

Accelerating Budgets, Forecasts, and Planning

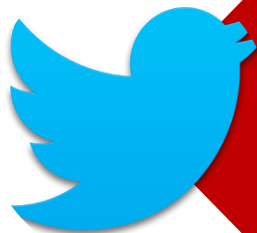
Jennifer Hwang | Winshuttle



Introduction



App – Winshuttle



#WUG2014 – Twitter



SSID – Winshuttle
Password – wug2014



Agenda

- About me
- Budgeting in SAP ERP
- Budgeting as a process
- What Winshuttle customers are doing
- Examples and demonstrations



About me

Jennifer Hwang

Solutions Engineer

- With Winshuttle since 2009
- Previously at SAP in Global Support
- Working with SAP since 2000



Budgets, Plans, and Forecasts

Operating budgets include the budgets for sales, manufacturing costs (materials, labor, and overhead) or merchandise purchases, selling expenses, and general and administrative expenses.

How often do you budget?

How often would you like to budget?

How do you budget?

Who participates?



Budgets, Plans, and Forecasts with Winshuttle

Winshuttle provides flexibility to:

- Download current data
 - Adjust
 - Upload new budgets
-
- Can adjust and re-adjust very easily
 - In a budgeting cycle can go through multiple iterations quickly
 - Able to present the new budget loaded in SAP in a matter of minutes

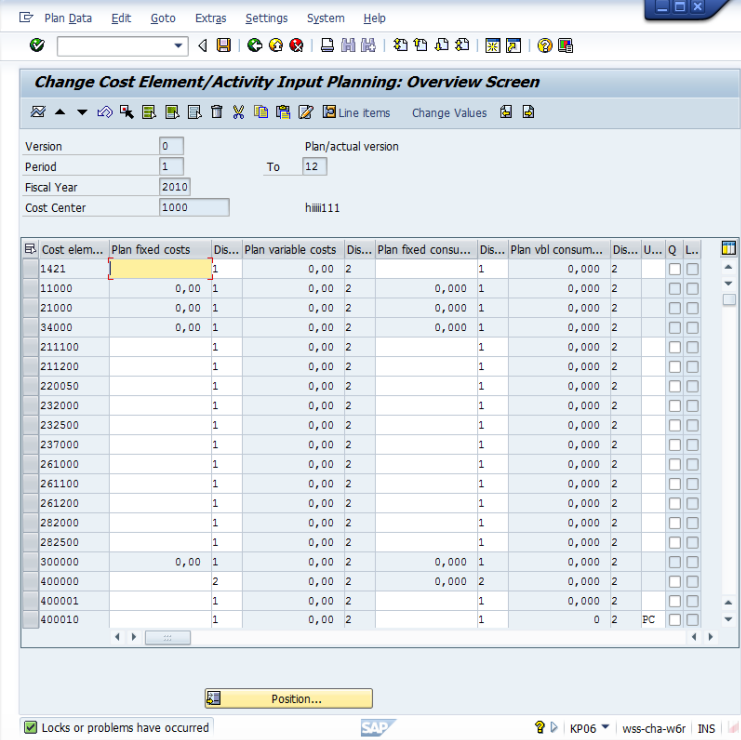


Cost Center planning by Act Type & Cost Element

Cost Center value is planned by Activity Type and Cost Element in Transaction KP06.

You can plan all costs in production cost centers where they will end up through allocations.

You can plan costs where they are incurred and use plan assessments and distributions to allocate.



Change Cost Element/Activity Input Planning: Overview Screen

Version: 0 Plan/actual version
Period: 1 To: 12
Fiscal Year: 2010
Cost Center: 1000 h1111

