



Equity Pick Up User's Guide  
SAP Planning and Consolidation 10.0,  
version for SAP NetWeaver

PUBLIC

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## Typographic Conventions

Type Style	Description
<i>Example text</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Cross-references to other documentation.
<b>Example text</b>	Emphasized words or phrases in body text, graphic titles, and table titles.
EXAMPLE TEXT	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example text	Output on the screen. This includes file and directory names and their paths, messages, names of variables and options +arguments, source text, and names of installation, upgrade and database tools.
<b>Example text</b>	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example text>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE TEXT	Keys on the keyboard, for example, F2 or ENTER.

# History

Date	Description
1.0	Initial version
1.1	The topic “Recording the Equity Pickup Result of the Gross Method” on page 23 was added for new functionality available with Support Package 10 (SAP note 1817947).

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## Overview

Based on FR Y-9LP, a parent regulatory reporting form, a parent entity must identify income and investments generated from direct subsidiaries by type; these types are *bank subsidiaries*, *non-bank subsidiaries*, and *bank holding company subsidiaries*.

Bank entities need to report standalone parent-only financial statements to adhere to Federal Reserve reporting requirements for the filing of financial statements on a single entity basis. The regulatory requirements, for measurement and recognition purposes, conform to United States GAAP accounting principles unless specific guidance is provided from regulators. Proper application of the equity method in the preparation of financial statement for parent-only reporting should result in reported income that is attributed to direct subsidiaries. The income from direct subsidiaries should include the pick up from its own direct children.

Equity pick up aims at reevaluating investments made in subsidiaries by making a comparison between the book value of an investment and the subsidiary's total equity.

For example, a holding entity invested \$1,000 USD into a subsidiary that is 100% owned. Years later, the total equity of the subsidiary entity fluctuated due to accumulated profits or losses. As a result, the current total equity varies from the original investment amount. Assuming that the total equity of the subsidiary is \$1,500 USD, then the required equity pick up entry is \$500 USD. Therefore, the equity pick up double-sided entry for the holding entity reflects an increase in the investment value, balanced by an increase in its own equity.

Debit	Credit
Investment in Sub 500	Equity 500

In a situation in which the holding company owns 80% of the subsidiary, and the remaining 20% is owned by another entity within the group, the entries would be the following:

Debit	Credit
Investment in Sub 500	Equity (500 x 80%) = 400 Non-controlling interest (500 x 20%) = 100

The concept shown above is implemented in a simplified way when it comes to computation of the amount. Two distinct sets of accounts are used in the calculation as the source of the equity pick up calculation:

- For the P&L: Net income/loss for the year
- For the balance sheet: Other comprehensive income

## Enabling Equity Pick Up Functionality

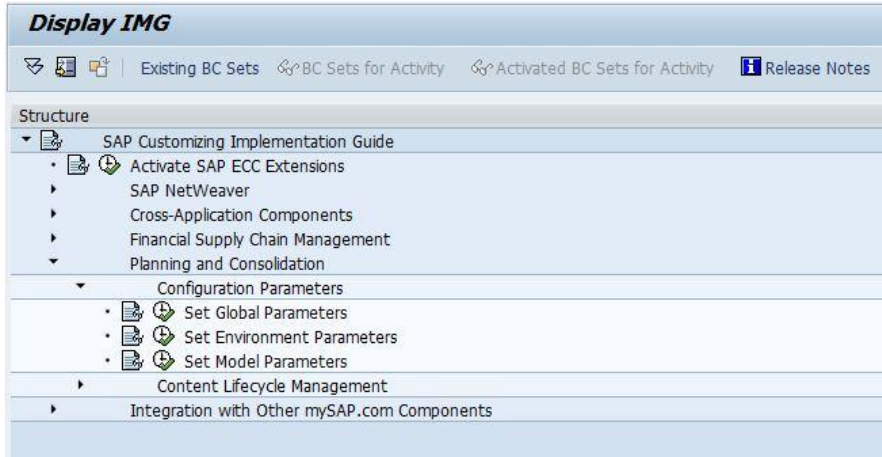
### Prerequisite

To use equity pick up functionality within Planning and Consolidation, you must upgrade your Planning and Consolidation 10.0, version for SAP NetWeaver, installation to support package 8 or later.

# Enable Equity Pick Up

1. Enable the global switch for equity pick up.

Run transaction **SPRO**, choose SAP Reference IMG > Planning and Consolidation > Configuration Parameters > Set Global Parameters.

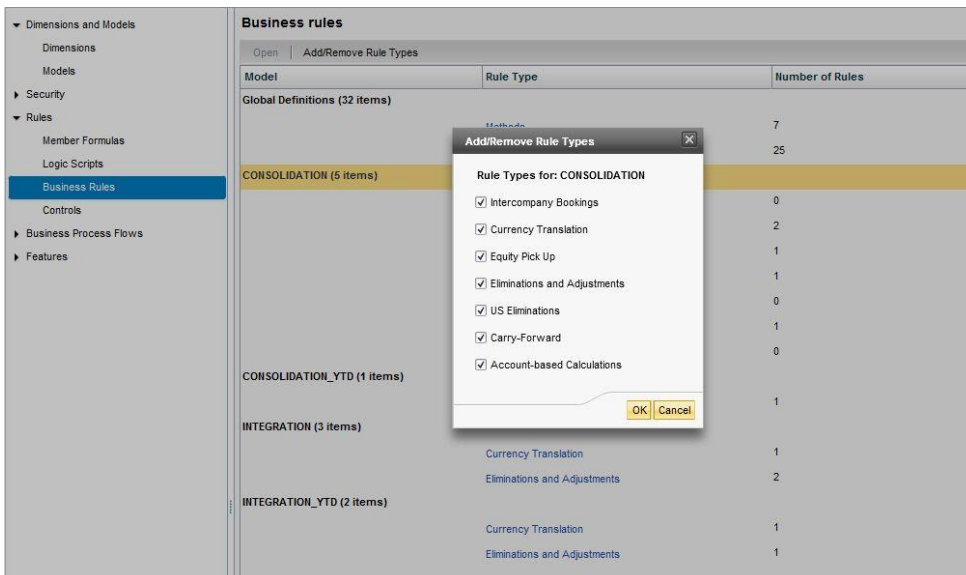


Add a new parameter with the field name **ENABLE\_EQUITY\_PICK\_UP**, and set the value to **X**.

CLIENTUPDATE	FALSE
CLIENTUPT	TRUE
CLIENTVERSION	7.0.701
CLM_CUR_CHUNK	1
<b>ENABLE_EQUITY_PICK_UP</b>	<b>X</b>
ENABLE_LARGE_KEY_FIGURE	X
ENABLE_REPORT_ARCHIVED_AUDIT	X

2. Enable equity pick up for each model.

In the Planning and Consolidation web client, navigate to Admin > Business Rules > Add/Remove Rule Types, then activate Equity Pick Up.



## Security for Equity Pick Up

The following new tasks have been added to Planning and Consolidation for equity pick up:

- View Equity Pick Up Monitor
- Run Equity Pick Up Tasks
- View Equity Pick Up Report

Add these three tasks to your relevant task profiles.

## Business Rule Definition

The business rule for equity pick up has three tabs: General, Controlling, Non-Controlling.

### General Tab

On the General tab, define the general configuration for equity pick up.

The screenshot shows the 'Equity Pick Up Rule: CONSOLIDATION' configuration window. It has three tabs: 'General', 'Controlling', and 'Non-Controlling'. The 'General' tab is active. At the top, there is a 'Validate' button. Below it, the status is 'Valid' with a green dot. The configuration includes several fields with dropdown menus and checkboxes:

- Source Audit: TOTAL\_INPUT
- Destination Audit: AJ\_EPU
- Ownership Account: POWN
- Controlling Parent ID: EPU\_C
- Non-Controlling Parent ID: EPU\_NC
- Periodic Calc:
- Read Non-Intco Member Only:  ⓘ
- Other Dimensions Filter: (empty text box)
- Force Destination Members: PRODUCT=PRODUCT2,P\_ACTIVITY=A004

- **Source Audit:** Source audit ID members for equity pick up, which can be a base member, a DIMLIST member, or a parent node in an audit ID dimension.
- **Destination Audit:** Destination audit ID member, which can be a base member only.
- **Ownership Account:** The driven member ID in an account dimension for the ownership model. This indicates whether there is a controlling or non-controlling scenario. By default, an ownership value larger than 50% indicates a controlling scenario. An ownership value between 20% and 50% is a non-controlling scenario. An ownership value that is less than 20% is ignored.
- **Controlling Parent ID:** Override account in the ownership model. Uses a controlling scenario.
- **Non-Controlling Parent ID:** Override account in ownership model. Uses a non-controlling scenario.
- **Periodic Calc:** Use when applying a periodic calculation.
- **Read Non-Intco Member Only:** Indicates whether to read only the transaction data for the non-intco member as the source data.
- **Other Dimension Filter:** Filters for other dimensions, normally for user-defined dimensions.
- **Force Destination Members:** Destination dimension members for user-defined dimensions.
- **Net Income:** The source accounts and flow accounts for net income, which normally are P&L accounts.

- **Other Comprehensive Income:** The source accounts and flow accounts for other comprehensive income, which normally are Equity accounts.

Note: The net income and other comprehensive income can be used together.

## Controlling Tab

On the Controlling tab, define the destination dimension members for a controlling scenario.

