

I update R&D WBS

Process: [Costing Model Architecture](#)

Responsibility area: [Master data management](#)



This document describes the transactions related to the process of R&D project modification.

The R&D projects aims to track costs of R&D projects. In order to facilitate the capitalization of qualifying R&D projects, a time and cost-tracking system has been created using WBS (Work Breakdown Structure) in the accounting ERP system (SAP).

Scope



WW

PF2

Frequency



References

Attachments

[SBS-FRM-DRTR-02-019 - R&D Project Creation Template.xlsx](#)

I update R&D WBS

Guideline

I receive the request to update a R&D WBS

STEP 1

If a request is received to change project to Asset Under Construction (AUC) you should go to **CJ02**, insert the project code or WBS element

code and

You will see all the WBS structure of the project.

Change Project: Initial Screen

Project Def.

WBS Element

Change Project: Initial Screen

Project Def.

WBS Element

Change Project: WBS Element Overview

Summarization

Proj. def. X085 Product development for D540/640

Basic Data Dates Assignments Responsibilities Control Total

S...	L...	WBS element	Description	Short ID	Typ	Pri	Su	PE	Aut
1		R-105AIX085	X085 Product development for D540/640	ME-2015-03	R1			☒	
1					R1			☐	

Maintain Settlement Rule: Overview

Plan settlement

WBS element X085 Product development for D540/640

Actual settlement

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Amount	A. Se...	No. S...	From Per...	From...	To ...	To Fl...	Post
CTR	0421000001	2193E	100,00 0	0,00		PTL	1	10	2015	12	9999	011

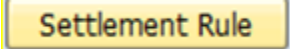
STEP 2

Considering that is not possible to change the WBS codification, and also not possible to change existing settlement, as you can see by the color (is not white) of fields of first line, you should create a new WBS, filling the second line of screen above, with the same codification, but ending with letter C (as for capitalization).

This new WBS will be set up for capitalization using type R2 and settlement to AUC as described in the current procedure. Keep the same WBS element codification (with C at the end), the same Description and the same Short ID; insert "2" in column "Level" and "R2" in column "Typ"; and select the same options of the first line in the columns "Su", "PE", "Acct" and "Bill"

STEP 3

Then you should select the first line and go to "Settlement Rule"



On the *Maintain Settlement Rule: Overview* screen, you should change the settlement parameters to WBS, tracking the menu "Goto" and the option "Settlement parameters", inserting the code "ZPS12" in the field of the Settlement profile and the code "BG" in the field of the Allocation structure.

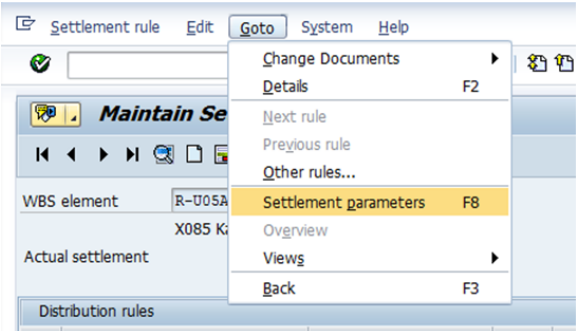
Change Project: WBS Element Overview

Summary

Proj. def. R-005AUX085 X085 Product development for D540/640

Basic Data Dates Assignments Responsibilities Control Total

S...Level	WBS element	Description	Short ID	Typ	Pri	Su	PE	Acct	Bill
1	R-U05AUX085	X085 Kalx D540/640 - Next gen 2955	ME-2015-03	R1			☒	☒	
2	R-U05AUX085C	X085 Kalx D540/640 - Next gen 2955	ME-2015-03	R2			☒	☒	
1				R1			☐	☐	



Maintain Settlement Rule: Parameters

WBS element R-005AUX085
X085 Kalx D540/640 - Next gen 2955

Parameters

Description

Settlement profile ZPS12 R&D - WBS->WBS (CE original)

Allocation structure BG R&D - WBS->WBS (CE 9370000000)

PA transfer str.