Cost elem...	Plan fixed costs	Dis...	Plan variable costs	Dis...	Plan fixed consu...	Dis...	Plan vbl consum...	Dis...	U...	Q	L...
1421		1	0,00	2		1	0,000	2			
11000	0,00	1	0,00	2	0,000	1	0,000	2			
21000	0,00	1	0,00	2	0,000	1	0,000	2			
34000	0,00	1	0,00	2	0,000	1	0,000	2			
211100		1	0,00	2		1	0,000	2			
211200		1	0,00	2		1	0,000	2			
220050		1	0,00	2		1	0,000	2			
232000		1	0,00	2		1	0,000	2			
232500		1	0,00	2		1	0,000	2			
237000		1	0,00	2		1	0,000	2			
261000		1	0,00	2		1	0,000	2			
261100		1	0,00	2		1	0,000	2			
261200		1	0,00	2		1	0,000	2			
282000		1	0,00	2		1	0,000	2			
282500		1	0,00	2		1	0,000	2			
300000	0,00	1	0,00	2	0,000	1	0,000	2			
400000		2	0,00	2	0,000	2	0,000	2			
400001		1	0,00	2		1	0,000	2			
400010		1	0,00	2		1	0,000	2			PC



Using Winshuttle with KP06

Extraction:

- Transaction recording of KP06 in read mode (slow)
- Winshuttle Query

Update:

- Transaction recording of KP06 (easiest)
- Winshuttle recording of BAPI
BAPI_COSTACTPLN_POSTPRIMCOST



Table query for KP06 data (Extract)

Tables

COSP – Cost Totals

CSKU – Cost Element Text

COKP – Control Data

CSKB – Cost Elements

Run time variable wizard: KP06BudgetForCostElementsByFiscalYrAndVersion-VBWTv2.qsq

Fiscal Year *	Between	2010	To	2010
Version *	=	000		
Controlling Area *	Between	1000	To	1000
Transaction Currency	=	EUR		

* Required

OK

KP06BudgetForCostElementsByFiscalYrAndVersion-VBWTv2.qsq - Winshuttle QUERY

QUERY Script: QUERY script - Budget
File Name: KP06BudgetForCostElementsByFisc...
Data Source: Table

SAP Tables

- Controlling (CO)
 - AUFK (Order master data)
 - COBK (CO Object: Document)
 - COEP (CO Object: Line Item)
 - CSSK (Cost center /cost element)
 - CSSL (Cost Center/Activity)
 - KAPS (CO Period Locks)
 - TKA09 (Basic Settings for Versions)
 - TKVS (CO Versions)
 - BPSK
 - BPEG
 - BPEI
 - BPEP
 - BPEE
 - BPJA
 - CKMLHD
 - COBRA
 - COBRB
 - COEJ
 - COEJL
 - COEJR
 - COEJT
 - COFIO1
 - COFIO2
 - COFIT
 - COKA
 - COKL
 - COKP
 - COKR
 - COSP
 - COSS
 - COST
 - CSKA
 - CSKB
 - CSKS
 - CSKT

Query Builder

(1) [COSP (CO Object: Cost ...]

- LEDNR Ledger for C
- OBJNR Object numb
- GJAHR Fiscal Year
- WRTPP Value Type
- VERSN Version
- KSTAR Cost Element
- HRKFT CO key subn
- VRGNG CO Business
- VBUND Company ID
- PARGB Trading part
- BEKNZ Debit/credit
- TWAER Transaction t
- PERBL Period block
- BUKRS Company Co
- MEINH Unit of Measur
- WTG001 Total Value in
- WTG002 Total Value in
- WTG003 Total Value in

(1) [COKP (CO Object: Control Data]

- FCWKF Distribution Key: Pl
- BEKNZ Debit/credit indi
- FCMEF Distribution Key: Fo
- FCMEG Distribution Key: Tr
- FCMEV Distribution Key: V
- FCREV Distribution key
- FCREG Distribution key
- FCREV Distribution key
- FCRKF Distribution key
- FCRKG Distribution key

(2) [CSKU (Cost Element T...]