Validate					
General Controlling Non-Controlling					
	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	25740000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750001	F_900		<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350001	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	38000000	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>
NCI (Minority)	39101000	F_900		<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income		F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750000	F_900		<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350000	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>

- **Net Income:** For net income accounts, the equity pick up result has both destination accounts for the balance sheet and P&L.
- **Other Comprehensive Income:** For other comprehensive income accounts, the equity pick up result has only destination accounts for the balance sheet.
- **Ownership Account:** Ownership accounts used to calculate the result. (See notes below.)
- **Force Closing:** When selected, the equity pick up result is copied to the closing flow.
- **Force Intco Member:** When selected, the equity pick up result is copied to the non-intco member, for example, I\_NONE.

### Notes:

- Special treatment for PCON: You can choose PCON for the ownership account in a controlling scenario. The value of PCON is 100% in this case.
- For destination minority accounts, such as Equity (Minority/NCI) and NCI (Minority), you cannot select the ownership account. The value is derived according to the configuration. For example, if POWN is selected for Equity (Group Share) and PCON is selected for Investment Asset, the minority percentage would be PCON – POWN. If POWN is selected for both Equity (Group Share) and Investment Asset, the minority percentage would be POWN – POWN = 0. Therefore, there is no minority result.

## Non-Controlling Tab

On the Non-Controlling tab, define the destination dimension members for a controlling scenario.

	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	25740000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350001	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	38000000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income		F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>

Note that there are no destination minority accounts on the Non-Controlling tab.

- **Net Income:** For net income accounts, the equity pick up result has both destination accounts for the balance sheet and P&L.
- **Other Comprehensive Income:** For other comprehensive income accounts, the equity pick up result has only destination accounts for the balance sheet.
- **Ownership Account:** Ownership accounts used to calculate the result.
- **Force Closing:** When selected, the equity pick up result is copied to the closing flow.
- **Force Intco Member:** When selected, the equity pick up result is copied to the non-intco member, for example, I\_NONE.

## Equity Pick Up Monitor

An equity pick up monitor is introduced in Consolidation Central. Like the consolidation monitor, the equity pick up monitor provides the status of equity pick up processing. You can also use the equity pick up monitor to trigger an equity pick up calculation and view the audit report for equity pick up calculations.

Order	Investor	Investee	Ownership	Status
1	C2010	C2210	60%	To Be Executed
2	C2010	C2220	100%	To Be Executed
3	C2220	C2210	30%	To Be Executed

# Equity Pick Up Audit Report

The Equity Pick Up audit report checks the calculated result for equity pick up. The report combines ownership relationship information with transaction data to provide a clear representation of the calculation results.

Equity Pick Up Audit Report											
<input type="text" value="C_100"/> <input type="text" value="2009.JAN"/> <input type="text" value="C2210:C2210"/> <input type="text" value="EUR"/> <span style="float: right;">Refresh</span>											
Report generated on 2012-07-17 10:33:50. <span style="float: right;">Connected to Environment: DEMO_EPU</span>											
	Ownership					Source Data			Destination Data		
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount	
1	[C2210] PC4You Briti		[C2110] PC4You N	60%	✔	Net Income	INPUT	3000	[25740000] B/S Retained Earnings (Group)	1800	
							AJ_EPU	0	[12350000] B/S Investment Asset1	3000	
									[38000000] P&L Investment Income	3000	
2		[C2220] PC4You Fri	[C2110] PC4You N	30%		Net Income	INPUT	3000	[25750000] B/S Non-Controlling Interest1	900	
							AJ_EPU	0	[39101000] P&L NCI Expense	900	
3		Third Party	[C2110] PC4You N	10%		Net Income	INPUT	3000	[25750000] B/S Non-Controlling Interest1	300	
							AJ_EPU	0	[39101000] P&L NCI Expense	300	

To view an Equity Pick Up audit report, select a line in the equity pick up monitor and choose *Audit report*.

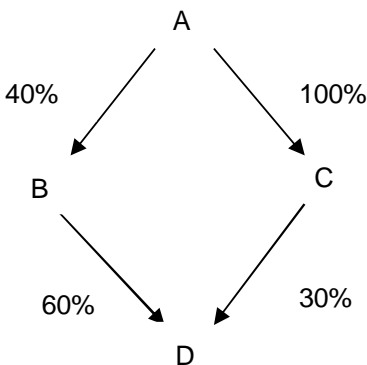
## Examples of Equity Pick Up

For more information about using equity pick up, see the following examples:

- Equity Pick Up Using Net Income Accounts
- Equity Pick Up Using Other Comprehensive Income
- Equity Pick Up Using Multiple OCI Accounts
- Equity Pick Up with an Override Account
- Equity Pick Up with Mutual Ownership
- Periodic Calculation
- Force Closing
- Force Intco Member
- Other Dimension Filters and Force Destination Member

## Equity Pick Up Using Net Income Accounts

Imagine we have the following ownership hierarchy:



- A: PC Deutschland
- B: PC Britain
- C: PC France
- D: PC Netherlands

## Maintain DirectOwnership in a Ownership Model

The direct ownership between entities is maintained by an input form. In this example, an input form for the ownership model is created using POWN for the equity pick up.

POWN_input								
C_100		2009.JAN	PC4You Deutschland AG	POWN	NON_GROUP	I_999999	Periodic	+
Save Data Refresh Suppressed Drill Through(0) Work Status Edit More								
Entity	IntCo							
	PCYou Deutschland AG	PC4You British Company	PC4You France Company	PC4You Netherlands Compa...				
PCYou Deutschland AG		0,4000000	1,0000000					
PC4You British Company				0,6000000				
PC4You France Company		0,0000000			0,3000000			

Note that to maintain the direct ownership between entities, the dimension member for scope/group should be a non-group member whose group type property is N.

## Input Net Income for All Entities

Create an input form to input the net income amount for related entities.

NI_input					
C_100		2009.JAN	A1000:PC4You Deutschland AG	11111000:Cash Equivalents	F_810
PRODUCT2 +					
Save Data Refresh Suppress Drill Through(0) Work Status Edit More					
Entity	Account	Time			
		2009.JAN			
C2220 - PC4You France Company	35300000 - P&L Net Income	1.000,0000000			
C2210 - PC4You British Company	35300000 - P&L Net Income	2.000,0000000			
C2110 - PC4You Netherlands Company	35300000 - P&L Net Income	3.000,0000000			

## Business Rule

The general equity pick up business rule looks like the following:

Administration of DEMO\_EPU

Save Close

**Equity Pick Up Rule: CONSOLIDATION**

Validate

General Controlling Non-Controlling

Status:  Valid

Source Audit: INPUT

Destination Audit: AJ\_EPU

Ownership Account: POWN

Controlling Parent ID:

Non-Controlling Parent ID:

Periodic Calc:

Read Non-Intco Member Only:  ⓘ

Other Dimensions Filter:

Force Destination Members: PRODUCT=PRODUCT2,P\_ACTIVITY=A004

**Net Income:**

Delete	
	Source Account
1	35000000
2	LISTF

The ownership account POWN is assigned to decide whether it is a controlling or non-controlling scenario. According to the existing ownership relationship:

Entity	Intco	POWN	Controlling	Non-controlling
Deutschland	British	40%		X
Deutschland	France	100%	X	
Britain	Netherlands	60%	X	
France	Netherlands	30%		X

The account 35000000 is a parent node in the account dimension, which includes the account 35300000, P&L Net Income.

The flow member LISTF is a dimlist in the flow dimension, which includes the flow member F\_810 used in the input form.

The Controlling tab looks like the following:

Validate

General Controlling Non-Controlling

	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	25740000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750001	F_900		<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350001	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	38000000	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>
NCI (Minority)	39101000	F_900		<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income		F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750000	F_900		<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350000	F_900	PCON	<input type="checkbox"/>	<input type="checkbox"/>

For a net income account under a controlling scenario, the system generates five destination accounts at most. Two are P&L accounts:

- Investment Income
- NCI (Minority). NCI refers to Non-Controlling Interest.

The aggregated amount of these two accounts is the real amount to be picked up.

The three other destination accounts are balance sheet accounts:

- Equity (Group Share) is the final equity amount to be picked up.
- Equity (Minority/NCI) is the minority part of the equity amount.
- Investment Asset is the balance asset account.

The Non-Controlling tab looks like the following, which is similar to the Controlling tab, but without minority accounts:

	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	25740000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350001	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	38000000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income		F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350000	F_900	POWN	<input type="checkbox"/>	<input type="checkbox"/>

## Equity Pick Up Monitor

The monitor looks like the following:

Order	Investor	Investee	Ownership	Status
1	[C2010] PCYou Deutschland AG	[C2210] PC4You British Company	40%	To Be Executed
2	[C2010] PCYou Deutschland AG	[C2220] PC4You France Company	100%	To Be Executed
3	[C2210] PC4You British Company	[C2110] PC4You Netherlands Compar	60%	To Be Executed
4	[C2220] PC4You France Company	[C2110] PC4You Netherlands Compar	30%	To Be Executed

The monitor shows the investor entities, its investee entities, the ownership percentages, and the current status.

## Calculation Result

First, check the equity pick up result for France, which owns 30% of Netherlands.

This is a non-controlling scenario, and the result is the following:

EPU\_report

C\_100 2009.JAN A1000:PC4You Deutschland AG 2:Income Statement F\_900 EUR NON\_GROUP All\_InterCo

AJ\_EPU A004 PRODUCT2 +

Finish Editing Type Report Format Chart

Entity	Account	IntCo	
		I_C2110	I_NONE
C2220 - PC4You France Company	25740000 - B/S Retained Earnings (Group)	900,0000000	
	25750001 - B/S Non-Controlling Interest1		
	12350001 - B/S Investment Asset1	900,0000000	
	38000000 - P&L Investment Income	900,0000000	
	39101000 - P&L NCI Expense		

For a non-controlling scenario, there is no minority result. Therefore, in the rule definition, all destination accounts use POWN to calculate the result.