Source structure

Asset Value Date

Hierarchy number

Strategy Sequence

Entered by PT63016524 on 22.10.2015

Last changed by PT63022051 on 08.03.2016

STEP 4

Maintain Settlement Rule: Overview

WBS element R-005AUX085
X085 Kalx D540/640 - Next gen 2955

Actual settlement

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Amount	A...Se...	No...	S...	From Per...	From...	To...	To Pl...	Post
CTR	001000001	RBB 2193E	100,00	0	0,00	FTL	1	10	2015	2	2016	011.	
WBS	R-005AUX085C							3	2016				

Then you should click on “Back (F3)”



; insert the last period and the current year in the columns “To Period” and “To Fiscal Year” of first line, relative to old settlement receiver; insert “WBS” in the column “Cat”, the code of changed project ending with letter C in the column “Settlement Receiver”, and the current period and the current year in the columns “To Period” and “To Fiscal Year” of second line, as shown by the screen

Enter ↵

bellow; and press two times.

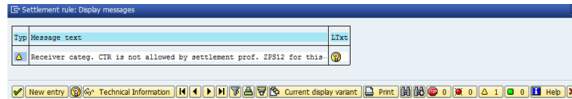
You will see in your screen the following message



And you should click on to continue.

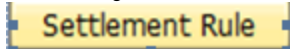
STEP 5

Then you should deselect the first line and select the second line



STEP 6

You should go to settlement rule



and change the settlement parameters to AUC, on the menu “Goto”, “Settlement parameters”, and insert the code “ZPS11” in the field of Settlement profile and the code “BF” in the field of Allocation structure

Finally, you should click on twice and save by clicking on



Change Project: WBS Element Overview

Proj. def. R-005AUX085 X085 Product development for D540/640

S. Level	WBS element	Description	Short ID	Typ	Pri	Su	PE	Acct	Bill
1	Subdivided 05AUX085	X085 Kalx D540/640 - Next gen 2955	ME-2015-03	R1					
2	R-U05AUX085C	X085 Kalx D540/640 - Next gen 2955	ME-2015-03	R2					

Maintain Settlement Rule: Parameters

WBS element R-005AUX085C
X085 Kalx D540/640 - Next gen 2955

Parameters

Description	R&D - WBS->AUC (CE 7211000000)	
Settlement profile	ZPS11	R&D - WBS->AUC (CE 7211000000)
Allocation structure	BF	R&D - WBS->AUC (CE 7211000000)
PA transfer str.		
Source structure		
Asset Value Date		
Hierarchy number		
Strategy Sequence		

Entered by PT63022051 on 08.03.2016
Last changed by PT63022051 on 08.03.2016

STEP 7

If you go to CJ03 (display mode), and insert the code of changed project you can verify the new System status in the column with same name as “REL AUC”.

Display Project: WBS Element Overview

Proj. def. R-005AUX085 X085 Product development for D540/640

S. Level	WBS element	Short ID	Typ	Pri	Su	PE	Acct	Bill	System status
1	R-U05AUX085	ME-2015-03	R1						REL SETC
2	R-U05AUX085C	ME-2015-03	R2						REL AUC

STEP 1

If a request is received to change a project to Fixed Asset

Go to **CJ02** and select the project

Change Project: Initial Screen

Project Def. R-U05ALX026

WBS Element

STEP 2

Select the WBS/Line where you want to create as final assets: **Extras -> Create completed Asset**

Change Project: WBS Element

Project Def. R-U05ALX026 X026 P

Summary

Basic Data Dates Assignments Responsibilities Control Total

S...	WBS element	Description	Short ID	Typ
1	R-U05ALX026	X026 PPA for Auto/EE (AE-4133)	AM-648	B2

STEP 3

Go to the next screen and complete the missing information provided in the request: **Asset Class** and **Cost center**.

Create Asset:

Asset(s) to be created

Asset Class ZUSE4000

Company code / asset 5782

Number of similar assets 1

☐ Subnumber

Reference

Company code / asset

Master data

Description X026 PPA for Auto/EE (AE-4133)

Inventory number

Business Area 3100

Cost Center ND37000010

Plant A1S

Location

Additional data

In the bottom of the SAP screen the following message will appear:

✔ 1 assets created internally, and distribution rules created

STEP 4

Go the settlement rule of the WBS to confirm you have a new line for the final asset.