- SPRAS Language
- KTOPL Chart of
- KSTAR Cost Elen
- MCTXT Search te
- KTEXT General N
- I TFXT Description

(2) [COKB (CO Object: Control Data]

- KOKRS Controlling Area
- KOSTL Cost Center
- AUFNR Order Number
- DATAB Valid-From Date
- DATBI Valid To Date
- DEAKT Indicator: Cost ele
- EIGEN Cost element attri
- ERSDA Cost element cate
- KATYP Cost element
- KSTAR Indicator: Cost ele
- LOEVM Indicator for Reco
- MGEFL Unit of Measure
- MSEHI Indicator for the P
- PLAOR

Output	Selection	Field Description	Technical Name	Selection Type	Where Clause
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Object number	COSP.OBJNR	Fixed	(COSP.OBJNR
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fiscal Year	COSP.GJAHR	RunTime	(COSP.GJAHR
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Value Type	COSP.WRTPP	Fixed	(COSP.WRTPP
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Version	COSP.VERSN	RunTime	(COSP.VERSN
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cost Element	COSP.KSTAR		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Company Code	COSP.BUKRS	RunTime	

SAP Disconnected EN



Query mapper advanced uses

Using Excel Formulas

KP06BudgetForCostElementsByFiscalYrAndVersion-VBWTv2.qsq - Winshuttle QUERY

File Edit Tools Help

SAP Certified
Powered by SAP NetWeaver

QUERY Script: QUERY script - Budget
File Name: KP06BudgetForCostElementsByFisc... Data Source: Table

AutoMap Mapping: Change Destination Type Validate

S.No	SAP Field Name	Expression	SAP Field Description	Field Type	Field Size	Mapped to column	Excel Expression	Expression Evaluation cell	Transform Original Mapping	Expression Evaluation
1	OBJNR	COSP.OBJNR	Object number	String	22	W	=IF(NOT(ISBLANK(W8)),MID(W8,13,4),"")	E8	<input type="checkbox"/>	Cost Center
2	GJAHR	COSP.GJAHR	Fiscal Year	String	4	B			<input type="checkbox"/>	
3	WRTPP	COSP.WRTPP	Value Type	String	2				<input type="checkbox"/>	
4	VERSN	COSP.VERSN	Version	String	3	C			<input type="checkbox"/>	
5	KSTAR	COSP.KSTAR	Cost Element	String	10	G			<input type="checkbox"/>	
6	BUKRS	COSP.BUKRS	Company Code	String	4	D			<input type="checkbox"/>	
7	TWAER	COSP.TWAER	Transaction Currency	String	5	F			<input type="checkbox"/>	
8	MEINH	COSP.MEINH	Unit of Measure	String	3				<input type="checkbox"/>	
9	WTG001	COSP.WTG001	January	Decimal	15	K	=IF(SUM(J8:V8)>0,SUM(J8:V8),"")	I8	<input type="checkbox"/>	Sum
10	WTG002	COSP.WTG002	February	Decimal	15	L			<input type="checkbox"/>	
11	WTG003	COSP.WTG003	March	Decimal	15	M			<input type="checkbox"/>	
12	WTG004	COSP.WTG004	April	Decimal	15	N			<input type="checkbox"/>	
13	WTG005	COSP.WTG005	May	Decimal	15	O			<input type="checkbox"/>	
14	WTG006	COSP.WTG006	June	Decimal	15	P			<input type="checkbox"/>	
15	WTG007	COSP.WTG007	July	Decimal	15	Q			<input type="checkbox"/>	

C:\Users\clintonj\Documents\Winshuttle\Query\Data\QUERY script - Budget2_161.xlsx

U	V	W	X	Y	Z	AA	AB	AC	AD
COSP.WTG011 November	COSP.WTG012 December	COSP.OBJNR Object number			SAP System: Client - WE6 : 800 SAP User - wsuser1 QUERY Script Name - KP06BudgetForCostElementsByFiscalYrAndVersion-VBWTv2.qsq Records extracted - 527 Execution Time - 00:00:13 Download date and time - Wednesday, February 20, 2013 6:09:06 PM Reason for run - BOARDWALKTECH RUN				
1,083.350	1,083.330	KS10000000001000							
2,500.000	2,500.000	KS10000000001000							
217,762.760	217,762.750	KS10000000001000							