The original net income for Netherlands is 3,000 EUR, and the POWN is 30%. The result is 900 EUR.

The intco dimension is used to indicate the 900 EUR is contributed by the entity Netherlands. (I\_C2110 is the intco member for Netherlands.)

Next, check the equity pick up result for Britain, which owns 60% of Netherlands.

This is a controlling scenario, and the result is the following:

EPU\_report

C\_100 2009.JAN A1000:PC4You Deutschland AG 2:Income Statement F\_900 EUR NON\_GROUP All\_InterCo

AJ\_EPU A004 PRODUCT2 +

Finish Editing Type Report Format Chart

Entity	Account	IntCo		
		I_C2110	I_C2220	I_NONE
C2210 - PC4You British Company	25740000 - B/S Retained Earnings (Group)	1.800,0000000		
	25750001 - B/S Non-Controlling Interest1		900,0000000	300,0000000
	12350001 - B/S Investment Asset1	3.000,0000000		
	38000000 - P&L Investment Income	3.000,0000000		
	39101000 - P&L NCI Expense		900,0000000	300,0000000

For a controlling scenario, the ownership percentage is 60%. Therefore, the equity pick up result is 1800 EUR (3000 \* 60%), which is posted to the group account 25740000.

The remaining 1200 is the minority amount.

The balance asset account 12350001 is posted with the sum value 3000 because it will use PCON to do the calculation. The value PCON is 100% in a controlling scenario by default.

Here, the remaining 40% belongs to two parts: 30% for France and 10% for a third party. The minority amount would also be posted accordingly. They will be distinguished by the intco dimension. The 30% of the minority belongs to France, so 900 EUR is posted to I\_C2220. (I\_C2220 is the intco member for France). The remaining 300 EUR is posted to I\_NONE.

For P&L account 38000000, according to the rule, it uses PCON as the calculation account. It will have the same result as the investment asset.

For the minority account 39101000, it is the same as the minority of the balance sheet, which is distinguished by into members.

Check the equity pick up result for the parent entity Deutschland, which owns both Britain and France.

EPU_report								
C_100		2009.JAN	A1000:PC4You Deutschland AG	2:Income Statement	F_900	EUR	NON_GROUP	All_InterCo
AJ_EPU		A004	PRODUCT2	+				
Finish Editing		Type	Report	Format	Chart			
Entity	Account	IntCo						
		I_C2220	I_C2210	I_NONE				
C2010 - PCYou Deutschland AG	25740000 - B/S Retained Earnings (Group)	1.900,000000	1.520,000000					
	25750001 - B/S Non-Controlling Interest1	0,0000000		0,0000000				
	12350001 - B/S Investment Asset1	1.900,000000	1.520,000000					
	38000000 - P&L Investment Income	1.900,000000	1.520,000000					
	39101000 - P&L NCI Expense	0,0000000		0,0000000				

The net income for France (C2220) is 1000 EUR. It picks up 900 EUR from its investee Netherlands. The total amount is 1900 EUR. Deutschland owns 100% of France, so the equity pick up result is 1900 EUR without minority.

The net income for Britain (C2210) is 2000 EUR. It picks up 1800 EUR from its investee Netherlands. The total amount is 3800 EUR. Deutschland owns 40% of Britain, so the equity pick up result is 1520 EUR without minority in a non-controlling scenario.

## Audit Report

From the monitor, you can open the audit report to check the calculation results. The audit report combines ownership information with equity pick up results.

The following illustration is the audit report for entity Britain:

Equity Pick Up Audit Report										Refresh
C_100		2009.JAN	C2210:C2210		EUR					
Report generated on 2012-07-17 10:33:50.										Connected to Environment: DEMO_EPU
	Ownership				Is Controlling	Source Data			Destination Data	
	Parent	Minority Entity	Trading Partner	Ownership		Source Account	Data Source Type	Amount	Destination Account	Amount
1	[C2210] PC4You Briti		[C2110] PC4You N	60%	✓	Net Income	INPUT	3000	[25740000] B/S Retained Earnings (Group)	1800
							AJ_EPU	0	[12350001] B/S Investment Asset1	3000
									[38000000] P&L Investment Income	3000
2		[C2220] PC4You Fri	[C2110] PC4You N	30%		Net Income	INPUT	3000	[25750001] B/S Non-Controlling Interest1	900
							AJ_EPU	0	[39101000] P&L NCI Expense	900
3		Third Party	[C2110] PC4You N	10%		Net Income	INPUT	3000	[25750001] B/S Non-Controlling Interest1	300
							AJ_EPU	0	[39101000] P&L NCI Expense	300

Britain owns 60% of Netherlands. Thirty percent of the ownership of Netherlands belongs to France, and the remaining 10% belongs to a third party. In the audit report, the result is organized by the various investors.

The following illustration is the audit report for entity Deutschland:

Equity Pick Up Audit Report											Refresh
C_100		2009.JAN		C2010:C2010		EUR					
Report generated on 2012-07-17 16:06:07.										Connected to Environment: DEMO_EPU	
	Parent	Ownership				Source Account	Source Data		Destination Data		Amount
		Minority En...	Trading Partner	Ownership	Is Controlling		Data Source Type	Amount	Destination Account	Amount	
1	[C2010] PCYou Deutsc		[C2210] PC4You Britis	40%		Net Income	INPUT	2000	[25740000] Br/S Retained Earnings (Group	1520	
							AJ_EPU	1800	[12350001] Br/S Investment Asset1	1520	
									[38000000] P&L Investment Income	1520	
2	[C2010] PCYou Deutsc		[C2220] PC4You Fran	100%	✓	Net Income	INPUT	1000	[25740000] Br/S Retained Earnings (Group	1900	
							AJ_EPU	900	[12350001] Br/S Investment Asset1	1900	
									[38000000] P&L Investment Income	1900	

Deutschland owns both Britain and France. In the audit report, the result is organized by the different investees. For the investee's source data, the report also differentiates the type for INPUT and AJ\_EPU, which is defined in the business rule.

## Equity Pick Up Using Other Comprehensive Income

Unlike the example shown in the previous section, the source account for equity pick up can also be an equity account. These equity accounts are called *other comprehensive income* and can be defined in the business rule as source accounts. The difference is that having a source account as an equity account generates the equity pick up result only on the balance sheet. There is no P&L result.

## Rule Definition

The rule is defined as shown below:

Source accounts and flow:

Other Comprehensive Income:

Delete	
Source Account	Source Flow
1 LISTOCI	LISTF
2	

Controlling scenario:

Other Comprehensive Income:

Balance Sheet:

Other Comprehensive Income	26001002	F_900	POWN
Equity (Minority/NCI)	25750000	F_900	
Investment Asset	12350000	F_900	PCON

Non-controlling scenario:

Other Comprehensive Income:

Balance Sheet:

Other Comprehensive Income	26001002	F_900	POWN
Investment Asset	12350000	F_900	POWN

## Ownership Information and OCI Transaction Data

Assume we reuse the same ownership relationship from the previous example.

The following transaction data is input:

NI_input			
C_100	2009.JAN	A1000:PC4You Deutschland AG	11111000:Cash Equivalent
			F_810 EUR
Save Data Refresh Suppress Drill Through(0) Work Status Edit More			
Entity	Account	Time	
		2009.JAN	
C2220 - PC4You France Company	26001003 - B/S Other Comprehensive Income	1,000.0000000	
C2210 - PC4You British Company	26001003 - B/S Other Comprehensive Income	2,000.0000000	
C2110 - PC4You Netherlands Company	26001003 - B/S Other Comprehensive Income	3,000.0000000	

Account 26001003 is one member of the account dimlist LISTOCI.

## Equity Pick Up Result

Use the audit report to check the result for entity Britain first.

Equity Pick Up Audit Report											Refresh
C_100		2009.JAN		C2210:C2210		EUR					
Report generated on 2012-07-17 17:02:15.										Connected to Environment: DEMO_EPU	
Line	Ownership					Source Data			Destination Data		
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount	Amount
1	[C2210] PC4You Brit		[C2110] PC4You Neth	60%	✔	Net Income	INPUT	3000	[25740000] B/S Retained Earnings (Group)	1800	
							AJ_EPU	0	[12350001] B/S Investment Asset1	3000	[38000000] P&L Investment Income
2						Other Comprehensive Inc	INPUT	3000	[26001002] B/S Other Comprehensive Income	1800	
							AJ_EPU	0	[12350000] B/S Investment Asset	3000	
3	[C2220] PC4You		[C2110] PC4You Neth	30%		Net Income	INPUT	3000	[25750001] B/S Non-Controlling Interest1	900	
							AJ_EPU	0	[39101000] P&L NCI Expense	900	
4						Other Comprehensive Inc	INPUT	3000	[25750000] B/S Non-Controlling Interest	900	
							AJ_EPU	0			
5	Third Party		[C2110] PC4You Neth	10%		Net Income	INPUT	3000	[25750001] B/S Non-Controlling Interest1	300	
							AJ_EPU	0	[39101000] P&L NCI Expense	300	
6						Other Comprehensive Inc	INPUT	3000	[25750000] B/S Non-Controlling Interest	300	
							AJ_EPU	0			

In the audit report, the equity pick up result is organized by Net Income and OCI accounts. Because we use the same ownership relationship, and the same amount for source OCI accounts, the equity pick up result is the same as the result for Net Income. The only difference is there is no P&L account in the result.

