

Financials2009

MARCH 17 – 20 • LAS VEGAS

SAP insider

**An expert guide to leveraging
SAP General Ledger to allocate
liabilities by expense category
during payroll accounting**

**Phil Taylor
RowSix LLC**

What We'll Cover ...

- **Introduction**
- **New GL – New Functionality relevant to HCM**
- **Step-by-Step Configuration**
- **Wrap-up**

Introduction

- **The Past**
- **The Need for Liability Distribution**
- **Case Study - ALAS**
- **Let's do the Math**

The Past

Liabilities Versus Expenses

- Example below shows expenses in 2 Business Areas for a given employee. Liabilities assigned to Employee's Business area at time of Payroll.

	Account no. w. text	Debit amnt	Credit amnt	BusA
Liabilities assigned to Business Area 1110	5124000000 HR ONLY ACC SAL PAY		1,630.25	1110
	5181000000 HR ONLY HEALTH INS		301.95	1110
	5187000000 HR ONLY MED IND INS		14.49	1110
	6510AASW01 STATE CLASS REG	1,800.00		1110
	6510BA0000 OLD AGE & SURV INS	110.60		1110
Expenses charged to Business Areas 1110 and 2250	6510BCSW33 MED AID FUND	2.00		1110
	6510BCSW34 MED AID SUPP PENS TX	3.54		1110
	6510BCSW35 MED AID ACCD FUND	5.10		1110
	6510BD0000 HLTH LIFE & DIS INS	252.45		1110
	6510BH0000 HOSP INS MEDC	25.86		1110
Clearing Account 1100000000 used to balance posting	6510AG0000 COMM ST PTL OF		200.00	2250
	6510AUSW12 OVERTIME OVERTIME		37.50	2250
	6510BA0000 OLD AGE & SURV INS		11.55	2250
	6510BCSW33 MED AID FUND		0.21	2250
	6510BCSW34 MED AID SUPP PENS TX		0.37	2250
	6510BCSW35 MED AID ACCD FUND		0.53	2250
	6510BH0000 HOSP INS MEDC		2.70	2250
	1100000000 HR ONLY CASH ACCT		252.86	1110
	1100000000 HR ONLY CASH ACCT	252.86		2250
	document 0000001316	2,452.41	2,452.41	

The Past - Custom Development

- **Distribute Liabilities after payroll posting**
 - ◆ Allow posting to occur without distribution of liabilities
 - ◆ Use a custom program to read posting document and distribute liabilities by expenses
 - ▶ Moderately complex development
 - ▶ Prevents use of standard FI/CO
- **Distribute Liabilities during payroll**
 - ◆ Create custom payroll operations combined with custom tables to distribute liabilities during payroll processing
 - ▶ Complex development requiring extensive testing

Introduction

- The Past
- The Need for Liability Distribution
- Case Study - ALAS
- Let's do the Math

The Need for Liability Distribution

- **Public Sector**

- ♦ Public sector clients have typically used business area as a reporting level
- ♦ Clearing accounts not usually allowed for assignment of liabilities

- **Private Sector**

- ♦ Profit center is typically used as a reporting level cost object
- ♦ New requirements for segment reporting
- ♦ New accounting requirements for liability distribution

Introduction

- The Past
- The Need for Liability Distribution
- Case Study - ALAS
- Let's do the Math

Case Study - ALAS

- **Large Public Sector Client**
- **SAP 4.7 at time of implementation**
- **Third Party Legacy Financials System**
- **Single Company Code, Multiple Business Area Configuration**
- **Hard Requirement for balanced posting at Business Area Level**
- **Clearing Account at company code level prohibited by law**

ALAS – Automated Liability Apportionment Solution

- Payroll
- Payroll Posting
- Custom program to apportion liabilities by expenses
- Interface to Legacy Accounting using data from custom program



Stop

**Solution works great
until client decides to
implement SAP FI/CO!**

ALAS – Automated Liability Apportionment Solution



Solution

**Implement the new
distribution of
liabilities functionality
in ECC 6.0**

Introduction

- The Past
- The Need for Liability Distribution
- Case Study - ALAS
- Let's do the Math

Let's do the Math

- Employee John Doe works in two different business areas during a single pay period. On the last day of the pay period he resides in business area B
- Employee earns \$750 in business area A, \$250 in B
- Employee has \$200 tax withholding, \$800 bank deposit



Problem

Debits = Credits but not at business area level!

Business Area	Type	Description	Debit	Credit
A	E	Earnings	750.00	
B	E	Earnings	250.00	
B	L	Tax Withholding		200.00
B	L	Direct Deposit		800.00

Let's do the Math

- Normal posting would show a 'due to – due from' of \$750 from business area A to B to create a balanced posting

**Debits = Credits at business area level
but clearing account required!**

Business Area	Type	Description	Debit	Credit
A	E	Earnings	750.00	
B	E	Earnings	250.00	
B	L	Tax Withholding		200.00
B	L	Direct Deposit		800.00
A		Clearing Account		750.00
B		Clearing Account	750.00	
			1750.00	1750.00

Let's do the Math

- Distributing the Liabilities would result in a balanced posting without the clearing entries

**Debits = Credits at business area level
and no clearing account!**

Business Area	Type	Description	Debit	Credit
A	E	Earnings	750.00	
B	E	Earnings	250.00	
B	L	Tax Withholding		50.00
A	L	Tax Withholding		150.00
B	L	Direct Deposit		200.00
A	L	Direct Deposit		600.00
			1000.00	1000.00

Let's do the Math

Business Area B Expenses

Original Tax Withholding

Total Expenses

Apportioned Amount

Business Area	Type	Description	Calculation	Debit	Credit
A	E	Earnings		750.00	
B	E	Earnings		250.00	
B	L	Tax Withholding	$200 * (250/750+250)$		50.00
A	L	Tax Withholding	$200 * (750/750+250)$		150.00
B	L	Direct Deposit	$800 * (250/750+250)$		200.00
A	L	Direct Deposit	$800 * (750/750+250)$		600.00
				1000.00	1000.00

What We'll Cover ...

