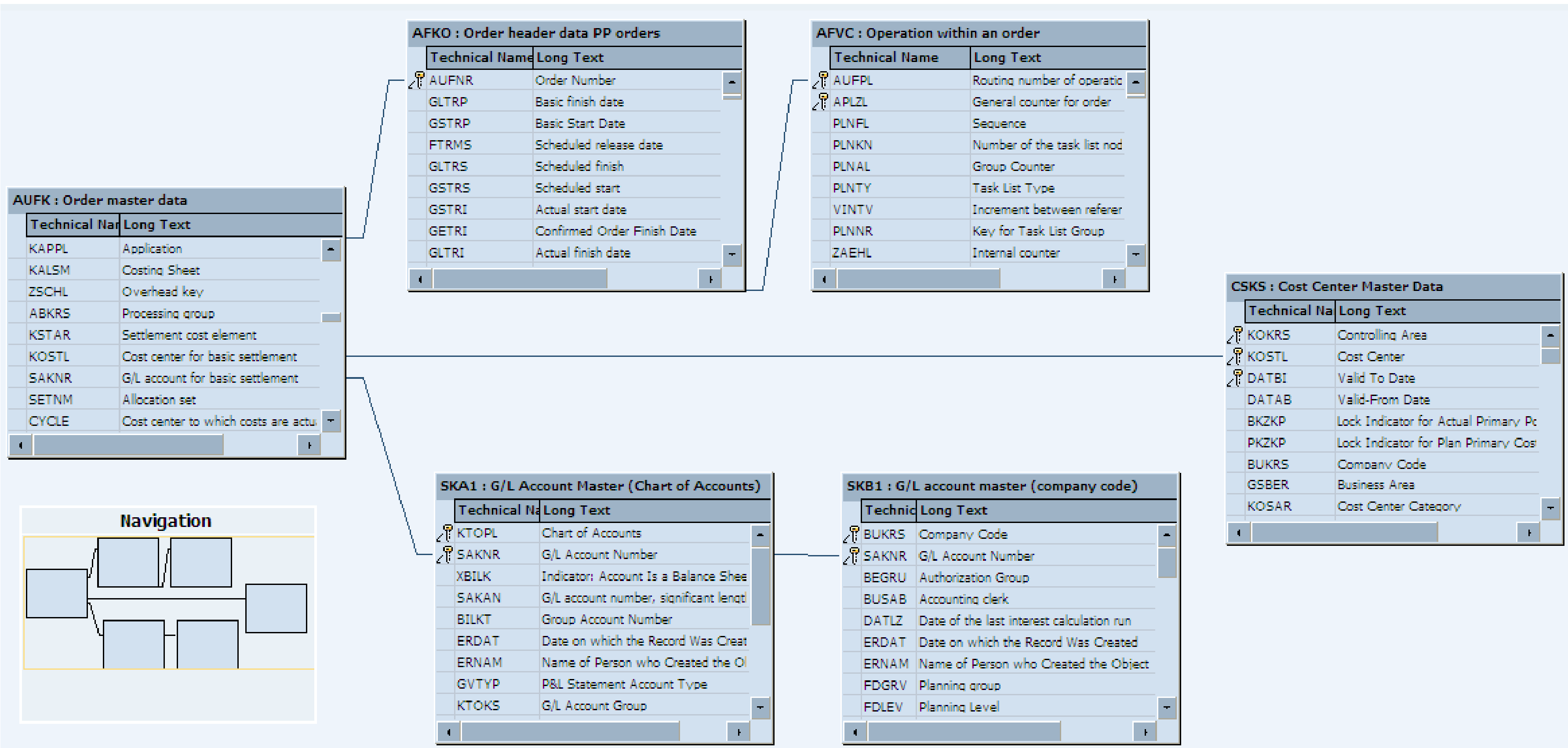
SQVI – How does it work?

- Fields & Tables
- Limited formatting available

SQVI – How does it work?