Sheet1 / Sheet2 / Sheet3

SAP Disconnected EN



Data gathering and Transformation options

Excel

Access

Excel Form

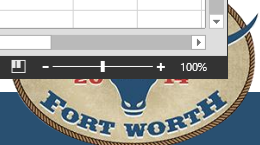
Winshuttle Form

The screenshot displays two overlapping Excel windows. The top window shows a data table with columns: Column#, Fiscal Year, Version, Controlling Area, Cost Center, Currency, Cost Element, Cost Element Name, Total, Distribution Key, January, and February. The bottom window shows a form titled 'Budget Lookup for Single Cost Element' with the following fields:

Field	Value
Controlling Area	1000
Version	000
Fiscal Year	2010
Cost Center	1000
Log Cell	No planning data has been changed
Cost Element	0000451000
Cost Element Name	Building maintenance costs
Total	0.00
From Period	1
To Period	12

Below the form is a grid for monthly data:

Month	Value
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	



Budgeting Query



Automating KP06

Plan Data Edit Goto Extras Settings System Help

Change Cost Element/Activity Input Planning: Initial Screen

Layout 1-101 Cost elements acty-indep./acty-dependent

Variables

Version	0	Plan/actual version
From period	1	January
To period	12	December
Fiscal year	2010	

Cost Center 1 to 9999999999 or group

Activity Type to or group

Cost Element 1 to 9999999999 or group

Entry Free Form-Based

SAP KP06 wss-cha-w6r INS



Refactoring in Excel

KP06 allows you to refactor values but it is easier to do this in Excel (fewer steps) and Query can help!

The period layout vertically is probably not the way you have your data laid out in Excel

The screenshot displays the SAP 'Change Cost Element/Activity Input Planning: Period Screen' interface. The top menu includes 'Plan Data', 'Edit', 'Goto', 'Extras', 'Settings', 'System', and 'Help'. The main area shows a table with columns for 'P...', 'Text', 'Plan fixed costs', 'Plan variable costs', 'Plan fixed consu', and 'Plan vbl consum'. The rows represent months from JANUARY to DECEMBER, with a summary row for '*PE'. A 'Change Values' dialog box is open over the table, containing fields for 'Revaluation factor' and 'Value', and buttons for 'Revalue' and 'Add values'. The SAP logo and user information 'KP06 wss-cha-w6r INS' are visible at the bottom.

P...	Text	Plan fixed costs	Plan variable costs	Plan fixed consu	Plan vbl consum	U...
1	JANUARY					
2	FEBRUARY					
3	MARCH					
4	APRIL					
5	MAY					
6	JUNE		0,00	0,000	0,000	
7	JULY		0,00	0,000	0,000	
8	AUGUST		0,00	0,000	0,000	
9	SEPTEMBER		0,00	0,000	0,000	
10	OCTOBER		0,00	0,000	0,000	
11	NOVEMBER		0,00	0,000	0,000	
12	DECEMBER		0,00	0,000	0,000	
	*PE	0,00	0,00	0,000	0,000	



Mapper Challenges

Field Labels don't come across after recording, so you will need to edit these

If you select the Validate option after saving the mapping the columns need reordering

The screenshots illustrate the Winshuttle Transaction interface for mapping SAP data. The top window shows the initial mapping configuration, and the bottom window shows the state after validation, where the columns are reordered and the 'Value' column contains numerical data.

Field Description	Field Name	Field	Mapping Type	Value	Notes
Log Column					
Value in Characteristics Table	KPPOB-VALUE(01)	String		0	
Value in Characteristics Table	KPPOB-VALUE(02)	String		1	
Value in Characteristics Table	KPPOB-VALUE(03)	String		12	
Value in Characteristics Table	KPPOB-VALUE(04)	String		2010	
Value in Characteristics Table	KPPOB-VALUE(06)	String		1000	
Value in Characteristics Table	KPPOB-VALUE(07)	String			
Value in Characteristics Table	KPPOB-VALUE(12)	String			
Z-BDC03(01)		String		1,905.41	
Z-BDC03(02)		String		1,905.41	