Check the result for entity Deutschland.

Equity Pick Up Audit Report											Refresh
C_100		2009.JAN		C2010:PCYou Deutschland AG		EUR					
Report generated on 2012-07-17 17:13:13.										Connected to Environment: DEMO_EPU	
Line	Ownership					Source Data			Destination Data		
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount	Amount
1	[C2010] PCYou Deuts		[C2210] PC4You Brits	40%		Net Income	INPUT	2000	[25740000] B/S Retained Earnings (Group)	1520	
							AJ_EPU	1800	[12350001] B/S Investment Asset1	1520	[38000000] P&L Investment Income
2						Other Comprehensive Inc	INPUT	2000	[26001002] B/S Other Comprehensive Income	1520	
							AJ_EPU	1800	[12350000] B/S Investment Asset	1520	
3	[C2010] PCYou Deuts		[C2220] PC4You Fran	100%	✔	Net Income	INPUT	1000	[25740000] B/S Retained Earnings (Group)	1900	
							AJ_EPU	900	[12350001] B/S Investment Asset1	1900	[38000000] P&L Investment Income
4						Other Comprehensive Inc	INPUT	1000	[26001002] B/S Other Comprehensive Income	1900	
							AJ_EPU	900	[12350000] B/S Investment Asset	1900	

## Equity Pick Up Using Multiple OCI Accounts

You may have the need to perform a deeper analysis for different types of equity accounts. You would expect that the equity pick up result can be differentiated by the different source of equity account, instead of posting the aggregated result to a single destination OCI account. This can be achieved by a simple change in the business rule. In the Controlling tab and Non-Controlling tab, you can leave the destination account blank for the destination account for OCI (other comprehensive income). In this way, the calculation engine calculates equity pick up for all

OCI accounts one by one (the source accounts defined in the General tab). The result is posted to the current OCI account itself.

## Rule Definition

We use the same rule definition shown in the previous example.

Other Comprehensive Income:

Delete		
	Source Account	Source Flow
1	LISTOCI	LISTF
2		

In the Controlling tab and Non-Controlling tab, leave the destination OCI account blank.

Other Comprehensive Income:

Balance Sheet:

Other Comprehensive Income	<input type="text"/>	F_900	POWN
Equity (Minority/NCI)	25750000	F_900	
Investment Asset	12350000	F_900	PCON

Other Comprehensive Income:

Balance Sheet:

Other Comprehensive Income	<input type="text"/>	F_900	POWN
Investment Asset	12350000	F_900	POWN

## Input OCI Data

For the source account defined in the General tab, the dimlist LISTOCI contains two accounts: 26001002 and 26001003. Input transaction data for both of these accounts.

NI_input			
C_100	2009.JAN	A1000:PC4You Deutschland AG	11111000:Cash Equivalents
<span>Save Data</span> <span>Refresh</span> <span>Suppress</span> <span>Drill Through(0)</span> <span>Work Status</span> <span>Edit</span> <span>More</span>			
Entity	Account	Time	
		2009.JAN	
C2220 - PC4You France Company	26001002 - B/S Other Comprehensive Income	3,000.0000000	
	26001003 - B/S Other Comprehensive Income	1,000.0000000	
C2210 - PC4You British Company	26001002 - B/S Other Comprehensive Income	2,000.0000000	
	26001003 - B/S Other Comprehensive Income	2,000.0000000	
C2110 - PC4You Netherlands Company	26001002 - B/S Other Comprehensive Income	1,000.0000000	
	26001003 - B/S Other Comprehensive Income	3,000.0000000	

## Equity Pick Up Result

Execute the equity pick up calculation and check the result using the audit report.

First, check the result for entity Britain.

Equity Pick Up Audit Report											Refresh		
C_100											2009.JAN	C2220	EUR
Report generated on 2012-07-24 10:27:36.											Connected to Environment: DEMO_EPU Model: CONSOLIDATION		
No.	Ownership					Source Data			Destination Data				
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount			
1	[C2220] PC4You Frai		[C2110] PC4You Netf	30%	✓	[26001002] B/S Other Compr	INPUT	1000	[26001002] B/S Other Comprehensive I	300			
							AJ_EPU	0	[12350000] B/S Investment Asset	1000			
2						[26001003] B/S Other Compr	INPUT	3000	[26001003] B/S Other Comprehensive I	900			
							AJ_EPU	0	[12350000] B/S Investment Asset	3000			
3		[C2210] PC4You Briti	[C2110] PC4You Netf	60%		[26001002] B/S Other Compr	INPUT	1000	[25750000] B/S Non-Controlling Interes	600			
							AJ_EPU	0					
4						[26001003] B/S Other Compr	INPUT	3000	[25750000] B/S Non-Controlling Interes	1800			
							AJ_EPU	0					
5		Third Party	[C2110] PC4You Netf	10%		[26001002] B/S Other Compr	INPUT	1000	[25750000] B/S Non-Controlling Interes	100			
							AJ_EPU	0					
6						[26001003] B/S Other Compr	INPUT	3000	[25750000] B/S Non-Controlling Interes	300			
							AJ_EPU	0					

From the report, you can see there are two rows for both 26001002 and 26001003. The equity pick up amount is also posted to the same OCI account 26001002 and 26001003 separately with the amount 600 EUR and 1800 EUR.

Notice that for account 12350000, Investment Asset, and the minority account 25750000, Non-controlling interest, there are two separate amounts for both OCI accounts. In the database, however, there is only one entry for the investment asset or non-controlling interest with the aggregated value. This is because the system differentiates the destination account only for OCI accounts. For the investment asset or minority equity account, you currently cannot

have the same behavior with OCI accounts. The currently displayed result is to give you a better understanding of the result.

Check the result for entity Deutschland.

Equity Pickup Audit Report Refresh

C\_100 2009.JAN C2010 EUR

Report generated on 2012-07-24 10:42:51. Connected to Environment: DEMO\_EPU Model: CONSOLIDATION

Line	Parent	Minority Entity	Ownership			Source Account	Source Data		Destination Data	
			Trading Partner	Ownership	Is Controlling		Data Source Type	Amount	Destination Account	Amount
1	[C2010] PCYou Deuts		[C2210] PC4You Briti	40%		[26001002] B/S Other	INPUT	2000	[26001002] B/S Other	1040
							AJ_EPU	600	[12350000] B/S Inves	1040
2						[26001003] B/S Other	INPUT	2000	[26001003] B/S Other	1520
							AJ_EPU	1800	[12350000] B/S Inves	1520
3	[C2010] PCYou Deuts		[C2220] PC4You Fran	100%	✔	[26001002] B/S Other	INPUT	3000	[26001002] B/S Other	3300
							AJ_EPU	300	[12350000] B/S Inves	3300
4						[26001003] B/S Other	INPUT	1000	[26001003] B/S Other	1900
							AJ_EPU	900	[12350000] B/S Inves	1900

## Recording the Equity Pickup Result of the Gross Method

By default, the result of the net method is written back to the database. You can have the system record in multiple other comprehensive income (OCI) cases the equity pickup result of the gross method as well by setting the model level IMG parameter named MINORITY\_AUDIT\_FOR\_OCI by performing the following steps:

1. Go to transaction SPRO.
2. Expand to SAP Customizing Implementation Guide > Planning and Consolidation > Set Model Parameter.
3. Click *Execute* for Set Model Parameter.
4. Input the corresponding environment and model ID, then click *Execute*.
5. On the Model Parameter page, if the field MINORITY\_AUDIT\_FOR\_OCI exists, maintain its value by clicking *Change*. If this field does not exist, you can create it by clicking the *Insert* button.
6. The value of this parameter should be a member of Audit dimension. Normally it should be a newly created member used specifically for storing the data of minority OCI in the gross method when running equity pickup.

This parameter affects only Other Comprehensive Income in a controlling case; OCI data in a non-controlling case and functionality related to Net Income is not affected.

After enabling this parameter, data of the three OCI rules is adapted as follows:

- Data generated based on the rule B/S Other Comprehensive Income:  
OCI data of gross method is stored in a destination account (or corresponding source account in multiple OCI cases), destination flow, and destination audit ID, which is the same as before when storing net method OCI data.  
Based on this rule, a new group of data for OCI minority is generated, which is stored in the same destination account (or corresponding source account in multiple OCI cases), destination flow, and new audit ID maintained in IMG. This new data will be negative.  
For a certain destination account and flow pair, the sum of the data in the destination audit ID and data in new IMG audit ID will be the same as the result of net method before.
- Data generated based on the rule B/S Equity(Minority/NCI) remains the same.
- Data generated based on the rule B/S Investment Asset remains the same.

## Equity Pick Up with an Override Account

On the General tab of an equity pick up business rule, you should assign an ownership account to determine whether a controlling scenario or a non-controlling scenario applies. By default, if the percentage is larger than or equal to 50%, a controlling scenario exists. If the percentage is between 20% and 50%, a non-controlling scenario exists. If the percentage is less than 20%, controlling and non-controlling status is ignored during equity pick up calculation.

Sometimes in complicated business situations, the default behavior cannot reflect the real controlling status. For example, a company owns only 40% of another company, but should still be treated as a controlling parent. In another situation, one company may own only 10% of another company, but in some cases, this subsidiary should still be counted in an equity pick up calculation.