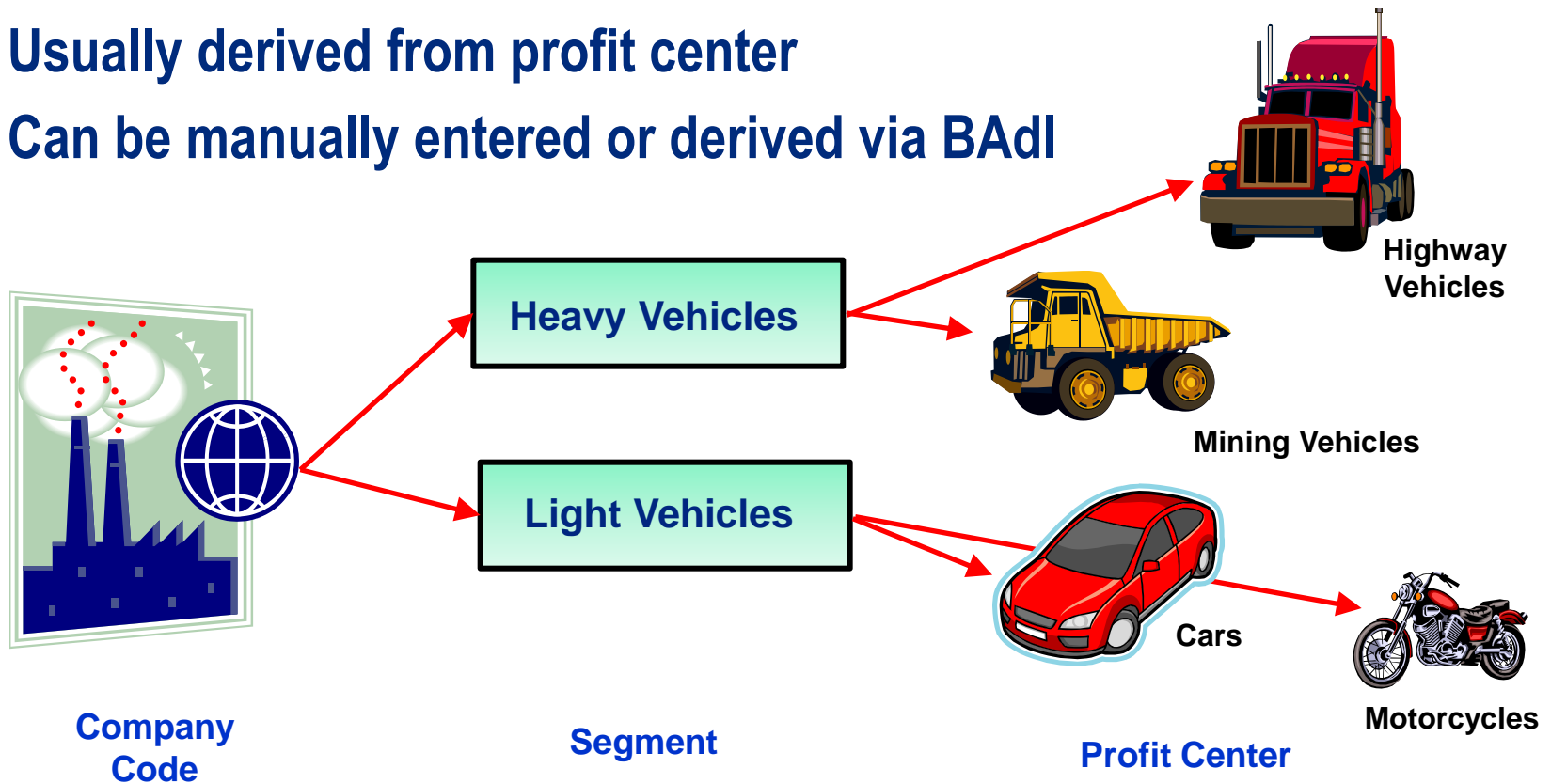
- Introduction
- **New GL – New Functionality relevant to HCM**
- Step-by-Step Configuration
- Wrap-up

New GL – New Functionality relevant to HCM

- **Segment Reporting**
- **Distribution of Liabilities by Organizational Assignment**
- **Distribution of Liabilities by Expenses**
- **Distribution of Liabilities by Expenses with inflow principle**

Segment Reporting

- New “Segment” entity for IAS and GAAP segment reporting
- Business Area or Profit Center often used for other purposes
- Enables reporting on an object level below company code
- Usually derived from profit center
- Can be manually entered or derived via BAdI



New GL – New Functionality relevant to HCM

- **Segment Reporting**
- **Distribution of Liabilities by Organizational Assignment**
- **Distribution of Liabilities by Expenses**
- **Distribution of Liabilities by Expenses with inflow principle**

Distribution of Liabilities by Organizational Assignment

- **The expense rows contain derived account assignment information such as Profit Center, Business Area or Segment from all infotypes.**
- **Account assignment is performed for the liability rows according to the master cost center from infotype 0001 (corresponding to: table WPBP in the payroll results)**
- **Account assignment from other infotypes (0015, 0014, 2010...) not used for distribution**
- **Zero-balance setting is performed, based on the settings under define document distribution characteristics**

New GL – New Functionality relevant to HCM

- Segment Reporting
- Distribution of Liabilities by Organizational Assignment
- Distribution of Liabilities by Expenses
- Distribution of Liabilities by Expenses with inflow principle

Distribution of Liabilities by Expenses

- The expense rows contain derived account assignment information such as Profit Center, Business Area or Segment from all infotypes
- Distribution is performed using cost assignment from all infotypes
- With function XCODI, this means distribution of liabilities according to expenses according to the logic of RPCIPE00.
- With function XLIDI this means that the wage types are distributed depending on their distribution bases in table T52LIDIBASE.

XLIDI



Decision
Point

XCODI

There are two different methods of liability distribution:

- XCODI – used with RPCIPE00
- XLIDI – used with RPCIPE01

New GL – New Functionality relevant to HCM

- Segment Reporting
- Distribution of Liabilities by Organizational Assignment
- Distribution of Liabilities by Expenses
- Distribution of Liabilities by Expenses with inflow principle

Distribution of Liabilities by Expenses with Inflow

- The expense rows contain derived account assignment information such as Profit Center, Business Area or Segment from all infotypes
- Distribution is performed using cost assignment from all infotypes
- With function XLIDI this means that the wage types are distributed depending on their distribution bases in table T52LIDIBASE.
- Liability inflows are postponed to the relevant outflow periods and thus in their periods of origin for those liabilities that are based on the inflow principle.

XLIDI

~~XCODI~~

XLIDI is required for inflow principle

What We'll Cover ...

- Introduction
- New GL – New Functionality relevant to HCM
- Step-by-Step Configuration
- Wrap-up