Field Description	Field Name	Field	Mapping Type	Value	Notes
Log Column				S	
Validation Log Column				A	
Version	KPPOB-VALUE(01)	String		B	
First Period	KPPOB-VALUE(02)	String		0	
Last Period	KPPOB-VALUE(03)	String		C	
Year	KPPOB-VALUE(04)	String		D	
Cost Centre	KPPOB-VALUE(06)	String		E	
Value in Characteristics Table	KPPOB-VALUE(07)	String			
Cost Element	KPPOB-VALUE(12)	String		F	
January	Z-BDC03(01)	String		G	
February	Z-BDC03(02)	String		H	
March	Z-BDC03(03)	String		I	
April	Z-BDC03(04)	String		J	
May	Z-BDC03(05)	String		K	
June	Z-BDC03(06)	String		L	

Validation	First Period	Last Period	Year	Cost Centre	Cost Element	January	February	March	
1	A	1	12	2010	1000	451000	1,905.41	1,905.41	1,905.41
2	A	1	12	2010	1000	451000	1,905.41	1,905.41	1,905.41
3									
4									



KP06



Demo

KP06:

- Cell Based Mapping – for lookup
- Add Workflow



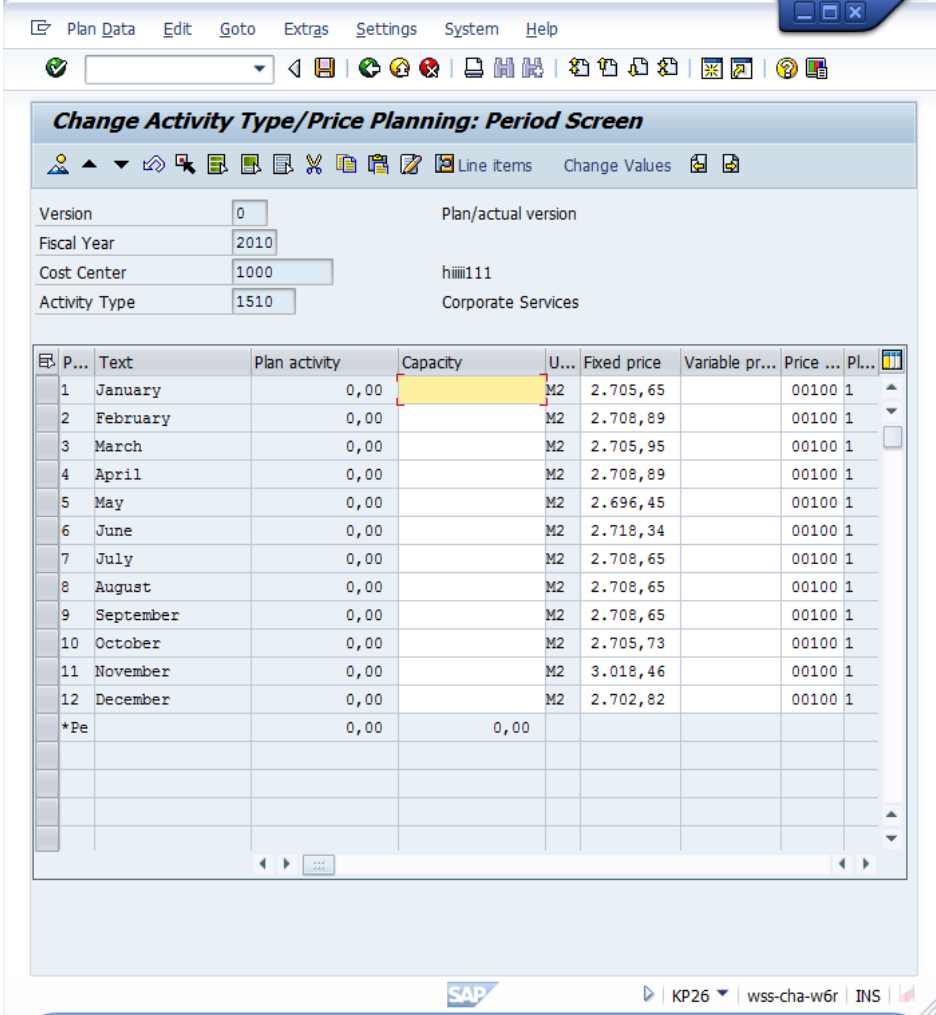
Cost Center activity quantities

Cost Center activity quantities are planned in by Activity Type in Transaction KP26.