On the General tab, you can assign two special ownership accounts as an override account. Once these override accounts are input, they are used to determine whether a controlling scenario or non-controlling scenario exists instead of using the percentage itself.

## Ownership Account Dimension

In the account dimension for an ownership model, add two new members. You can decide the member ID.

Members of Dimension: O_ACCT							
Delete		Revert		Recently Deleted Members	Apply Hierarchy Order ▾	Display ▾	Export to CSV
ID	Description	Accou...	DIMLIST				
1	EPU_C	EPU controlling account	AST				
2	EPU_NC	EPU non-controlling account	AST				
3	METHOD	Consolidation Method	AST				
4	METHOD_SYS	Consolidation Method	AST				

In this example, two new accounts are created: EPU\_C and EPU\_NC.

## Business Rule

On the General tab of the equity pick up rule, assign these two accounts as the override account for controlling and non-controlling scenarios.

Administration of DEMO\_EPU

Save Close  The business rule has been successfully saved and validated.

### Equity Pick Up Rule: CONSOLIDATION

Validate

General Controlling Non-Controlling

Status:  Valid

Source Audit: INPUT

Destination Audit: AJ\_EPU

Ownership Account: POWN

Controlling Parent ID: EPU\_C

Non-Controlling Parent ID: EPU\_NC

Periodic Calc:

Read Non-Intco Member Only:  ⓘ

Other Dimensions Filter:

Force Destination Members: PRODUCT=PRODUCT2,P\_A

## Maintain Ownership Data

Besides the direct ownership percentage, maintain the override account as shown below:

POWN\_input

C\_100 2009.JAN PC4You Deutschland AG POWN NON\_GROUP L\_999999 Periodic +

Save Data Refresh Suppress Drill Through(0) Work Status Edit More

Entity	Account	IntCo			
		PC4You Deutschlan...	PC4You British Com...	PC4You France Comp...	PC4You Netherlands ...
PCYou Deutschland AG	POWN		0.4000000	1.0000000	
	EPU_C				
	EPU_NC				
PC4You British Company	POWN				0.6000000
	EPU_C				
	EPU_NC				1
PC4You France Company	POWN		0.0000000		0.3000000
	EPU_C				1
	EPU_NC				
PC4You Netherlands Company	POWN				
	EPU_C				
	EPU_NC				

In the illustration above, since Britain owns 60% of Netherlands, there is an additional EPU\_NC of 1. This means that although the ownership percentage is larger than 50%, the system treats it as a non-controlling scenario. Since France owns 30% of Netherlands, there is also an EPU\_C of 1. This means that although the ownership percentage is less than 50%, the system treats it as a controlling scenario.

The ownership relationship is the following:

Entity	Intco	POWN	EPU_C	EPU_NC	Controlling	Non-Controlling
Deutschland	Britain	40%				X
Deutschland	France	100%			X	
Britain	Netherlands	60%		1		X
France	Netherlands	30%	1		X	

## Equity Pick Up Result

Check the result for entity Britain.

Equity Pick Up Audit Report												Refresh
C_100		2009.JAN		C2210		EUR						
Report generated on 2012-07-24 10:22:42.						Connected to Environment: DEMO_EPU Model: CONSOLIDATION						
Parent	Minority Entity	Ownership			Source Data			Destination Data				
		Trading Partner	Ownership	Is Controlling	Source Account	Data Source Ty...	Amount	Destination Account	Amount			
1 [C2210] PC4You Briti		[C2110] PC4You Ne	60%		[26001002] B/S Other Co	INPUT	1000	[26001002] B/S Other Comprehensive In	600			
						AJ_EPU	0	[12350000] B/S Investment Asset	600			
2					[26001003] B/S Other Co	INPUT	3000	[26001003] B/S Other Comprehensive In	1800			
						AJ_EPU	0	[12350000] B/S Investment Asset	1800			

Although Britain own 60% of Netherlands, this is treated as a non-controlling scenario. There is no minority result.

Check the result for entity France.

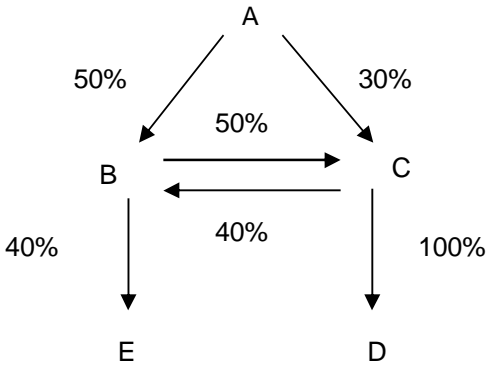
Equity Pick Up Audit Report												Refresh
C_100		2009.JAN		C2220		EUR						
Report generated on 2012-07-24 10:27:36.						Connected to Environment: DEMO_EPU Model: CONSOLIDATION						
Parent	Minority Entity	Ownership			Source Data			Destination Data				
		Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount			
1 [C2220] PC4You Frai		[C2110] PC4You Neth	30%	✔	[26001002] B/S Other Compr	INPUT	1000	[26001002] B/S Other Comprehensive I	300			
						AJ_EPU	0	[12350000] B/S Investment Asset	1000			
2					[26001003] B/S Other Compr	INPUT	3000	[26001003] B/S Other Comprehensive I	900			
						AJ_EPU	0	[12350000] B/S Investment Asset	3000			
3	[C2210] PC4You Briti	[C2110] PC4You Neth	60%		[26001002] B/S Other Compr	INPUT	1000	[25750000] B/S Non-Controlling Interes	600			
						AJ_EPU	0					
4					[26001003] B/S Other Compr	INPUT	3000	[25750000] B/S Non-Controlling Interes	1800			
						AJ_EPU	0					
5	Third Party	[C2110] PC4You Neth	10%		[26001002] B/S Other Compr	INPUT	1000	[25750000] B/S Non-Controlling Interes	100			
						AJ_EPU	0					
6					[26001003] B/S Other Compr	INPUT	3000	[25750000] B/S Non-Controlling Interes	300			
						AJ_EPU	0					

## Equity Pick Up with Mutual Ownership

In the business world, two or more companies might have mutual ownership. For example, Company A owns 60% of B and Company B owns 30% of A. This increases the complexity of the equity pick up calculation, so in practice most companies perform only a simple calculation to approximate the amount. However, the Planning and Consolidation can calculate an accurate value.

## Maintain Ownership Data and Transaction Data

Imagine we have the following ownership hierarchy:



- A: PC Deutschland
- B: PC Britain
- C: PC France
- D: PC Netherlands
- E: PC Poland

The input ownership data is the following:

POWN_input					
C_100 2008.JAN PC4You Deutschland AG POWN NON_GROUP I_999999 Periodic +					
Save Data Refresh Suppress Drill Through(0) Work Status Edit More					
Entity	IntCo				
	PCYou Deutschan...	PC4You British Company	PC4You France Company	PC4You Netherlands Co...	PC4You Poland Company
PCYou Deutschland AG		0.5000000	0.3000000	0.0000000	
PC4You British Company			0.5000000		0.4000000
PC4You France Company		0.4000000		1.0000000	
PC4You Netherlands Company					0.0000000
PC4You Poland Company					

The input transaction data is the following:

NI_input			
C_100	2008.JAN	A1000:PC4You Deutschland AG	11111000:Cash Equivalents
PRODUCT2		F_810	EUR
NON_GR			
Save Data Refresh Suppress Drill Through(0) Work Status Edit More			
Entity	Account	Time	
		2008.JAN	
C2220 - PC4You France Company	35300000 - P&L Net Income	1,000.0000000	
C2210 - PC4You British Company	35300000 - P&L Net Income	1,000.0000000	
C2110 - PC4You Netherlands Company	35300000 - P&L Net Income	1,000.0000000	
C2120 - PC4You Poland Company	35300000 - P&L Net Income	1,000.0000000	

## Equity Pick Up Monitor in Mutual Ownership

In a mutual ownership situation, the monitor appears as follows:

Equity Pick Up Monitor						Connected to Environment: DEMO_EPU	Model: CONSOLIDATION
C_100	2008.JAN	C2010	EUR				
Equity Pick Up	Display Running Processes	Reset	Refresh	Audit Report	✓ Show Description		
Order	Investor	Investee	Ownership	Status			
1	[C2010] PC4You Deutschland A	[C2210] PC4You British Compa	50%	To Be Executed			
2	[C2010] PC4You Deutschland A	[C2220] PC4You France Comp	30%	To Be Executed			
3	[C2210] PC4You British Compa	[C2120] PC4You Poland Comp	40%	To Be Executed	🔗		
4	[C2210] PC4You British Compa	[C2220] PC4You France Comp	50%	To Be Executed	🔗		
5	[C2220] PC4You France Comp	[C2110] PC4You Netherlands C	100%	To Be Executed	🔗		
6	[C2220] PC4You France Comp	[C2210] PC4You British Compa	40%	To Be Executed	🔗		

In the monitor, the column on the right side shows an icon to indicate that the entity is involved in a mutual ownership situation. This not only includes the entities that have mutual ownership with other entities, but also includes these entities' direct subsidiaries. In this example, Britain and France own each other, so these entities and their direct subsidiaries of Netherlands and Poland are shown with this icon.