WBS element R-U05ALX026

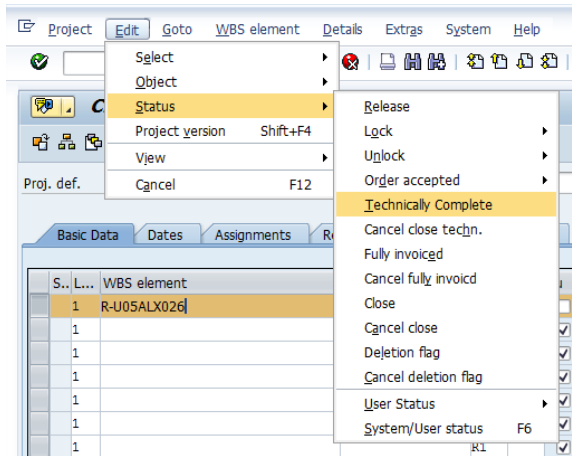
Actual settlement X026 PPA for Auto/EE (AE-4133)

Default distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Se...	No. S...	Pro...	From...	To ...	To FL...	First Used	Last Used
FXA	150000003370-0	X026 PPA for Auto/EE (...)	100,00	0	ADC	1	0	0			003.2013	005.2013
FXA	INTER000001-0	X026 PPA for Auto/EE (...)	1		FOL	2						

STEP 5

Then go back to the previous screen, in order to set up the project as Technically completed: **Edit -> Stat us -> Technically complete**.



STEP 6

Check if the status in WBS is **"TECO"**.

Proj. def.	R-U05ALX026	X026 PPA for Auto/EE (AE-4133)								
Basic Data Dates Assignments Responsibilities Control Total										
S...	L...	WBS element	Short ID	Typ	Pri	Su	PE	Acct	Bill	System status
1		R-U05ALX026	AM-648	R2		☐	☒	☒		TECO AUC SETC

STEP 7

The project can now be **saved** .

Then, display again the project and settlement rule, in order to find the final asset number as below (eg: 250000024135-0).

WBS element	R-U05ALX026						
	X026 PPA for Auto/EE (AE-4133)						
Actual settlement							
Default distribution rules							
Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Se...	No.	S...
FXA	150000003370-0	X026 PPA for Auto/EE (...)	100,00	0	AUC	1	
FXA	250000024135-0	X026 PPA for Auto/EE (...)		1	FUL	2	

Then, you must go to the transaction **AS02**, to change the Master Data of the Asset created.

STEP 8

Insert the Asset code and press Enter

Change Asset: Initial screen

Master data Depreciation areas Asset values

Asset 250000020490 

Subnumber 0

Company Code 5835

STEP 9

In the tab "Allocations", you must insert the code "E1" on the field "Evaluation group 4"

Change Asset: Master data

Asset values

Asset: 250000020490 0 A670 Surfactants consumption reduction
 Class: ZITE1S10 COSTI DI RICERCA Company Code: 5835

General Time-dependent Allocations Origin Net worth tax Insurance Deprec. areas

Allocations

Evaluation group 1 ☐ ☐
 Evaluation group 2 ☐
 Evaluation group 3 ☐
 Evaluation group 4 ☒ E1 IDENTIFIABLE INTANGIBLE ASSETS
 Evaluation group 5 ☐

STEP 10

In the tab "Deprec. areas", just verify if the uselife of the asset is according to the details of the request.