You can also manually enter an activity rate based on last year's actual values.

It is a best practice to plan activity quantities based on practical installed capacity which accounts for downtime.

If you plan at full capacity, plan activity rates will be underestimated



The screenshot shows the SAP 'Change Activity Type/Price Planning: Period Screen' interface. The header includes menu options like 'Plan Data', 'Edit', 'Goto', 'Extras', 'Settings', 'System', and 'Help'. Below the header, there are input fields for 'Version' (0), 'Fiscal Year' (2010), 'Cost Center' (1000), and 'Activity Type' (1510). To the right, it shows 'Plan/actual version' (h1111) and 'Corporate Services'. The main area is a table with columns: 'P...', 'Text', 'Plan activity', 'Capacity', 'U...', 'Fixed price', 'Variable pr...', 'Price ...', and 'Pl...'. The table lists months from January to December, with a total row '*Pe'. The 'Capacity' column for the total row is highlighted in yellow and contains the value '0,00'. The 'Plan activity' column for all rows contains '0,00'. The 'Fixed price' column contains values ranging from 2.702,82 to 3.018,46. The 'Price ...' column contains '00100' for all rows.

P...	Text	Plan activity	Capacity	U...	Fixed price	Variable pr...	Price ...	Pl...
1	January	0,00		M2	2.705,65		00100	1
2	February	0,00		M2	2.708,89		00100	1
3	March	0,00		M2	2.705,95		00100	1
4	April	0,00		M2	2.708,89		00100	1
5	May	0,00		M2	2.696,45		00100	1
6	June	0,00		M2	2.718,34		00100	1
7	July	0,00		M2	2.708,65		00100	1
8	August	0,00		M2	2.708,65		00100	1
9	September	0,00		M2	2.708,65		00100	1
10	October	0,00		M2	2.705,73		00100	1
11	November	0,00		M2	3.018,46		00100	1
12	December	0,00		M2	2.702,82		00100	1
*Pe		0,00	0,00					