## Equity Pick Up Result

The following is the equity pick up result for entity France:

Equity Pick Up Audit Report											Refresh
C_100	2008.JAN	C2220	EUR								
Report generated on 2012-07-24 13:19:07.				Connected to Environment: DEMO_EPU Model: CONSOLIDATION							
	Ownership				Source Data			Destination Data			
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source T...	Amount	Destination Account	Amount	
1	[C2220] PC4You Frar		[C2110] PC4You Net	100%	✓	Net Income	INPUT	1000	[25740000] B/S Retained Earnings (Group)	1000	
							AJ_EPU	0	[12350001] B/S Investment Asset1	1000	
									[38000000] P&L Investment Income	1000	
2	[C2220] PC4You Frar		[C2210] PC4You Briti	40%		Net Income	INPUT	1000	[25740000] B/S Retained Earnings (Group)	1200	
							AJ_EPU	2000	[12350001] B/S Investment Asset1	1200	
									[38000000] P&L Investment Income	1200	

The following is the equity pick up result for entity Britain:

Equity Pick Up Audit Report										Refresh
C_100		2008.JAN	C2210	EUR						
Report generated on 2012-07-24 13:18:58.					Connected to Environment: DEMO_EPU Model: CONSOLIDATION					
Line	Ownership				Is Controlling	Source Data			Destination Data	
	Parent	Minority Entity	Trading Partner	Ownership		Source Account	Data Source Type	Amount	Destination Account	Amount
1	[C2210] PC4You Brit		[C2120] PC4You Pola	40%		Net Income	INPUT	1000	[25740000] B/S Retained Earnings (Group	400
							AJ_EPU	0	[12350001] B/S Investment Asset1	400
									[38000000] P&L Investment Income	400
2	[C2210] PC4You Brit		[C2220] PC4You Fran	50%	✔	Net Income	INPUT	1000	[25740000] B/S Retained Earnings (Group	1600
							AJ_EPU	2200	[12350001] B/S Investment Asset1	3200
									[38000000] P&L Investment Income	3200
3		[C2010] PCYou Deut	[C2220] PC4You Fran	30%		Net Income	INPUT	1000	[25750001] B/S Non-Controlling Interest1	960
							AJ_EPU	2200	[39101000] P&L NCI Expense	960
4		Third Party	[C2220] PC4You Fran	20%		Net Income	INPUT	1000	[25750001] B/S Non-Controlling Interest1	640
							AJ_EPU	2200	[39101000] P&L NCI Expense	640

France has one direct subsidiary, Netherlands, with 100% ownership and 1000 EUR in net income. France, therefore, picks up 1000 EUR from Netherlands.

France also owns 40% of Britain. As shown in the the result above, Britain's equity pick up result is 2000 EUR (as explained below). The equity pick up result from Britain is 1200 EUR (3000 EUR \* 40%).

The total equity pick up result for France is 2200 EUR (1000 EUR + 1200 EUR).

Britain has one direct subsidiary, Poland, with 40% ownership and 1000 EUR in net income. Britain picks up 400 EUR from Poland.

Britain also owns 50% of France. As shown in the analysis above, the total equity pick up result is 2200 EUR. The equity pick up from France is 1600 EUR (3200 EUR \* 50%).

The total equity pick up result for Britain is 2000 EUR (400 EUR + 1600 EUR).

Equity pick up functionality in Planning and Consolidation calculates the result based on the following simple formula:

$$EPU_{parent} = (OCI/NI_{child} + EPU_{child}) * Ownership_{parent-child}$$

As illustrated in these examples, Planning and Consolidation can support not only two entities with mutual ownership, but also more entities with complicated ownership situations.

## Periodic Calculation

In a consolidation scenario, using a YTD model is a common choice. Like other business rules, equity pick up also supports periodic calculation to support a YTD model.

Ownership data is input as follows:

POWN_input							
C_100	2009.JAN	PC4You Deutschland AG	POWN	NON_GROUP	L_999999	Periodic	+
Save Data Refresh Suppress Drill Through(0) Work Status Edit More							
Entity	Account	IntCo		Time			
		PC4You British Company		PC4You France Company		PC4You Netherlands Company	
		2007.JAN	2007.FEB	2007.JAN	2007.FEB	2007.JAN	2007.FEB
PC4You Deutschland AG	POWN	0.6000000	0.7000000	0.4000000	0.3000000		
PC4You British Company	POWN					0.8000000	0.7000000
PC4You France Company	POWN					0.2000000	0.3000000
PC4You Netherlands Company	POWN						

The original input account for the OCI account is input as follows:

NI_input						
C_100	2005.FEB	F_810	EUR	NON_GROUP	INPUT	Year To Date
Save Data Refresh Suppress Comments(0) Drill Through(0) Work Status Edit More						
Entity	Account	Time				
		2007.JAN	2007.FEB			
C2220 - PC4You France Company	26001002 - B/S Other Comprehensive Income	1,000.0000000	2,000.0000000			
C2210 - PC4You British Company	26001002 - B/S Other Comprehensive Income	1,000.0000000	2,000.0000000			
C2110 - PC4You Netherlands Company	26001002 - B/S Other Comprehensive Income	1,000.0000000	2,000.0000000			

The equity pick up result for Britain is the following:

EPU_report							
C_100	2005.TOTAL	A1000:PC4You Deutschland AG	1:Balance Sheet	F_900	EUR	NON_GROUP	All_InterCo
Remove Dimension Comments(0) Drill Through(0) Work Status Edit More							
Entity	Account	Time		IntCo			
		2007.JAN		2007.FEB			
		L_C2110	L_C2220	L_C2110	L_C2220		
C2210 - PC4You British Company	26001002 - B/S Other Comprehensive Income	800.0000000		1,500.0000000			
	25750000 - B/S Non-Controlling Interest		200.0000000		500.0000000		
	12350000 - B/S Investment Asset	1,000.0000000		2,000.0000000			

The equity pick up account 26001002 for January is 800 EUR, which is 1000 EUR \* 80%.

The result for February is 1500 EUR because the periodic amount of February is 1000 EUR, which is 2000 EUR – 1000 EUR. The periodic amount for the equity pick up result is 700 EUR because the ownership percentage of February is 70%. The YTD amount is 1500 EUR, which is 800 EUR + 700 EUR.

For the minority account 25750000, it is the same.

The equity pick up result for France is as follows:

EPU_report								
C_100	2005.TOTAL	A1000:PC4You Deutschland AG	1:Balance Sheet	F_900	EUR	NON_GROUP	All_InterCo	AJ_EPU
Refresh   Suppress   Comments(0)   Drill Through(0)   Work Status   Edit   More								
Entity	Account	Time	IntCo	2007.JAN		2007.FEB		
				L_C2110	L_C2210	L_C2110	L_C2210	
				C2220 - PC4You France Company	26001002 - B/S Other Comprehensive Income	200.0000000		500.0000000
	25750000 - B/S Non-Controlling Interest							
	12350000 - B/S Investment Asset	200.0000000		500.0000000				

## Force Closing

In some business's modeling, the member for the closing flow is defined as a base member instead of as a parent node including other flow members. In this case, equity pick up supports automatically copying the equity pick up result to this dedicated closing flow member.

To do so, select the checkbox for *Force Closing* in the rule definition, as shown below:

Equity Pick Up Rule: CONSOLIDATION\_YTD

Validate

General Controlling Non-Controlling

	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	25740000	F_120	POWN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750001	F_120		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350001	F_120	PCON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	38000000	F_120	PCON	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NCI (Minority)	39101000	F_120		<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income		F_900	POWN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equity (Minority/NCI)	25750000	F_900		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Investment Asset	12350000	F_900	PCON	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The destination closing flow member is the flow member whose property FLOW\_TYPE is set to CLOSING, which is F\_999 in this case.

Members of Dimension: FLOW

Delete Revert | Recently Deleted Members | Apply Hierarchy Order | Display | Export to CSV

ID	Description	DIMLIST	FLOW_TYPE	IsIn
40	F_930	For EPU testing		
41	F_940	For EPU testing		
42	F_999		CLOSING	
43	F_ERR	Closing balance		

Using the same ownership data and transaction data, the equity pick up result is as follows:

EPU_report								
C_100	2007.JAN	A1000:PC4You Deutschland AG	1:Balance Sheet	F_900	EUR	NON_GROUP	All_InterCo	AJ_EPU
Refresh   Suppress   Comments(0)   Drill Through(0)   Work Status   Edit   More								
Entity	Account	IntCo		Flow				
		I_C2110		I_C2220				
		F_900	F_999	F_900	F_999			
C2210 - PC4You British Company	26001002 - B/S Other Comprehensive Income	800.0000000	800.0000000					
	25750000 - B/S Non-Controlling Interest			200.0000000	200.0000000			
	12350000 - B/S Investment Asset	1,000.0000000	1,000.0000000					

## Force Intco Member

As in forced closing, equity pick up supports copying the calculation result to a dedicated intco member that may represent all intco members, such as I\_NONE.

In this case, the amount for intco member I\_NONE is not only for the external party, but for all possible intco members. The destination intco member is defined on the Administration page in the *General Settings* section of the ownership model.

### General Settings

---

Description:

Type: Ownership

Non-interco Member in

Ownership:

Maintain the business rule by select the *Force Intco Member* checkbox.