Change Asset: Master data

Asset values

Asset: 250000020490 0 A670 Surfactants consumption reduction
 Class: ZITE1S10 COSTI DI RICERCA Company Code: 5835

General Time-dependent Allocations Origin Net worth tax Insurance Deprec. areas

Valuation

A.	Depreciation area	DKey	UseLife	Prd	ODep Start	Index
01	fiscale	2201	☒	5	01.04.2016	
02	civiltica	0000			01.04.2016	
16	CAP+123456R.	0000		5	01.04.2016	
20	rival.1983	0000			01.04.2016	
21	rival.1991	0000			01.04.2016	
22	rival.2003	0000			01.04.2016	
25	Affrancament	0000			01.04.2016	
28	finanziament	0000			01.04.2016	
30	finanziament	0000			01.04.2016	
35	ex01-fiscale	IT91		5	01.01.2016	
38	IRAP tax	2201		5	01.04.2016	
39	Fiscal IRAP	2201		5	01.04.2016	
50	gestionale	2201		5	01.04.2016	
70	assicurazion	0000			01.04.2016	
80	copia 01 civ	2201		5	01.04.2016	

STEP 11

Finally, you must run the settlement of the Project or the WBS element, in order to start the depreciation of the Asset created, by the transaction **CJ88**.

Insert the WBS element code on corresponding field, insert the period of the start of capitalization on Settlement period field, insert the current fiscal year, and select the Processing type "Full Settlement", as shown on screen below.

Press Execute 

Actual Settlement: Project/WBS Element/Network

Project

or

WBS Element

or

Network

☐ With hierarchy

☐ With orders

Parameters

Settlement period Posting period

Fiscal Year Asset Value Date

Processing type

Processing Options

☒ Test Run

☒ Detail List

☐ Check trans. data

STEP 12

The last stage, is verify if the settled amount corresponds to the total of R&D project expenditures, by clicking on the Detail lists



, and you will see one screen like the following one.

Actual Settlement: Project/WBS Element/Network Basic list

Selection

Selection Parameters	Value	Name
WBS Element	R-U05BL1328	A670 Surfactants consumption redu...
Period	003	
Posting period	003	
Fiscal Year	2016	
Processing type	8	Full Settlement
Posting Date	31.03.2016	
Controlling Area	CHIEF	ERP SOLVAY
Currency	EUR	Euro
Value date	31.03.2016	

Processing Options

Selection Parameters	Value
Execution type	Settlement executed
Processing mode	Test run

Processing completed with no errors

Statistics

Processing category	Number
Settlement executed	1
No change	
Not relevant	
Inappropriate status	
Error	

Actual Settlement: Project/WBS Element/Network Detail list

Basic list Sender Receiver Settlement rule Save Select

Detail list - Settled values

Senders	Receivers	Short text: Sender	Σ Val/COArea CrCy	COAr Cur	Σ Value in Obj. CrCy	Ob.Cr/Send
WBS R-U05BL1328	FXA 5835/250000020443/0	A670 Surfactants consumption reduction	158.012,92	EUR	158.012,92	EUR
			158.012,92	EUR	158.012,92	EUR

STEP 1

Go to CJ02.

Enter the project.

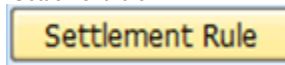
Change Project: Initial Screen

Project Def.

WBS Element

STEP 2

Select the project and click on "Settlement rule"



Click twice on the line of the Settlement rule or click on "Details".

Maintain Settlement Rule: Overview

WBS element: Details (F2)

Actual settlement: X024 High Heat PPA

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Amount	A. Se...	No.	S...
CTR	NDF1ORD00A	JAL-AMODEL - AIS	100,00			PER	1	

STEP 3

Change the "Valid to" period.

Maintain Settlement Rule: Distribution Rules

Settlement Sender

WBS element:

Company Code:

Actual settlement: X024 High Heat PPA

Settlement Receiver

Cost Center: FINAL-AMODEL - A...

Order:

Distribution Rule

Number: Valid from: to: 2014

Settlement type:

Percent: %

Equivalence no.:

Amount in EUR:

Amt rule type: ☐ Settle Each Period

Strategy: ☐

STEP 4

Go back to the previous screen and click on "Go to" and "Settlement parameters".

Maintain Settlement Rule: Distribution Rules

WBS element:

Actual settlement: X024 High Heat PPA

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.	Amount	A. Se...
CTR	NDF1ORD00A	FINAL-AMODEL - AIS	100,00			PER

STEP 5

Change the "Settlement profile" to **ZPS 12** and "Allocation structure" to **BG**.