Step by Step Configuration

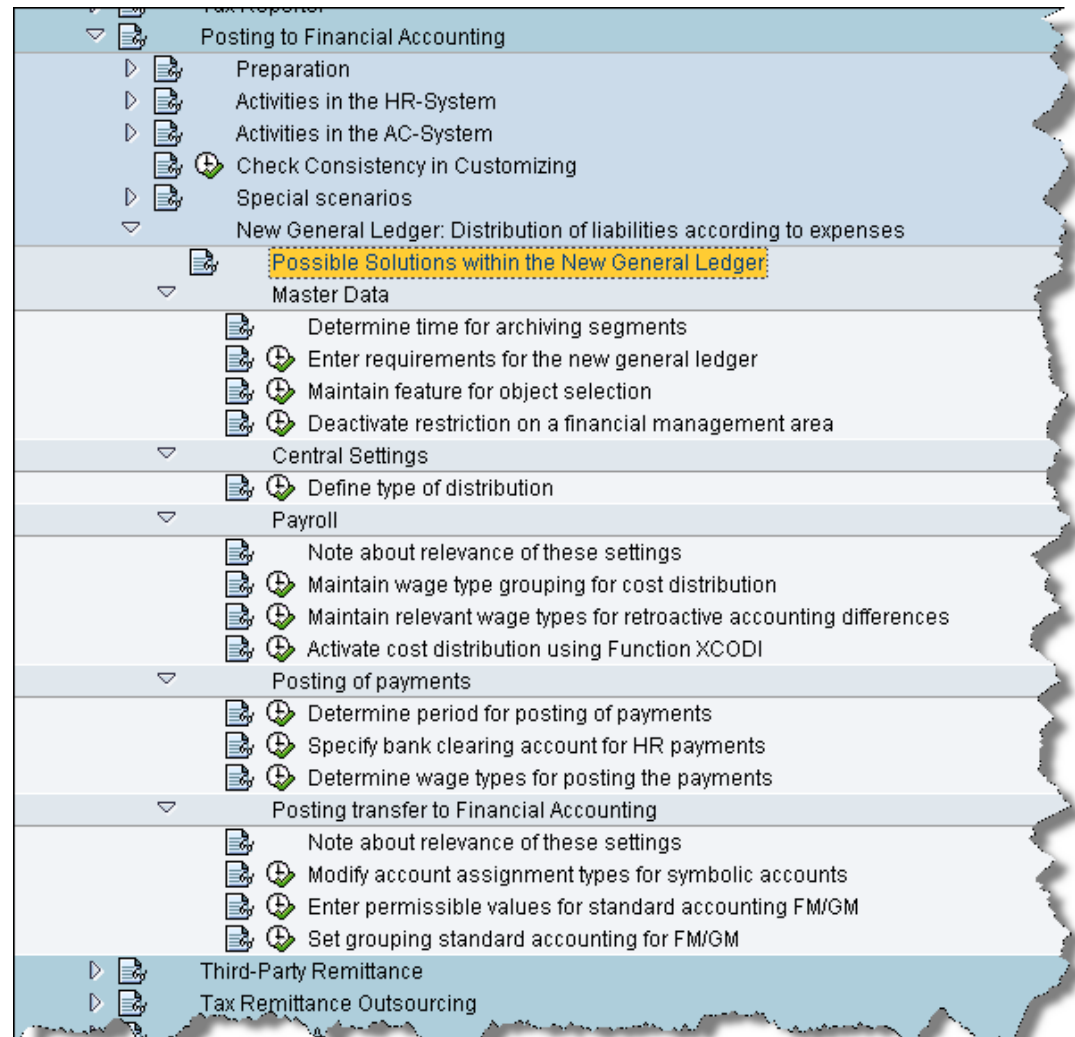
- **Introduction**
- **Master Data**
- **Central Settings**
- **Payroll**
- **Posting of Payments**
- **Posting transfer to Financial Accounting**

Step by Step - Introduction

IMG Activities

We will cover each step in the IMG to configure distribution of liabilities

Not all steps will be required to implement distribution of liabilities



Step by Step Configuration

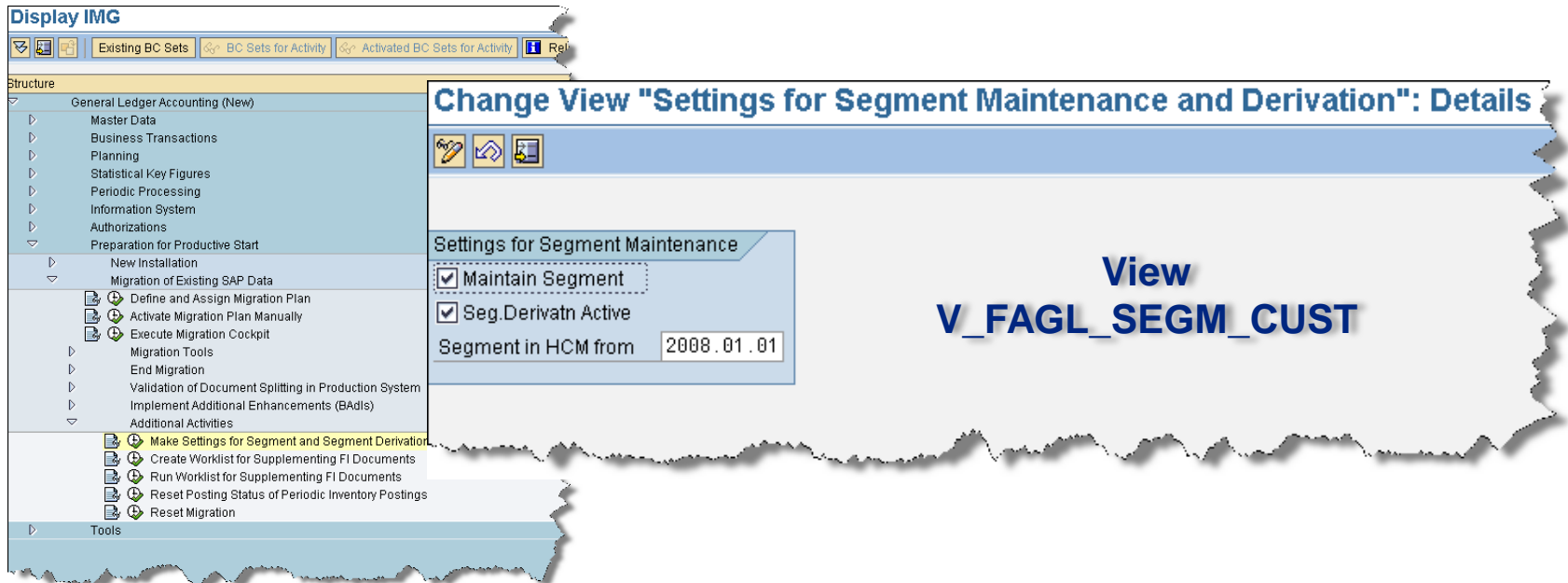
- Introduction
- **Master Data**
- Central Settings
- Payroll
- Posting of Payments
- Posting transfer to Financial Accounting

Master Data

- **Determine time for archiving segments**
- **Enter requirements for the new general ledger**
- **Maintain feature for object selection**
- **Deactivate restriction on a financial management area**

Determine time for archiving segments

- Determine date on which segment reporting should start
 - ◆ Maintain segment directly



- ◆ Maintain segment indirectly (derive from cost center)
 - ▶ Segment is not directly affected in master data

Master Data

- Determine time for archiving segments
- Enter requirements for the new general ledger
- Maintain feature for object selection
- Deactivate restriction on a financial management area

Enter requirements for the new general ledger

- Add the segment as a field in the required infotypes

This table is used on conjunction with the feature COBLT to assign allowable cost objects to the infotype screens in HCM. The desired field set is assigned to a variable key that is returned in the feature

The feature is a decision tree that determines the desired set of cost objects based on org assignment data such as personnel area

The screenshot shows two SAP configuration windows. The top window, titled 'Change View "Screen Modification for Account Assignment Block"', displays a table with the following data:

Variable key	Variable name	Text on variable names
SEL1	COBL-AUFNR	Order
SEL1	COBL-BUKRS	Company Code
SEL1	COBL-GSBER	Business Area
SEL1	COBL-KOSTL	
SEL1	COBL-KSTRG	
SEL2	COBL-BUKRS	
SEL2	COBL-GSBER	
SEL2	COBL-KOSTL	
SEL2	COBL-KSTRG	

The bottom window, titled 'Process feature COBLT: decision tree', shows a hierarchical decision tree structure:

- COBLT Screen control for assignment data
 - WERKS Personnel Area
 - 0480 Court of Appeals
 - SEL1
 - 0120 Senate
 - SEL1
 - 0110 House of Representatives
 - SEL2
 - otherwise
 - SEL2

Master Data

- Determine time for archiving segments
- Enter requirements for the new general ledger
- Maintain feature for object selection
- Deactivate restriction on a financial management area

Maintain feature for object selection

- The feature used for cost object selection is set in this step.