Administration of DEMO\_EPU Manage All Environments | Change En

Equity Pick Up Rule: CONSOLIDATION

Validate

**General** | Controlling | Non-Controlling

	Destination Account	Destination Flow	Ownership Account	Force Closing	Force Intco Member
<b>Net Income:</b>					
<b>Balance Sheet:</b>					
Equity (Group Share)	<input type="text" value="25740000"/>	<input type="text" value="F_900"/>	<input type="text" value="POWN"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Equity (Minority/NCI)	<input type="text" value="25750001"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Investment Asset	<input type="text" value="12350001"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Profit and Loss:</b>					
Investment Income	<input type="text" value="38000000"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NCI (Minority)	<input type="text" value="39101000"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Other Comprehensive Income:</b>					
<b>Balance Sheet:</b>					
Other Comprehensive Income	<input type="text" value=""/>	<input type="text" value="F_900"/>	<input type="text" value="POWN"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Equity (Minority/NCI)	<input type="text" value="25750000"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Investment Asset	<input type="text" value="12350000"/>	<input type="text" value="F_900"/>	<input type="text" value="PCON"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Note that the equity pick up result is used for the upper level calculation, so if the force intco member is activated, only the calculation result for this destination intco member is needed. Otherwise, the calculation result will be incorrect.

In the *General* tab of the business rule, you should also select the *Read Non-Intco Member Only* checkbox.

General Controlling Non-Controlling

Status: ● Valid

Source Audit:

Destination Audit:

Ownership Account:

Controlling Parent ID:

Non-Controlling Parent ID:

Periodic Calc:

Read Non-Intco Member Only:  ⓘ

Other Dimensions Filter:

Force Destination Members:

Using the same ownership data and transaction data, the equity pick up result for France is as follows:

EPU\_report 2

C\_100 2009.JAN A1000:PC4You Deutschland AG 1:Balance Sheet F\_900 EUR NON\_GROUP

Refresh Suppress Drill Through(0) Work Status Edit More

Entity	Account	IntCo	
		I_C2110	I_NONE
C2220 - PC4You France Company	25740000 - B/S Retained Earnings (Group)	900.0000000	900.0000000
	25750001 - B/S Non-Controlling Interest1		0.0000000
	12350001 - B/S Investment Asset1	900.0000000	900.0000000
	38000000 - P&L Investment Income	900.0000000	900.0000000
	39101000 - P&L NCI Expense		0.0000000

This is a non-controlling scenario, so there is no minority amount. The result is copied to the intco member I\_NONE.

The equity pick up result for Britain is as follows:

EPU_report 2							
C_100	2009.JAN	A1000:PC4You Deutschland AG	1:Balance Sheet	F_900	EUR	NON_GROUP	All_InterCo
Refresh   Suppress   Drill Through(0)   Work Status   Edit   More							
Entity	Account	IntCo					
		I_C2110	I_C2220	I_NONE			
C2210 - PC4You British Company	25740000 - B/S Retained Earnings (Group)	1,800.0000000		1,800.0000000			
	25750001 - B/S Non-Controlling Interest1		900.0000000	1,200.0000000			
	12350001 - B/S Investment Asset1	3,000.0000000		3,000.0000000			
	38000000 - P&L Investment Income	3,000.0000000		3,000.0000000			
	39101000 - P&L NCI Expense		900.0000000	1,200.0000000			

For the minority account 25750001, the amount for I\_NONE contains two parts: 900 EUR from I\_C2220 and 300 EUR from the external party.

The equity pick up result for Deutschland is as follows:

EPU_report 2							
C_100	2009.JAN	A1000:PC4You Deutschland AG	1:Balance Sheet	F_900	EUR	NON_GROUP	All_InterCo
Refresh   Suppress   Drill Through(0)   Work Status   Edit   More							
Entity	Account	IntCo					
		I_C2220	I_C2210	I_NONE			
C2010 - PCYou Deutschland AG	25740000 - B/S Retained Earnings (Group)	1,900.0000000	1,520.0000000	3,420.0000000			
	25750001 - B/S Non-Controlling Interest1	0.0000000		0.0000000			
	12350001 - B/S Investment Asset1	1,900.0000000	1,520.0000000	3,420.0000000			
	38000000 - P&L Investment Income	1,900.0000000	1,520.0000000	3,420.0000000			
	39101000 - P&L NCI Expense	0.0000000		0.0000000			

Compare the result with the one in earlier examples to see the difference for I\_NONE.

## Other Dimension Filters and Force Destination Member

In a consolidation model, you can add user-defined dimensions to meet your requirements, such as a dimension for a product. In some cases, only part of the members is needed in an equity pick up calculation. To achieve this, you must explicitly define the filter in the business rule.

In the following example, the consolidation model has two user-defined dimensions: P\_ACTIVITY and PRODUCT.

**Model: CONSOLIDATION**

Change Type

Dimensions in the model

Add / Remove

ID	Description	Type	Secured
C_ACCT	Account	Account - A	<input type="checkbox"/>
C_CATEGORY	Category	Category - C	<input type="checkbox"/>
C_DATASRC	DataSrc	Audit - D	<input type="checkbox"/>
ENTITY	Entity	Entity - E	<input type="checkbox"/>
FLOW	Flow	Subtables - S	<input type="checkbox"/>
GROUPS	Group	Group - G	<input type="checkbox"/>
INTCO	IntCo	Intercompany - I	<input type="checkbox"/>
PRODUCT	PRODUCT	User-defined - U3	<input type="checkbox"/>
P_ACTIVITY	Activity	User-defined - U2	<input type="checkbox"/>
RPTCURRENCY	Reporting Currency	Currency - R	<input type="checkbox"/>
TIME	Time	Time - T	<input type="checkbox"/>

These two dimensions have the following members:

**Members of Dimension: P\_ACTIVITY**

Delete Revert Recently Deleted Members Apply Hierarchy C

ID	Description
1 A001	Total Activities
2 A002	Total Manufacturing Activities
3 A003	Management Activities
4 A004	Other activities
5 A005	No activity
6 Consult	Consulting
7 Corp	Corporate management
8 Corp_Act	Corporate activities
9 Line	Running the manufacturing lines
10 Mfg_Act	Manufacturing activities
11 Plant	Plant management
12 Repair	Repairing/maintenance of manufacturi...

**Members of Dimension: PRODUCT**

Delete Revert Recently Deleted Members Apply Hierarchy C

ID	Description
1 ALL_PRODUCT	
2 PRODUCT1	
3 PRODUCT2	
4 PRODUCT3	
5	
6	
7	
8	

Only the member for Activity A003 and A004 is needed for equity pick up. Likewise, only the member for Product PRODUCT2 is needed for equity pick up.

In the business rule on the General tab, the field *Other Dimension Filter* is populated with the following entry:  
 PRODUCT=PRODUCT2,P\_ACTIVITY=A003,P\_ACTIVITY=A004

Currently, the system does NOT support the differentiation of equity pick up results on user-defined dimensions, which means for these user-defined dimensions, the equity pick up result is aggregated. You should assign an explicit destination member for all user-defined dimensions, such as the following:

PRODUCT=PRODUCT3,P\_ACTIVITY=A005

Otherwise, you will receive an error message of *Destination member of dimension [dimension\_name] must not be empty* when running equity pick up.

The business rule should be the following:

General Controlling Non-Controlling

Status: ● Valid

Source Audit:

Destination Audit:

Ownership Account:

Controlling Parent ID:

Non-Controlling Parent ID:

Periodic Calc:

Read Non-Intco Member Only:  ⓘ

Other Dimensions Filter:

Force Destination Members:

The ownership percentage is maintained as follows:

POWN\_input\_2

C\_100 2009.MAR PC4You Deutschland AG POWN NON\_GROUP

Save Data Refresh Suppress Drill Through(0) Work Status Edit Mo

Entity	Account	IntCo	
		PC4You British Company	
PCYou Deutschland AG	POWN	0.8000000	

The input data is the following:

III_input_2						
C_100		2009.MAR		A1000:PC4You Deutschland AG		11111000:Cash Equivalents
				F_810		EUR
Save Data Refresh Suppress Drill Through(0) Work Status Edit More						
Entity	Account	Activity	PRODUCT	Time		
				2009.MAR		
C2210 - PC4You British Company	35300000 - P&L Net Income	A002	PRODUCT1	1,000.0000000		
			PRODUCT2	2,000.0000000		
			PRODUCT3			
		A003	PRODUCT1	2,000.0000000		
			PRODUCT2	3,000.0000000		
			PRODUCT3			
		A004	PRODUCT1	3,000.0000000		
			PRODUCT2	4,000.0000000		
			PRODUCT3			
		A005	PRODUCT1			
			PRODUCT2			
			PRODUCT3			

Check the result through the audit report.

Equity Pick Up Audit Report											Refresh
C_100		2009.MAR		C2010.C2010		EUR					
Report generated on 2012-08-06 16:09:59.											Connected to Environment: DEMO_EPU Model: CONSOLIDATION
	Ownership				Source Data			Destination Data			
	Parent	Minority Entity	Trading Partner	Ownership	Is Controlling	Source Account	Data Source Type	Amount	Destination Account	Amount	
1	[C2010] PCYou Deuts		[C2210] PC4You British	80%	✔	Net Income	INPUT	7000	[25740000] B/S Retained Earnings (Group)	5600	
							AJ_EPU	0	[12350001] B/S Investment Asset1	7000	
									[38000000] P&L Investment Income	7000	
2		Third Party	[C2210] PC4You British	20%		Net Income	INPUT	7000	[25750001] B/S Non-Controlling Interest1	1400	
							AJ_EPU	0	[39101000] P&L NCI Expense	1400	

The total INPUT amount is 7000 EUR because only PRODUCT2 with A003/A004 is needed.

Check the result from a report.