Maintain Settlement Rule: Parameters

WBS element: R-U05AUX024
X024 High Heat PPA

Parameters

Description: [Empty field]

Settlement profile: ZPS12 R&D - WBS->WBS (CE original)

Allocation structure: BG R&D - WBS->WBS (CE 9370000000)

PA transfer str.: [Empty field]

Source structure: [Empty field]

Asset Value Date: [Empty field]

Hierarchy number: [Empty field]

Strategy Sequence: [Empty field]

Entered by: PT400066 on 24.09.2013

Last changed by: BRS0069 on 21.03.2014

STEP 6

Go back to the previous screen and click on "New rule".

Maintain Settlement Rule: Overview

Plan settlement

WBS element: R-U New rule (F9)
X024 High Heat PPA

Actual settlement

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Equiva
CTR	NDF10RD00A	FINAL-AMODEL - AIS	100,00	
	[Empty field]			

STEP 7

Inform the new WBS element and the "Valid from" as below.

Go back to the previous screen and save it .

Maintain Settlement Rule: Distribution Rules

Settlement Sender

WBS element: R-U05AUX024
X024 High Heat PPA

Company Code: 5978

Actual settlement

Settlement Receiver

WBS Element: R-U05AUX024

Distribution Rule

Number: 2 Valid from: 3 2014 to: [Empty field]

Settlement type: PER

Percent: 100,00 %

Equivalence no.: [Empty field]

Amount in EUR: [Empty field] Amt rule type: [Empty field] Settle Each Period: [Empty field]

Strategy: [Empty field]

STEP 1

To update the settlement rule of project to cost center, go to **CJ02** and insert the code of project.

Change Project: Initial Screen

Project Def.: R-U05AUX024

WBS Element: [Empty field]

STEP 2

Select the line related to project and click on **Settlement Rule**.

Change Project: WBS Element Overview

Summary

Proj. def. R-U05AUX024 X024 High Heat PPA

Basic Data Dates Assignments Responsibilities Control Total

S. L...	WBS element	Description	Short ID	Typ	Pri	Su	PE
1	R-U05AUX024	X024 High Heat PPA	AN-138	R1			☒
1				R1			☐

Maintain Settlement Rule: Overview

Plan settlement

WBS element R-U05AUX024
X024 High Heat PPA

Actual settlement

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Amount	Equivalence no.	A. Se...	No.
WBS	R-U05ALX024	X024 High Heat PPA	100,00			PER	1

STEP 3

Click on "New rule (F9)"  and change the field "Valid to" to previous period.

Maintain Settlement Rule: Distribution Rules

Settlement Sender

WBS element R-U05AUX024
X024 High Heat PPA

Company Code 5978

Actual settlement

Settlement Receiver

WBS Element R-U05ALX024

Distribution Rule

Number 1 Valid from 3 2014 to 5 2014

Settlement type PER

Percent 100,00 %

Equivalence no.

Amount in EUR Amt rule type Settle Each Period

Strategy

STEP 4

Go back to the previous screen and click on the menu "Goto", "Settlement parameters", and insert the code "ZPS10" in the field of Settlement profile and the code "BE" in the field of Allocation structure

Settlement rule Edit Goto System Help

Change Documents
Details F2
Next rule
Previous rule
Other rules...
Settlement parameters F8
Overview
Views
Back F3

Maintain Settlement Rule: Overview

WBS element R-U05AUX024
X024 High Heat PPA

Actual settlement

Distribution rules

Cat	Settlement Receiver	Receiver Short Text	%	Amount
WBS	R-U05ALX024	X024 High Heat PPA	100,00	

STEP 5

Change the "Settlement profile" to **ZPS10** and "Allocation structure" to **BE**.

A313 H2TRUST-FP7 N.325357

Parameters

Description

Settlement profile ZPS10 R&D - WBS -> CHEOPS Cctr

Allocation structure BE R&D - WBS->CHEOPS Cctr

PA transfer str.