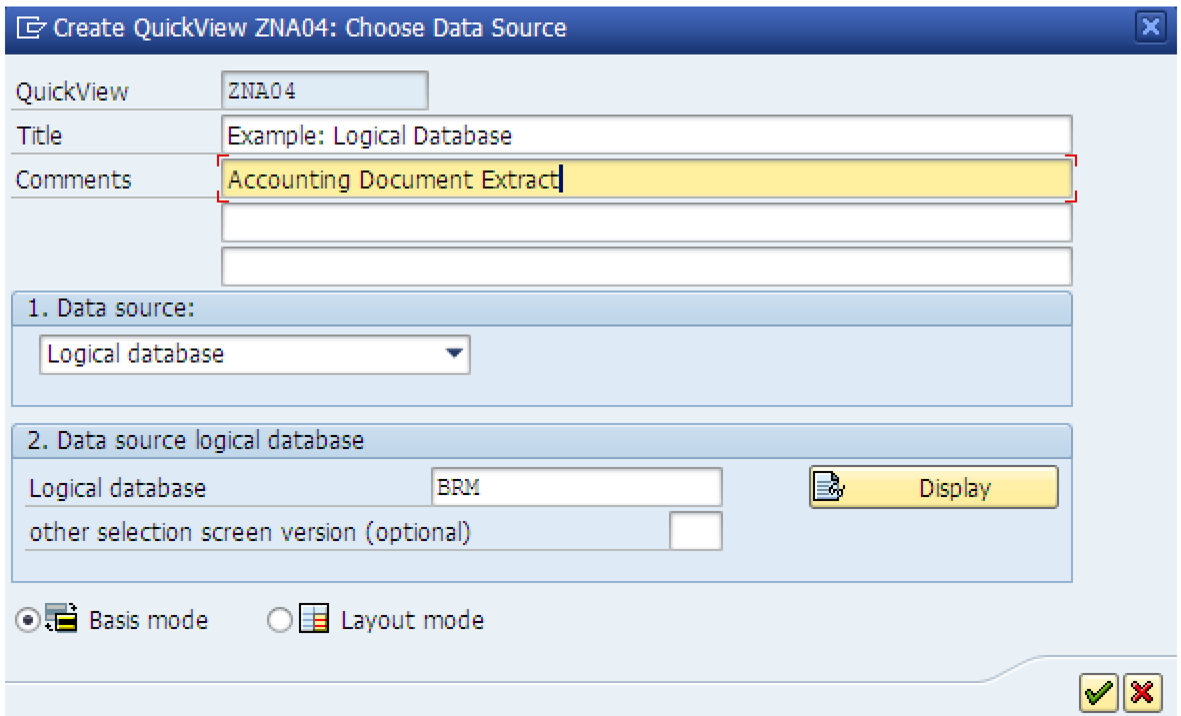
SQVI – Table Joins



SQVI – Logical Database Queries

Logical Database	Description	SAP Function
BRM	Accounting Documents	Accting Docs
CEK	Cost Centers - Line Items	C Ctrs
CIK	Cost Centers - Actual Data	C Ctrs
CKA	Costing	Costing
CKC	Order BOM	BOM
CKQ	Material Selection for New Costing Solution	Costing
CKW	Costing run: Material Selection	Costing
CMC	Material BOM	BOM
CPK	Cost Centers - Plan Data	C Ctrs
CRK	Cost Centers - Total	C Ctrs
EKM	Purchasing Documents per Account Assignment	Purch Docs
ELM	Purchasing Documents per Vendor	Purch Docs
EMM	Purchasing Documents for Material	Purch Docs
ENM	Purchasing Documents per Document Number	Purch Docs
FILA	Lease Accounting	Lease Acctg
GLU4	Line Items: New General Ledger	NGL
IMM	Inventory documents for material	Inv
INM	Inventory documents	Inv
PNP	HR Master Data	HR
PNPCE	HR Master Data (Incl. Concurrent Employment)	HR
PSJ	Project system	PS
PTRVP	Travel Management	TM
RHL	Archiving of inventory history	Inv
RIL	Archiving of inventory documents	Inv
SDF	G/L Account Database	GL Acct Master Records
VXV	SD: Billing Document - Export	Billing