The feature used is set in this step

The additional payments infotype below shows the selected cost objects as determined by the feature

The screenshot displays two SAP windows. The top window, titled "Change View 'Screen Modification for Ass", contains a table with the following data:

Function Module	Feature
RP_TIME_COBL_002	COBLT

The bottom window, titled "Create Additional Payments", shows the following data:

Personnel No. 02764 Name Neumann Alfred E
PersArea 0480 Court of Appeals EGroup B Civil Service Exempt
PSubarea 0001 Non Represented ESubgroup 01 Monthly(M) OT Exem... Status Active

Additional Payments
Wage Type 1137 Uniform Fit
Amount 500.00 USD
Number/unit
Date of origin 01/20/2009
Default Date
Assignment Number
Reason for Change

Cost Assignment Defaults
Account Assignment
Company Code WA01 Business Area 0480
Cost Center Cost Object
More

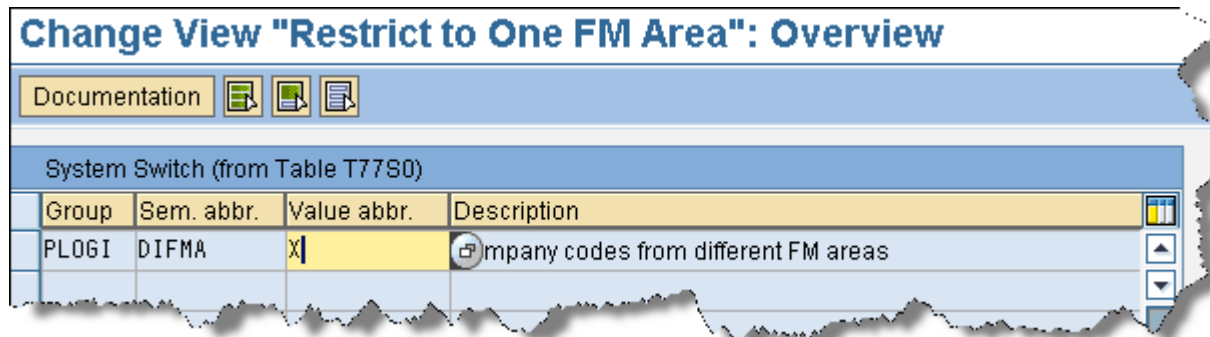
Transfer X

Master Data

- Determine time for archiving segments
- Enter requirements for the new general ledger
- Maintain feature for object selection
- Deactivate restriction on a financial management area

Deactivate restriction on a financial management area

- In this activity, you lift the company code restriction on a financial management (FM) area for each person or position
 - This allows the assignment of company codes to employee expenses outside the company code specified in the organizational assignment infotype



The screenshot shows the SAP Change View 'Restrict to One FM Area': Overview. It features a 'Documentation' button and three icons. Below is a 'System Switch (from Table T77S0)' section containing a table with columns for Group, Sem. abbr., Value abbr., and Description. The table has one row with the value 'X' in the 'Value abbr.' column and the description 'Company codes from different FM areas'.

Group	Sem. abbr.	Value abbr.	Description
PLOGI	DIFMA	X	Company codes from different FM areas

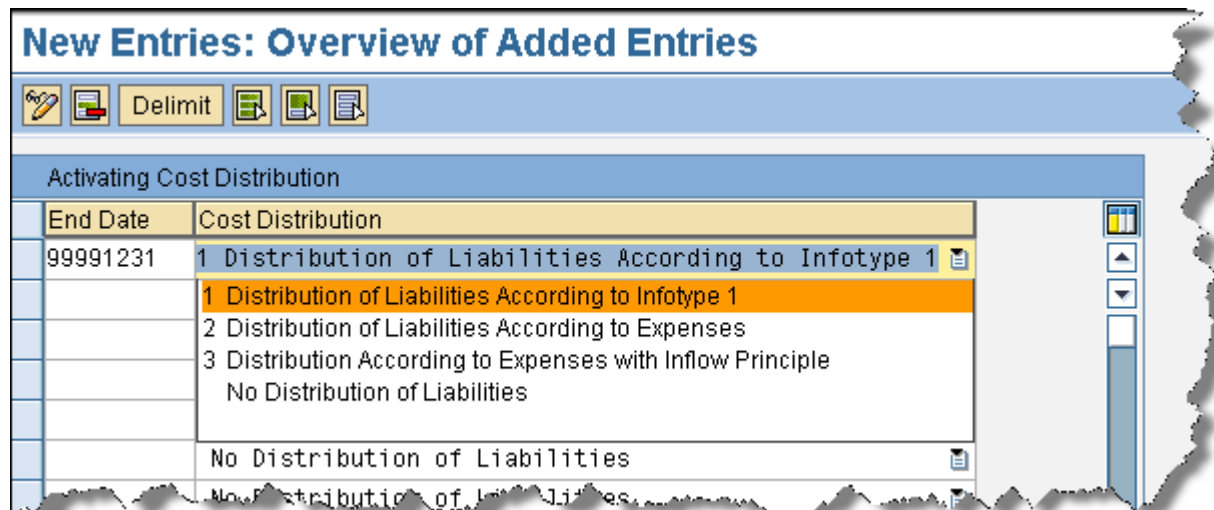
Step by Step Configuration

- Introduction
- Master Data
- **Central Settings**
- Payroll
- Posting of Payments
- Posting transfer to Financial Accounting

Central Settings

- **Define Type of Distribution**

- **No Distribution**
- **Posting liabilities according to Organization Assignment infotype (0001)**
- **Distribution of liabilities according to expenses**
- **Distribution of liabilities according to expenses taking the inflow principle into account**



No Distribution

- Only the expense rows contain derived account assignment information such as Profit Center or Segment
- There is NO account assignment or distribution of liabilities according to expenses
- There is NO zero-balance setting per account assignment in HCM

Clearing Account entries used to balance at the Business Area in the example shown



Account no. w. text	Debit amnt	Credit amnt	BusA
5124000000 HR ONLY ACC SAL PAY		1,630.25	1110
5181000000 HR ONLY HEALTH INS		301.95	1110
5187000000 HR ONLY MED IND INS		14.49	1110
6510AASW01 STATE CLASS REG	1,800.00		1110
6510BA0000 OLD AGE & SURV INS	110.60		1110
6510BCSW33 MED AID FUND	2.00		1110
6510BCSW34 MED AID SUPP PENS TX	3.54		1110
6510BCSW35 MED AID ACCD FUND	5.10		1110
6510BD0000 HLTH LIFE & DIS INS	252.45		1110
6510BH0000 HOSP INS MEDC	25.86		1110
6510AG0000 COMM ST PTL OF		200.00	2250
6510AUSW12 OVERTIME OVERTIME		37.50	2250
6510BA0000 OLD AGE & SURV INS		11.55	2250
6510BCSW33 MED AID FUND		0.21	2250
6510BCSW34 MED AID SUPP PENS TX		0.37	2250
6510BCSW35 MED AID ACCD FUND		0.53	2250
6510BH0000 HOSP INS MEDC		2.70	2250
1100000000 HR ONLY CASH ACCT		252.86	1110
1100000000 HR ONLY CASH ACCT	252.86		2250
document 0000001316	2,452.41	2,452.41	