Source structure

Asset Value Date

Hierarchy number 0

Strategy Sequence

STEP 6

Go back to the previous screen and click on “New rule (F9)” or go to the menu Edit, New rule.

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.
WBS	R-U05AUX024	X024 High Heat PPA	100,00	

STEP 7

Inform the new Cost center and the “Valid from” to the period the project should start being settled using the new settlement rule.

Number: New settlement rule number (sequential).

Settlement type: PER

Percent: if 100% or less

Settlement Sender
WBS element: R-U05AUX024
Company Code: 5978

Settlement Receiver
Cost Center: NDF10RBBOA

Distribution Rule
Number: 2
Settlement type: per
Percent: 100
Valid from: 6 2014 to
Amount in EUR:
Amt rule type: Settle Each Period

STEP 8

Go back to the previous and now, you should find the two settlement rules

Go back to the previous screen and save it

Cat	Settlement Receiver	Receiver Short Text	%	Amount	Equivalence no.	A. Se...	No. S...	From Per...	From...	To ...	To R...
WBS	R-U05AUX024	X024 High Heat PPA	100,00			PER 1	3	2014	5	2014	
CTR	NDF10RBBOA	FINANCIAL DEF - AIS	100,00			PER 2	6	2014			

STEP 1

To update the settlement rule of project to order, go to CJ02 and insert the code of project.

Change Project: Initial Screen

Project Def.: R-U05AUX024

WBS Element:

STEP 2

Select the line related to project and click on Settlement Rule.

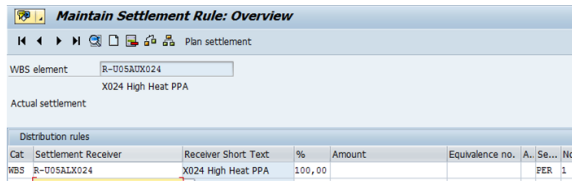
S.	L.	WBS element	Description	Short ID	Typ	Pri	Su	PE
1		R-U05AUX024	X024 High Heat PPA	AN-335	R1	1		

STEP 3

Then you should click on “New rule

(F9)” , or click twice on the line of the settlement rule

and change the field “Valid to” to previous period, as illustrated.



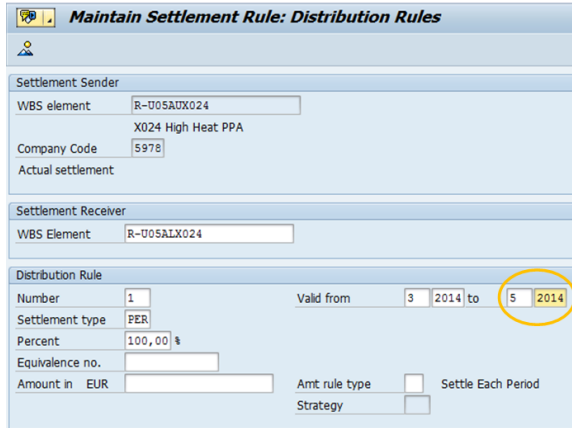
Maintain Settlement Rule: Overview

Plan settlement

WBS element: R-U05ALX024
X024 High Heat PPA

Actual settlement

Distribution rules						
Cat	Settlement Receiver	Receiver Short Text	%	Amount	Equivalence no.	A.. Se... No.
WBS	R-U05ALX024	X024 High Heat PPA	100,00			PER 1



Maintain Settlement Rule: Distribution Rules

Settlement Sender

WBS element: R-U05ALX024
X024 High Heat PPA

Company Code: 5978

Actual settlement

Settlement Receiver

WBS Element: R-U05ALX024

Distribution Rule

Number: 1 Valid from: 3 2014 to: 5 2014

Settlement type: PER

Percent: 100,00 %

Equivalence no.:

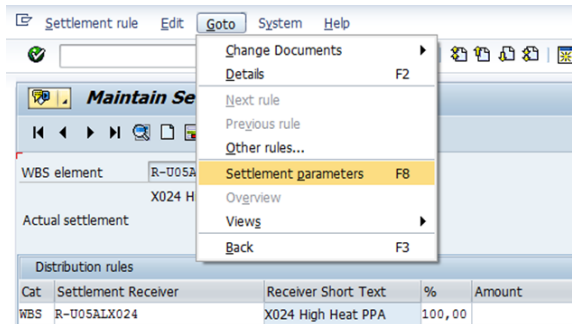
Amount in EUR:

Amt rule type: ☐ Settle Each Period

Strategy: ☐

STEP 4

Go back to the previous screen and click on “Go to” and “Settlement parameters”.