SQVI – Logical Database Queries

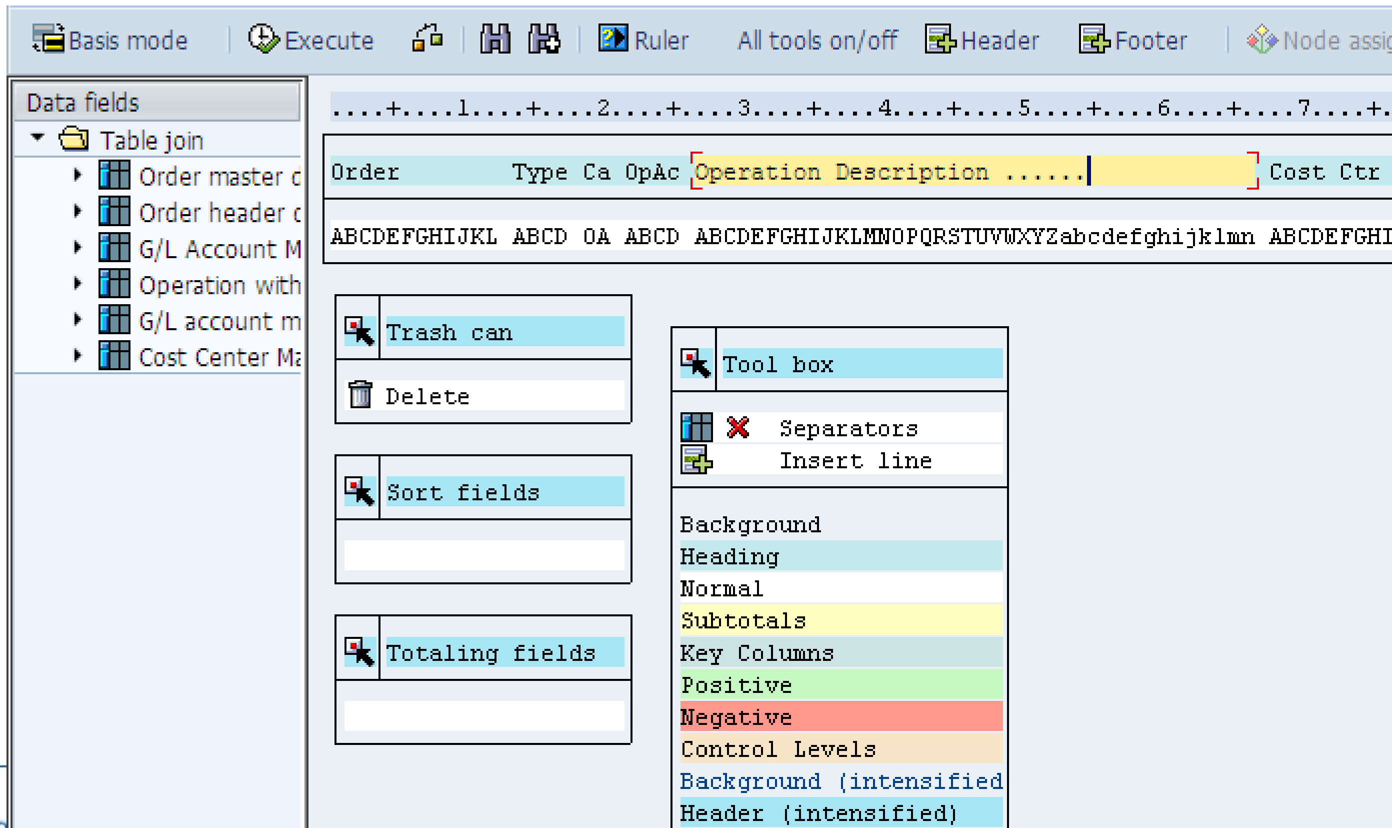


SQVI – Data Selections

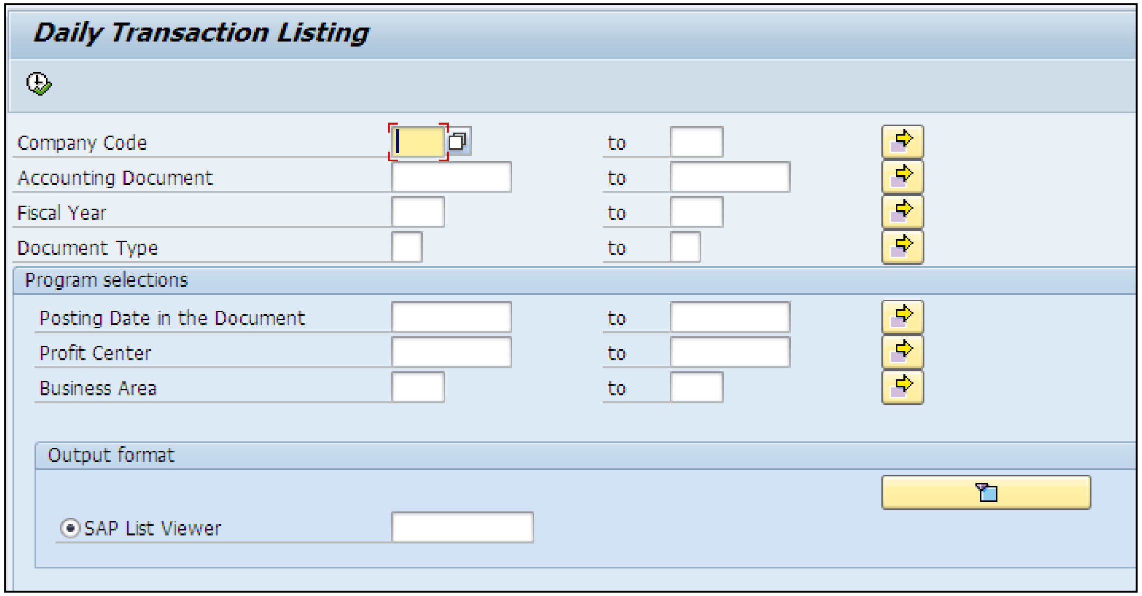
Data fields	List ...	Sele...	Technical Name
BKPF	19	7	
Accounting Document Header	8	5	BKPF
BSET	0	0	
Tax Data Document Segment	0	0	BSET
BSEG	11	2	
Accounting Document Segment	11	2	BSEG
• Company Code	☐	☐	BSEG-BUKRS
• Accounting Document Number	☐	☐	BSEG-BELNR
• Fiscal Year	☐	☐	BSEG-GJAHR
• Number of Line Item Within Accounting Docume	☑	☐	BSEG-BUZEI
• Identification of the Line Item	☑	☐	BSEG-BUZID
• Clearing Date	☐	☐	BSEG-AUGDT
• Clearing Entry Date	☐	☐	BSEG-AUGCP
• Document Number of the Clearing Document	☐	☐	BSEG-AUGBL
• Posting Key	☑	☐	BSEG-BSCHL
• Account Type	☐	☐	BSEG-KOART
• Special G/L Indicator	☐	☐	BSEG-UMSKZ
• Special G/L Transaction Type	☐	☐	BSEG-UMSKS
• Target Special G/L Indicator	☐	☐	BSEG-ZUMSK
• Debit/Credit Indicator	☑	☐	BSEG-SHKZG
• Business Area	☑	☑	BSEG-GSBER
• Trading Partner's Business Area	☐	☐	BSEG-PARGB