Posting liabilities according to Organization Assignment

- The expense rows contain derived account assignment information such as Profit Center or Segment from all infotypes
- Account assignment is performed for the liability rows according to the master cost center from infotype 0001 (based on WPBP splits in payroll results)
- Zero balance setting is performed

The screenshot displays the 'Display Organizational Assignment' interface in SAP. A red arrow points to the 'Cost Ctr' field in the 'Enterprise structure' section, which is set to '4050000000'. The interface is divided into several sections:

- Personnel No.:** Includes fields for Name, PersArea (4051), Marine Division, EGroup (0), Permanent, PSubarea (000U), Deck (Unlicnsd), ESubgroup (19), H-OT Elig>Sched W..., Status (Active), Start (01/16/2007), to (12/31/9999), and Chng (01/25/2007 | 01118919).
- Enterprise structure:** Includes CoCode (WA01), STATE OF WASHINGTON, Pers.area (4051), Marine Division, Subarea (000U), Deck (Unlicnsd), Cost Ctr (4050000000), DEFAULT AGENCY..., Bus. Area (4050), Department of Transporta..., and Fund.
- Personnel structure:** Includes EE group (0), Permanent, Payr.area (11), Semi-monthly, EE subgroup (19), H-OT Elig>Sched WSF, and Contract (Permanent).
- Organizational plan:** Includes Percentage (100.00), Position (70056290), U80B2, ABLE SEAMAN, Job key (50003873), M0600, ABLE SEAMAN, Exempt (N), Org. Unit (30006178), 363221, VESSEL DECK CRE..., and Org.key (363221).
- Administrator:** Includes PersAdmin, Time (3A1), DECK OPERATIONS, UNL, and PayAdmin.

Distribution of liabilities according to expenses

- **Distribution of liabilities according to expenses with account assignment objects from all infotypes**
- **With function XCODI, this means distribution of liabilities according to expenses according to the logic of RPCIPE00**
- **With function XLIDI this means that the wage types are distributed depending on their distribution bases in table T52LIDIBASE**
- **Zero-balance setting is performed**

Distribution of liabilities according to expenses with inflow

- **Liability inflows are postponed to the relevant outflow periods and thus in their periods of origin for those liabilities that are based on the inflow principle. Therefore, there is a posting effective correction of the calculated liabilities in both the outflow and inflow period**
- **In the inflow period, the liability inflow is placed negatively in the invoice**
- **In the outflow period, the same amount is placed positively in the invoice**

Step by Step Configuration

- Introduction
- Master Data
- Central Settings
- Payroll
- Posting of Payments
- Posting transfer to Financial Accounting

Payroll

- **Overview**

- **Maintain wage type grouping for cost distribution**
- **Maintain wage types for retroactive accounting**
- **Activate Cost Distribution using function XCODI**
- **Activate Cost Distribution using function XLIDI**

Payroll Overview

- **The payroll activities are required if you have selected the following:**
 - ◆ **Distribution of Liabilities According to Expenses**
 - ◆ **Distribution According to Expenses with Inflow Principle**
- **These activities are not required if you have selected the following:**
 - ◆ **Distribution of liabilities according to the Organizational Assignment (0001)**
 - ◆ **No distribution of Liabilities**

Payroll Overview

- **RPCIPE00** – The standard payroll posting report can be used for the following:
 - ♦ **Distribution of Liabilities According to Expenses**
 - ♦ **Distribution of liabilities according to the Organizational Assignment (0001)**
 - ♦ **No distribution of Liabilities**
- **RPCIPE01** – This new report is required for:
 - ♦ **Distribution According to Expenses with Inflow Principle**

Payroll Overview

- **Payroll Functions:**

- ♦ **XCODI**

- ▶ **Can be used with RPCIPE00**

- ▶ **Used for distribution of liabilities according to expenses**

- ♦ **XLIDI**

- ▶ **Must be used with RPCIPE01**

- ▶ **Used for distribution of liabilities according to expenses with inflow principle**

Payroll

- **Overview**
- **Maintain wage type grouping for cost distribution**
- **Maintain wage types for retroactive accounting**
- **Activate Cost Distribution using function XCODI**
- **Activate Cost Distribution using function XLIDI**

Maintain wage type grouping for cost distribution

- Edit view V_T52CODIST
- Assign liability wage type to a group of wage types that will be distributed in the same manner. The groups are cummulation wage types
- Used with XCODI

Change View "Cost Distribution": Overview

Expand <-> Collapse New Entries Delimit

Wage Type	Wage Type Text	Start Date	End Date	Wage Type Grouping	Wage Type Grouping Text	Consider Country...	Basis for Perce
/460	TX ER Railroad Rtmt Tier2	2000.01.01	9999.12.31	/760	RE ER Railroad Rtmt Tier2	<input checked="" type="checkbox"/>	C Personne1
/461	TX Ss. EE Retirement Plan	2000.01.01	9999.12.31	/761	RE Ss. EE Retirement Plan	<input checked="" type="checkbox"/>	C Personne1
/462	TX Ss. EE Retirement Plan	2000.01.01	9999.12.31	/762	RE Ss. EE Retirement Plan	<input checked="" type="checkbox"/>	C Personne1
/463	TX Mass. ER Retirement PI	2000.01.01	9999.12.31	/763	RE Mass. ER Retirement PI	<input checked="" type="checkbox"/>	C Personne1
/464	TX Mass. ER Retirement PI	2000.01.01	9999.12.31	/764	RE Mass. ER Retirement PI	<input checked="" type="checkbox"/>	C Personne1
/465	TX Employer Supplemental	2000.01.01	9999.12.31	/765	RE Employer Supplemental	<input checked="" type="checkbox"/>	C Personne1
/551	Retrocalc.difference	2005.01.01	9999.12.31	/101	Total gross	<input type="checkbox"/>	C Personne1
/552	Difference prev. Period	2005.01.01	9999.12.31	/101	Total gross	<input type="checkbox"/>	C Personne1
/557	Cash payment	2005.01.01	9999.12.31	/101	Total gross	<input type="checkbox"/>	C Personne1
/558	Payment of balance	2005.01.01	9999.12.31	/101	Total gross	<input type="checkbox"/>	C Personne1
/559	Payment	2005.01.01	9999.12.31	/101	Total gross	<input type="checkbox"/>	C Personne1
/D--		2000.01.01	9999.12.31	/7--	RE	<input checked="" type="checkbox"/>	C Personne1

Payroll

- **Overview**
- **Maintain wage type grouping for cost distribution**
- **Maintain wage types for retroactive accounting**
- **Activate Cost Distribution using function XCODI**
- **Activate Cost Distribution using function XLIDI**

Maintain relevant wage types for retroactive accounting diff

- Specify whether it is a gross or net difference for the required wage types.
- If country-specific payroll tables or amount fields exist for country-specific outgoing and incoming wage types, you can likewise specify these here.

Change View "Wage Types for Distributing Retro.Acctg With Inflow Princ

New Entries

Wage Types for Distributing Retro.Acctg With Inflow Princ.