Demo

KP26

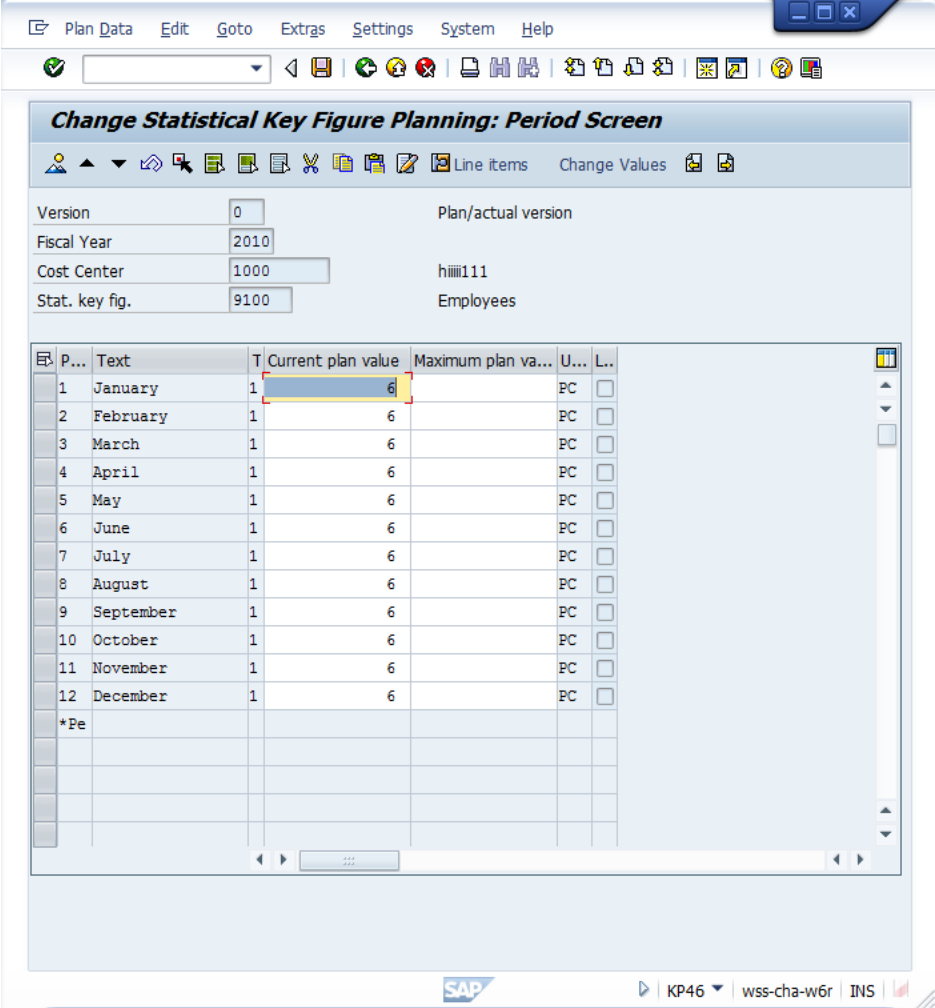


Statistical Key Figures

Statistical Key Figures are planned by Cost Center in Transaction KP46.

SKF's can be used in cost allocations.

When planning Cost Center dollars, activity quantities or rates, or SKF's it's important to ensure that your planning profile and layout are considered.



The screenshot shows the SAP 'Change Statistical Key Figure Planning: Period Screen' interface. The menu bar includes 'Plan Data', 'Edit', 'Goto', 'Extrgs', 'Settings', 'System', and 'Help'. The title bar reads 'Change Statistical Key Figure Planning: Period Screen'. Below the title bar, there are several icons and a search field. The main area contains input fields for 'Version' (0), 'Fiscal Year' (2010), 'Cost Center' (1000), and 'Stat. key fig.' (9100). To the right, it shows 'Plan/actual version' (hmm111) and 'Employees' (Employees). Below these fields is a table with columns: 'Ep.', 'P...', 'Text', 'T', 'Current plan value', 'Maximum plan va...', 'U...', and 'L...'. The table lists months from January to December, each with a 'T' value of 1 and a 'Current plan value' of 6. The 'U...' column contains 'PC' and the 'L...' column contains checkboxes. At the bottom right, the SAP logo and system information 'KP46 | wss-cha-w6r | INS' are visible.

Ep.	P...	Text	T	Current plan value	Maximum plan va...	U...	L...
1		January	1	6		PC	<input type="checkbox"/>
2		February	1	6		PC	<input type="checkbox"/>
3		March	1	6		PC	<input type="checkbox"/>
4		April	1	6		PC	<input type="checkbox"/>
5		May	1	6		PC	<input type="checkbox"/>
6		June	1	6		PC	<input type="checkbox"/>
7		July	1	6		PC	<input type="checkbox"/>
8		August	1	6		PC	<input type="checkbox"/>
9		September	1	6		PC	<input type="checkbox"/>
10		October	1	6		PC	<input type="checkbox"/>
11		November	1	6		PC	<input type="checkbox"/>
12		December	1	6		PC	<input type="checkbox"/>
		*Pe					



KP46



Other T-Codes in this family

KOAB - Order Types: Budget Profile CO - Overhead Cost Orders

CJCO - Carry Forward Project Budget FI - Funds Management

CJR2 - Project Systems Cost Elements

KPF6 - Cost Element Planning

CP26 - ABC Process Planning Quantities & Prices

7KE1 - Plan Costs and Revenues Maintenance

KPD6, 7KE5, CJS2 & CP46 - Statistical Key Figure Maintenance –
ABC Cost Entry – CP06

KO22 - Change Order Budget CO - Overhead Cost

CJ20N - Project Management

CJ37 - Budget Supplement in Project CO - Cost Planning in the
WBS



Questions