• Sales Tax Code	☐	☐	BSEG-MWSKZ
• Withholding Tax Code	☐	☐	BSEG-QSSKZ
• Amount in Local Currency	☑	☐	BSEG-DMBTR
• Amount in Document Currency	☑	☐	BSEG-WRBTR
• Original Reduction Amount in Local Currency	☐	☐	BSEG-KZBTR

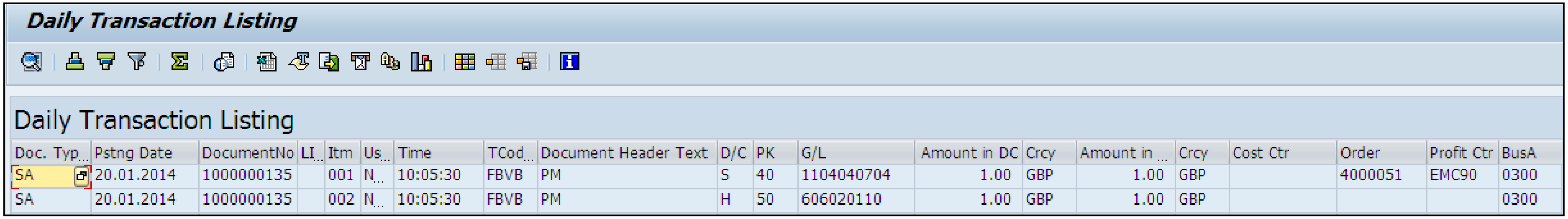
SQVI – Limited Formatting

- There are some options in the Layout Mode



SAP Query QV – Sample output





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Custom T-Codes and Report Tree's

- You can create Custom T-Codes so as to give access to your users for your Z-work using SE93

- You can create a Custom Report Tree to structure and organise your reports

Wrap-Up

- Reporting solutions should be “fit for purpose” in line with all your business operations, standards and controls
- Try and explore more options from the standard reports available
- Look to Report Painter as an ECC based Financial Statement reporting tool
- Look to SQVI to provide ad-hoc analysis
- Custom T-Codes and Report Tree’s enhance the user experience