Wage Type	Long Text	Outgoing Wage ...	Long Text	Incoming WTyp	Long Text	ReAcc Type	Table Name	Table Field
/401	TX Withholding Tax	/J01	Withholding Ta...	/A01	TG Withholding Ta...	B Gross Dif...	RT	BETRG
/402	TX Earned Income...	/J02	TG Earned Income...	/A02	TG Earned Income...	B Gross Dif...	RT	BETRG
/403	TX EE Social Secu...	/J03	TG EE Social Sec. ...	/A03	TG EE Social Sec. ...	B Gross Dif...	RT	BETRG
/404	TX ER Social Secu...	/J04	TG ER Social Sec. ...	/A04	TG ER Social Sec. ...	B Gross Dif...	RT	BETRG
/405	TX EE Medicare Tax	/J05	TG EE Medicare T...	/A05	TG EE Medicare T...	B Gross Dif...	RT	BETRG
/406	TX ER Medicare T...	/J06	TG ER Medicare T...	/A06	TG ER Medicare T...	B Gross Dif...	RT	BETRG
/407	TX State Unemplo...	/J07	TG State Unemplo...	/A07	TG State Unemplo...	B Gross Dif...	RT	BETRG
/409	TX ER Special Pay...	/J09	TG ER Special Pay...	/A09	TG ER Special Pay...	B Gross Dif...	RT	BETRG

Payroll

- **Overview**
- **Maintain wage type grouping for cost distribution**
- **Maintain wage types for retroactive accounting**
- **Activate Cost Distribution using function XCODI**
- **Activate Cost Distribution using function XLIDI**

Activate Cost Distribution using function XCODI

- The payroll function XCODI is found commented in the UEND schema. Remove the comment to activate

Edit Schema: UEND

Cmmnd Stack

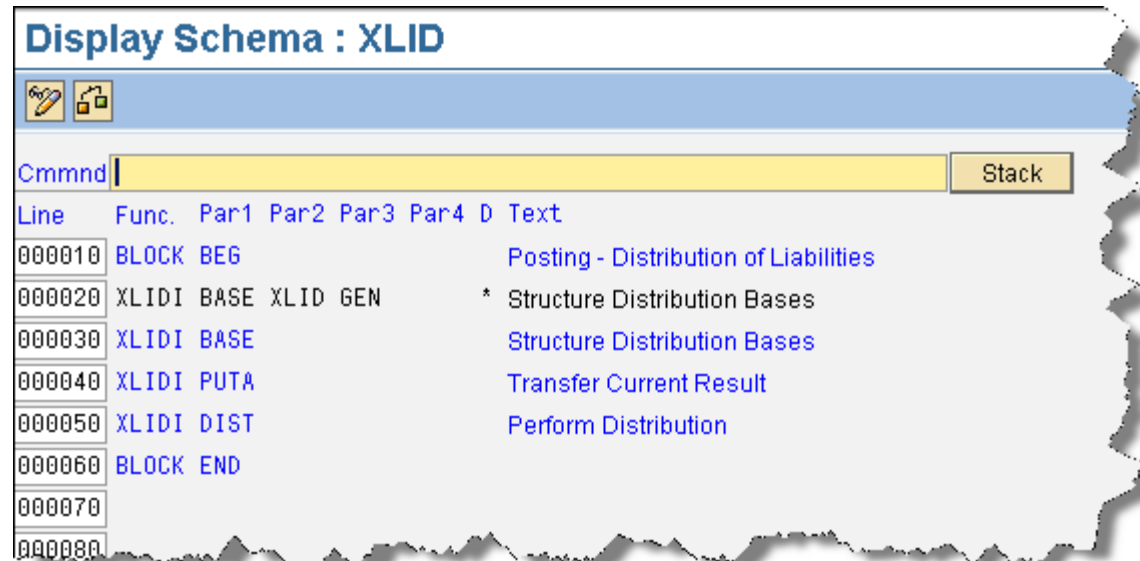
Line	Func.	Par1	Par2	Par3	Par4	D	Text
000010	BLOCK	BEG					Final processing USA
000020	XCODI	XCD0					Cost distribution
000030	PIT	X070	GEN	N0AB			Error for whatever wtype is still in IT
000040	BENTB						Update BENTAB (benefits processing)
000050	ADDCU		P30				Update cumulative results (table CRT)
000060	IF		0				Original payroll?
000070	PTCRT	UNEG	GEN	Y			Check ytd amounts in TCRT
000080	COPY	UPE1				*	PS- NRA, original final processing
000090	ELSE						
000100	COPY	UPE2				*	PS- NRA, retro final processing
000110	ENDIF						
000120	IF		R				IF retro
000130	UCQRC	1					Populate T5UQR is cross quarter
000140	ELSE						
000150	IF		SPRN				If special run (Not retro)
000160	UCQRC	2					Populate T5UQR if TR has been run
000170	ENDIF						
000180	ENDIF						
000190	UTRST						Build tax reporter index table T5UX1
000200	EXPRT		RU				Export results to database cluster RU
000210	BLOCK	END					At end of selection

Payroll

- **Overview**
- **Maintain wage type grouping for cost distribution**
- **Maintain wage types for retroactive accounting**
- **Activate Cost Distribution using function XCODI**
- **Activate Cost Distribution using function XLIDI**

Activate Cost Distribution using function XLIDI

- The subschema XLID is called in the UEND schema
 - ◆ Creates new payroll tables in PCL2 cluster:
 - ▶ LIDI – contains cost distributed liabilities
 - ▶ LIFL – contains inflow and outflow process for each liability wage type

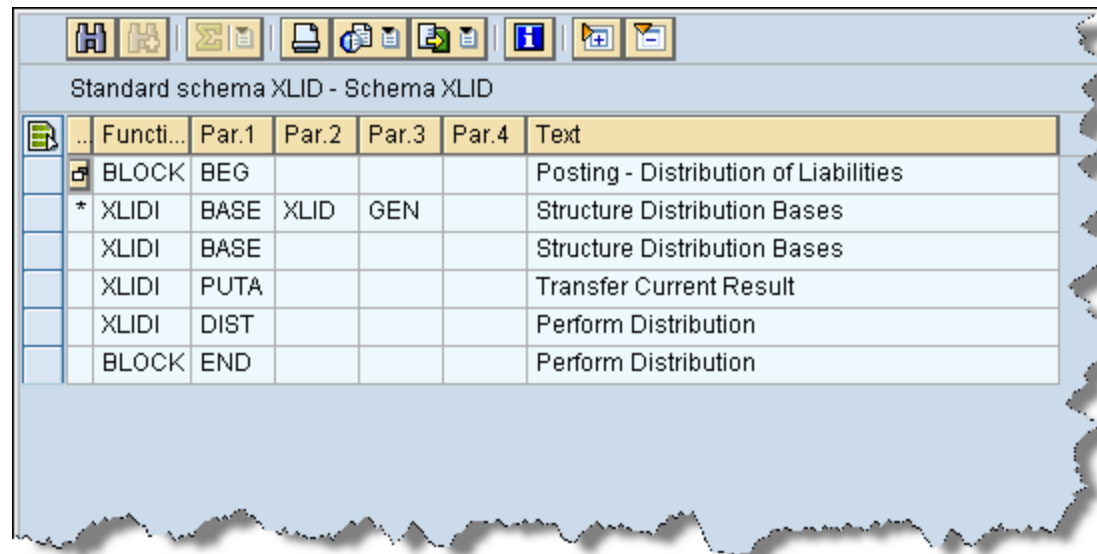


The screenshot shows the 'Display Schema : XLID' window in SAP. It features a command field with a 'Stack' button and a table of schema lines. The table columns are Line, Func., Par1, Par2, Par3, Par4, D, and Text. The lines are as follows:

Line	Func.	Par1	Par2	Par3	Par4	D	Text
000010	BLOCK	BEG					Posting - Distribution of Liabilities
000020	XLIDI	BASE	XLID	GEN		*	Structure Distribution Bases
000030	XLIDI	BASE					Structure Distribution Bases
000040	XLIDI	PUTA					Transfer Current Result
000050	XLIDI	DIST					Perform Distribution
000060	BLOCK	END					
000070							
000080							

Activate Cost Distribution using function XLIDI

- Performs liability distribution
- Found in subschema XLID which called in the UEND schema
- Fills payroll results tables LIFL and LIFI
- Uses cost distribution tables:
 - ◆ T52LIDIBASE
 - ◆ T52LIDI



The screenshot shows a SAP table titled 'Standard schema XLID - Schema XLID'. The table has the following columns: 'Functi...', 'Par.1', 'Par.2', 'Par.3', 'Par.4', and 'Text'. The data rows are as follows:

...	Functi...	Par.1	Par.2	Par.3	Par.4	Text
	BLOCK	BEG				Posting - Distribution of Liabilities
*	XLIDI	BASE	XLID	GEN		Structure Distribution Bases
	XLIDI	BASE				Structure Distribution Bases
	XLIDI	PUTA				Transfer Current Result
	XLIDI	DIST				Perform Distribution
	BLOCK	END				Perform Distribution

Activate Cost Distribution using function XLIDI

- The Expense-Related Distribution of Liability Wage Types view (V_T52LIDI) is available for maintaining table T52LIDI.

T52LIDI

Field Name	Description
MOLGA	Country Grouping
LIAB	Liability Wage Type
ENDDA	End Date
BEGDA	Start Date
DIFLAG	Distribution Indicator
CONS_CNTR1	Switch to Consider First Country Split Indicator
CONS_CNTR2	Switch to Consider Second Country Split Indicator
CONS_CNTR3	Switch to Consider Third Country Split Indicator
GROUPING_REASON	Grouping Reason for Personnel Assignments
LIAB_CUM	Cumulation Wage Type to Post

Activate Cost Distribution using function XLIDI

- The Distribution of Liability Wage Types and Inflow Principle view (V_T52LIDIBASE) is available for maintaining table T52LIDIBASE.

T52LIDIBASE

Field Name	Description
MANDT	Client
MOLGA	Country Grouping
LIAB	Liability Wage Type
DIBASE	Expense Distribution Basis for Liability Wage Types
OUTFLOW_WT	Wage Type for Gross Outflow
INFLOW_WT	Wage Type for Gross Inflow
DIBASE2	Expense Distribution Basis for Liability Wage Types
OUTFLOW_WT2	Wage Type for Gross Outflow
INFLOW_WT2	Wage Type for Gross Inflow
DIBASE3	Expense Distribution Basis for Liability Wage Types
OUTFLOW_WT3	Wage Type for Gross Outflow
INFLOW_WT3	Wage Type for Gross Inflow

Distribution Indicator

- **Differentiates gross-based liability wage types and complementary wage types**
- **Gross-based liability wage types**
 - ◆ **Amount calculated based on a gross amount**
 - ▶ **Wage and income tax based on gross amount**
 - ▶ **Social insurance contributions**
- **Complementary wage types**
 - ◆ **Wage types calculated complementary as a difference from the total gross amount plus other payments to the employee and the employee's liabilities**
 - ▶ **Includes /551, /552, /557, /558, /559, /561, /563, /565, /566**

Cost Distribution of Complementary Wage Types

Distribution by Gross Amount

Wage Type	Amount	Cost Assignment
Salary	1000	A
Tax-exempt bonus	200	B
Total gross amount	1200	A 1000 / B 200
Tax gross amount	1000	A
Tax	300	A

Cost Assignment	Payment Amount
A	$900 * 1000 / 1200 = 750$
B	$900 * 200 / 1200 = 150$

Cost Assignment	Type	Amount
A	Expenses	1000
A	Liabilities	$750 + 300 = -1050$
A	Balance	-50
B	Expenses	200
B	Liabilities	-150
B	Balance	50

Two liability wage types would exist in this example. The tax liability and the payment liability. The tax liability is a gross based liability wage type and therefore the cost distribution is in relation to the summarized cost assignments of it's gross primary wage types which in this example is the taxable salary amount which has cost A

The payment wage type is a complementary wage type since it is based on the difference between the gross primary wage type and the tax liability wage type.

Distributing by gross amount results in the \$900 payment being distributed according to the table at left

Expenses and Liabilities do not balance at the Cost Assignment level

Cost Distribution of Complementary Wage Types

Complementary Distribution

Wage Type	Amount	Cost Assignment
Salary	1000	A
Tax-exempt bonus	200	B
Total gross amount	1200	A 1000 / B 200
Tax gross amount	1000	A
Tax	300	A

Complementary distribution always generates a cleared posting balance for all involved cost assignments, whereby no zero-balance clearing clearing lines need to be generated.

Distributing by complementary distribution results in the \$900 payment being distributed according to the table at left

Wage Type	Amount	Cost Assignment
Salary	1000	A
Tax-exempt bonus	200	B
Tax	300-	A

Cost Assignment	Type	Amount
A	Expenses	1000
A	Liabilities	700 + 300 = -1000
A	Balance	0
B	Expenses	200
B	Liabilities	-200
B	Balance	0

Cost Assignment	Payment Amount
A	$900 * 700 / 900 = 700$
B	$900 * 200 / 900 = 200$

Step by Step Configuration

- Introduction
- Master Data
- Central Settings
- Payroll
- Posting of Payments
- Posting transfer to Financial Accounting




Posting of Payments

- **Determine period for posting of payments**
- **Specify bank clearing account for HR payments**
- **Determine wage types for posting the payments**

Determine period for posting of payments

- Date as of when the posting of payments from payroll table BT is activated in your system

Change View "Payment Posting Active US": Overview

Documentation   

System Switch (from Table T77S0)

Group	Sem. abbr.	Value abbr.	Description
POST	PPMUS	20090101	Payment Posting Active: USA

Specify bank clearing account for HR payments

- Enter the bank clearing account for HR payments

Payment Method

GL Account

Configured Account ID

Configured House Bank

House Bk	Acct ID	PM	Crncy	Account No
WA0ST	ACH	D	USD	111000
WA0ST	WARNT	C	USD	113001
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

Determine wage types for posting the payments

- Enter wage types that will be posted as a payment
 - ♦ /551, /552 should be entered if you have selected distribution of liabilities according to expenses or distribution of liabilities according to infotype 1
 - ♦ /568 must also be entered for US country version