Settlement rule Edit Goto System Help

- Change Documents
- Details F2
- Next rule
- Previous rule
- Other rules...
- Settlement parameters F8**
- Overview
- Views
- Back F3

Maintain Settlement Rule: Overview

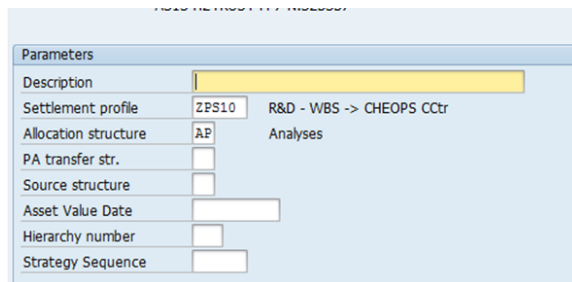
WBS element: R-U05ALX024
X024 High Heat PPA

Actual settlement

Distribution rules				
Cat	Settlement Receiver	Receiver Short Text	%	Amount
WBS	R-U05ALX024	X024 High Heat PPA	100,00	

STEP 5

Change the “Settlement profile” to **ZPS 10** and “Allocation structure” to **AP**.



Parameters

Description:

Settlement profile: ZPS10 R&D - WBS -> CHEOPS Cctr

Allocation structure: AP Analyses

PA transfer str.:

Source structure:

Asset Value Date:

Hierarchy number:

Strategy Sequence:

STEP 6

Go back to the previous screen and click on “New rule”.

Settlement rule Edit Goto System Help

New rule F9
Delete rule
Cancel F12

Maintain Settlement Rule: Overview

WBS element R-U05AUX024
X024 High Heat PPA

Actual settlement

Cat	Settlement Receiver	Receiver Short Text	%	Equivalence no.
WBS	U05AUX024	X024 High Heat PPA	100,00	

STEP 7

Inform the new Cost center and the **"Valid from"** to the period the project should start being settled using the new settlement rule.

Number: New settlement rule number (sequencial).

Settlement type: PER

Percent: if 100% or less

Maintain Settlement Rule: Distribution Rules

Settlement Sender
WBS element R-U05AUX024
X024 High Heat PPA
Company Code 5978
Actual settlement

Settlement Receiver
Cost Center
Order 07026PA05672

Distribution Rule
Number 2
Settlement type per
Percent 100
Equivalence no.
Amount in EUR
Valid from 6 2014 to
Amt rule type
Strategy

STEP 8

Go back to the previous and now, you should find the two settlement rules

Maintain Settlement Rule: Overview

WBS element R-U05AUX024
X024 High Heat PPA

Actual settlement

Cat	Settlement Receiver	Receiver Short Text	%	Amount	Equivalence no.	A. Seq. No.	S. Seq. No.	From Per...	From...	To...	To Rule
WBS	U05AUX024	X024 High Heat PPA	100,00			PER 1	3	2014	5	2014	
ORD	07026PA05672	PAE SOLVER 3672	100,00			PER 2	4	2014			

STEP 9

Go back to the previous screen and save it.

If the below message appears

Settlement rule: Display messages

Typ	Message text	Text
Receiver categ. WBS is not allowed by settlement prof. ZPS10 for this-		

Delete the old settlement rule, by clicking on "Delete rule"

Then go back to the previous screen and save it

Maintain Settlement Rule: Overview

WBS element R-U05AUX024
X024 High Heat PPA

Actual settlement

Send an e-mail to the Controller confirming that the R&D WBS was updated.