EPU_report 2									
C_100		2009.MAR		A1000:PC4You Deutschland AG		1:Balance Sheet		F_900	
				EUR		NON_GROUP		All_InterCo	
				AJ_EPU					
Refresh Suppress Drill Through(0) Work Status Edit More									
Entity	Account	Activity	PRODUCT	IntCo					
				I_C2210	I_NONE				
C2010 - PCYou Deutschland AG	25740000 - B/S Retained Earnings (G	A005	PRODUCT3	5,600.0000000					
	25750001 - B/S Non-Controlling Inter	A005	PRODUCT3		1,400.0000000				
	12350001 - B/S Investment Asset1	A005	PRODUCT3	7,000.0000000					
	38000000 - P&L Investment Income	A005	PRODUCT3	7,000.0000000					
	39101000 - P&L NCI Expense	A005	PRODUCT3		1,400.0000000				

The equity pick up result is posted to A005 and PRODUCT3 as defined in the business rule.

# Running Equity Pick Up Using a Data Manager Package

## Pre-implementation Steps

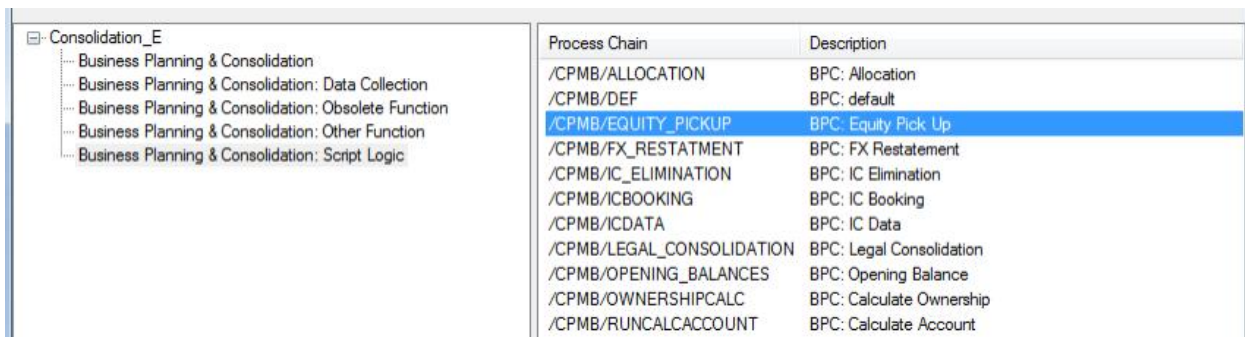
To execute equity pick up using a Data Manager package, perform the following pre-implementation steps. See SAP note 1729419 for more information.

1. Go to transaction SE38.
2. Enter UJS\_ACTIVATING\_CONTENT, then press F8.
3. Enter ENVIRONMENT\_SHELL in *Environment ID* and 1 in *Content Version*.
4. Check only *Activate BI Business Content* and *Update Default DM Instructions*; uncheck all other options.
5. Press F8.

## Create a New Package for Equity Pick Up

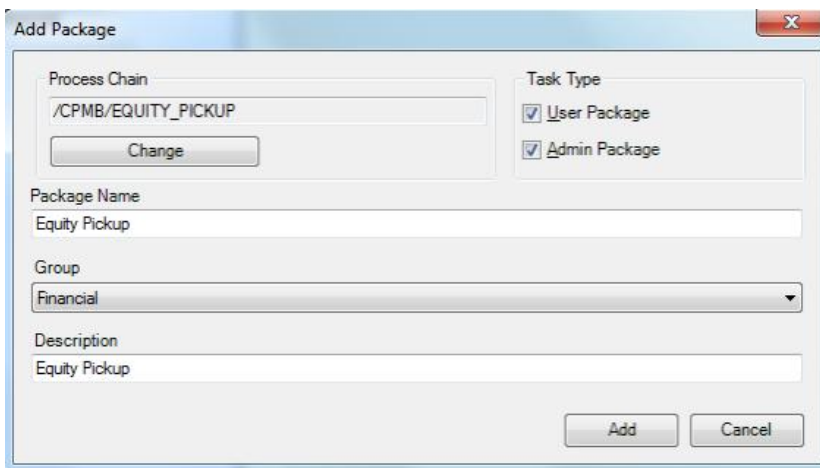
Log onto EPM Add-in and connect to your environment and model. Navigate to Data Manager > Organize > Organize Package List.

Add a new package, then select process chain /CPMB/EQUITY\_PICKUP.



Name your package and assign it to a package group.

Click *Add* to finish the package creation.



## Maintain Logic Script in the Web Client

In the web client, navigate to Administrator > Rules > Logic Scripts, then select your model. Choose *New* to add a new logic script file; the file name should be EQUITY\_PICKUP.LGF. Then, maintain the scripts as shown below:

```
*RUN_PROGRAM EQUITY_PICKUP  
CATEGORY = %C_CATEGORY_SET%
```

```
TID_RA = %TIME_SET%
ENTITY = %ENTITY_SET%
CURRENCY = %RPTCURRENCY_SET%
INCREMENTAL_MODE=
*ENDRUN_PROGRAM
```

Notes:

Only the parameters shown above are currently supported.

INCREMENTAL\_MODE indicates whether you want to run equity pick up in incremental mode. A value of X means to run in incremental mode; an empty value means to run in full mode.

## Run the Equity Pick Up Package

Navigate to the Data Manager tab, then choose *Run Package*. Select the equity pick up package from the list, then choose *Run*.

Next, specify the desired data range similar as in the Equity Pick Up Monitor, then choose *Next*.

Run Package

Equity Pickup

Select the desired data range

C\_CATEGORY: C\_100 Add

ENTITY: C9000 Add

RPTCURRENCY: EUR Add

TIME: 2007.JAN Add

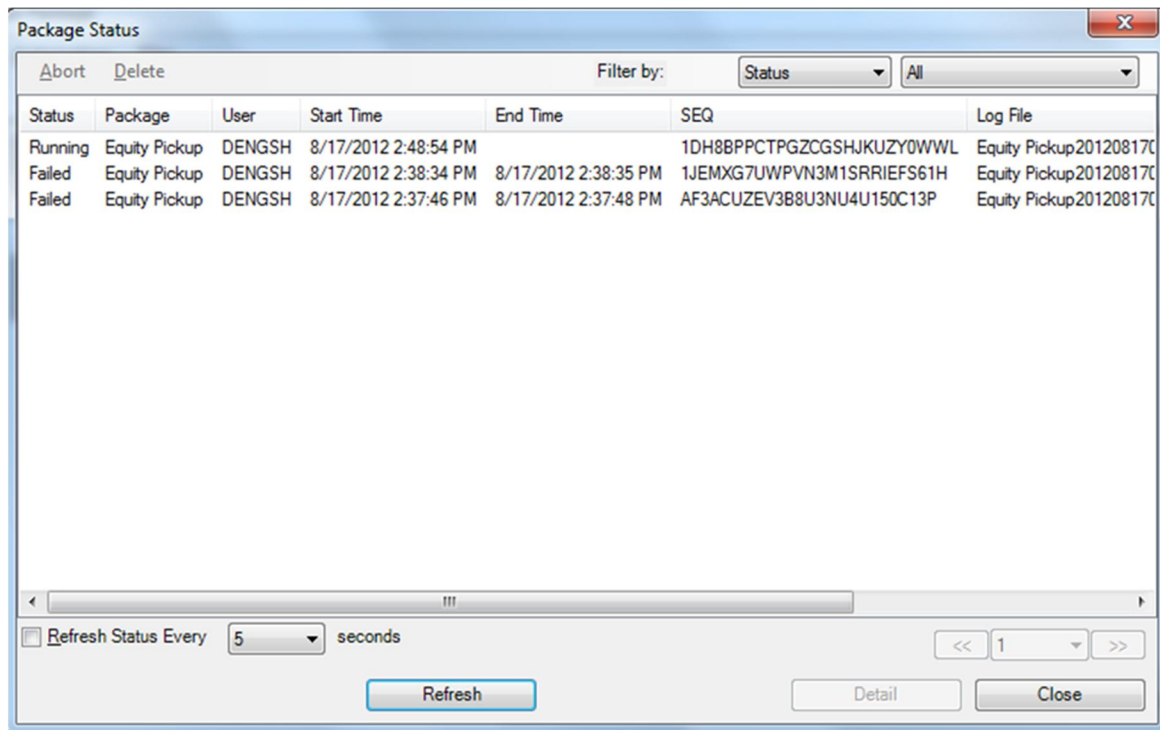
Save Load

Previous Next Finish Cancel

Indicate whether you want to run the package immediately or schedule it for another time, then choose *Finish*.

## View Package Status

You can view the status of a package by navigating to the Data Manager tab and choosing *View Status*. To see detailed information about a package, select a line and choose *Detail*.



The screenshot shows a window titled "Package Status" with a table of package execution details. The table has columns for Status, Package, User, Start Time, End Time, SEQ, and Log File. There are three rows of data, one of which is running and two are failed. Below the table, there are controls for refreshing the status every 5 seconds and buttons for "Refresh", "Detail", and "Close".

Status	Package	User	Start Time	End Time	SEQ	Log File
Running	Equity Pickup	DENGSH	8/17/2012 2:48:54 PM		1DH8BPPCTPGZCGSHJKUZY0WWL	Equity Pickup201208170
Failed	Equity Pickup	DENGSH	8/17/2012 2:38:34 PM	8/17/2012 2:38:35 PM	1JEMXG7UWPVN3M1SRRIEFS61H	Equity Pickup201208170
Failed	Equity Pickup	DENGSH	8/17/2012 2:37:46 PM	8/17/2012 2:37:48 PM	AF3ACUZEV3B8U3NU4U150C13P	Equity Pickup201208170

Refresh Status Every  5 seconds

Refresh Detail Close