New Entries: Overview of Added Entries

Delimit

View for Table t52post_payment

Wage Type	WageType Text	Start Date	End Date	Payment Method	Name
/551	Retrocalc.difference	2007.01.01	9999.12.31		
/552	Difference prev. Period	2007.01.01	9999.12.31		

Step by Step Configuration

- Introduction
- Master Data
- Central Settings
- Payroll
- Posting of Payments
- Posting transfer to Financial Accounting

Posting Transfer to Financial Accounting

- **Modify account assignment types for symbolic accounts**
- **Enter permissible values for standard accounting FM/GM**
- **Set grouping standard accounting for FM/GM**

Modify account assignment types for symbolic accounts

- **Check Account Assignment Type FC**
- **Create Symbolic Accounts with Account Assignment Type FC**
- **Define wage type posting attributes**

Modify account assignment types for symbolic accounts

- Check Account Assignment Type FC
- Create Symbolic Accounts with Account Assignment Type FC
- Define wage type posting attributes

Copied Symbolic Account 5595

Original Symbolic Account 5590

FM/GM Standard Accounting

Change View "Symbolic Accounts": Overview

SymAcctAss	SymAcctAss Description	Account...	MOMAG	Fixed MO...	Negative Posting f...
5590	SofW Wages and Salaries Payable	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5591	Post Processing for Retro Change in BA	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5592	Post Processing for Retro Change in BA	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5595	SofW Wages and Salaries Payable	FC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5710	SoW Reserved for FI Interpreter - Do not use	F	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7400	SofW Wages & Salaries Expense	C	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7402	SofW Shift Differential Pay Software Expense	C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Modify account assignment types for symbolic accounts

- Check Account Assignment Type FC
- Create Symbolic Accounts with Account Assignment Type FC
- Define wage type posting attributes

Change View "Posting a Wage Type": Overview

New Entries

Dialog Structure

- Wage Type Overview
 - Posting a Wage Type
 - Posting US Tax

Wage Type /401 TX Withholding Tax

End Date 9999.12.31

Posting a Wage Type

No	+/- sign	Proc.Type	SymAcctAss	Description of SymAcctAss	AATyp	Ignore Cost Assignm...
1	- Positive a...	Normal process...	767F	SofW Federal Tax Withholding	F	<input type="checkbox"/>

Posting Transfer to Financial Accounting

- **Modify account assignment types for symbolic accounts**
- **Enter permissible values for standard accounting FM/GM**
- **Set grouping standard accounting for FM/GM**

Enter permissible values for standard accounting FM/GM

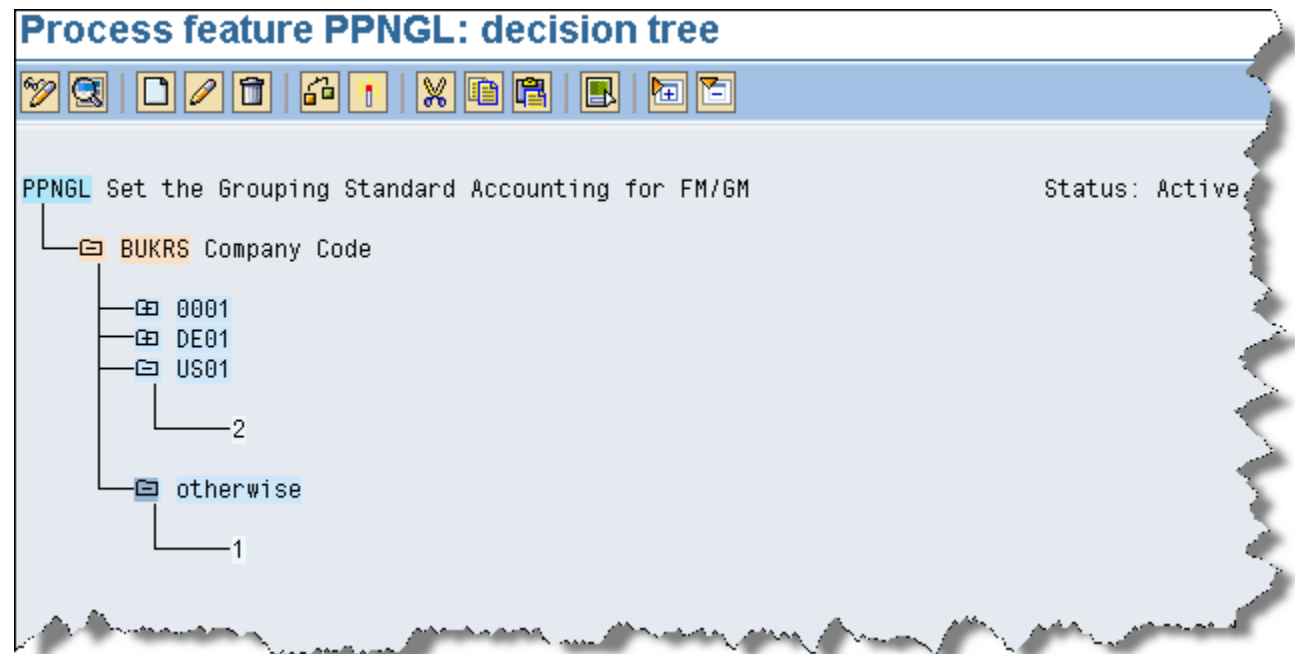
- In this activity, you enter the possible employee groupings for the standard accounting of Funds Management or Grants Management attributes.

Posting Transfer to Financial Accounting

- **Modify account assignment types for symbolic accounts**
- **Enter permissible values for standard accounting FM/GM**
- **Set grouping standard accounting for FM/GM**

Set grouping standard accounting for FM/GM

- Edit feature **PPNGL**



What We'll Cover ...

- Introduction
- New GL – New Functionality relevant to HCM
- Step-by-Step Configuration
- Wrap-up

Wrap-up

- **Segment Reporting**
- **Distribution of Liabilities by Organizational Assignment**
- **Distribution of Liabilities by Expenses**
- **Distribution of Liabilities by Expenses – Inflow Principle**
- **Payroll function XCODI**
- **Payroll Funcion XLIDI**

Resources

- **Eric Bauer, Jorg Siebert, “New General Ledger in SAP ERP Financials” (2007 SAP Press)**
- **Naeem Arif, “SAP ERP Financials: Configuration and Design “ (2007 SAP Press)**
- **IMG Documentation, Feature Documentation**
- **SAP Notes: 961937, 1039346, 1049687, 1079153, 1091802, 1176022, 1276746**

7 Key Points to Take Home

- **Distribution of liabilities was accomplished with custom techniques developed by the customer prior to ECC 6.0**
- **New GL allows for segment reporting**
- **Distribution of liabilities can be based on organizational assignment**
- **Distribution of liabilities can be expense based using XCODI and RPCIPE00**
- **Distribution of liabilities can be expense based with inflow principle using XLIDI and the new RPCIPE01**
- **Liability distribution can use the Gross Amount or Complementary distribution method**
- **Successful distribution of liabilities can be verified with a balanced RPCIPE00 or RPCIPE01 document**

Your Turn!



Questions?

**How to contact me:
Phil Taylor
philt@rowsix.net**

Disclaimer

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver®, Duet™, PartnerEdge, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Wellesley Information Services is neither owned nor controlled by SAP.