

I perform the FI/COPA reconciliation of net result

Domain: Costing

Responsibility area: Ensure Costing Allocations

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Scope



WW

ERP

PF2

WP2

Frequency



Month

References

- FS10N
- GR55
- KE30
- KE21N
- F.01

Forms

[FI COPA CONTROL.xlsm](#)

Attachments

*Previous OP << I perform the FI /COPA reconciliation of net result >>
Next OP*

1. Objective and Scope

1.1. Objective of this Operation

The goal of this operation is to guarantee that, at the end of each month, the results in FI match with the ones in COPA.

1.2. Scope

This procedure is applied to all companies WW.

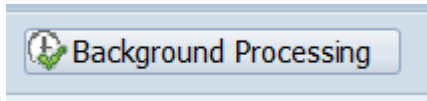
2. Definitions

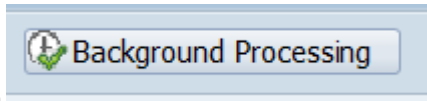
See [Finance - Glossary](#)

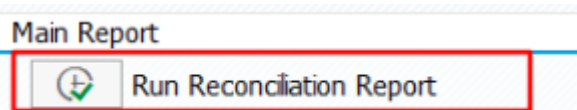
3. Tasks description

3.1. I run the FI CO reconciliation report:

Go to transaction ZCO_FICO_RCON. Update Company code, fiscal year and posting period:



Click on  and check its execution on transaction SM37.



Once it is done, click on

It will show FI and CO Net Results, their difference, and the possible sources:

A screenshot of the "Reconciliation Report" table. The table has multiple columns including CoCode, Period, FISC. Acc., CO/MA Net Difference, Cost of Sales, and various difference fields. A red box highlights the "CO/MA Net Difference" column for the first row.

CoCode	Period	FISC. Acc.	CO/MA Net Difference	Cost of Sales	WMS	Under	Rel.	COGS Diff	CO/MA Net Diff	Unexp. Diff	CO Sales	CO Sales Diff	CO Sales Diff	CO Sales Diff	CO Sales Diff	CO Sales Diff	CO Sales Diff	CO Sales Diff	CO Sales Diff
2001	004/2020	34,517,492.54	34,517,492.47	9.95	10,000.00	0.00	0.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

A detailed guide is in the link https://docs.google.com/presentation/d/1OxH84TKYZeXuh7KBikd_3XHkRDv-HtLL7ghPjShnJZU/edit#slide=id.p1.

How to eliminate the differences is indicated in 3.6 below.

If necessary, you may do the detailed analysis described in 3.2 to 3.5

3.2. I run the FI report "net result"

Go to transaction FS10N. Update the company code, the year, and check the result for all BS 98* accounts:

A screenshot of the "G/L Account Balance Display" form. It includes fields for G/L account, Company code (8485), Fiscal year (2019), and Business area. A "Multiple Selection for G/L account" dialog box is open, showing "Select Single Values", "Select Ranges (1)", and "Exclude" tabs. The "Select Ranges (1)" tab is active, showing a table with "Lower limit" and "Upper limit" columns. The first row has "98000000" and "98999999".

O..	Lower limit	Upper limit
	98000000	98999999

Account number	98000000			
To	98999999	Intra-company BAAN		
Company code	8485	SOLVAY SOLUTIONS ESPANA		
Business area				
Fiscal year	2019			
All documents in currency	*	Display currency	EUR	
				
Period	Debit	Credit	Balance	Cumulative balance
Balance Carryf...				
1	64.276.755,60	64.248.610,88	28.144,72	28.144,72
2	47.478.860,76	47.267.812,30	211.048,46	239.193,18
3	48.154.275,70	48.642.030,88	487.755,18-	248.562,00-
4	48.949.394,19	49.093.830,46	144.436,27-	392.998,27-

Go to transaction GR55, report Z4F1. Update the company code, the period, and check the result in heading L12000:

Lead column	Cumul 2
** ZFC-L12000 Profit/Loss for the period	-27.988.136,82

3.3. I run the CO-PA report "net result"

Go to transaction KE30, report ZZZ-SOLV00. Update the company code, the period, and check the result in the Net Result:

P&L Lines	Period	Year
VVM65 Def.withhold.tax R73210	0,00	0,00
VVDO1 Gains-losses DO R85100	0,00	0,00
VVN20 Minority Interes R76000	0,00	0,00
Net Result	27.986.693,69	27.986.693,69

Go to transaction KE30, report ZZZ-SOLV00. Update the company code, the period, and check the result in the Net Result:

ZZZ-SOLV00 Company 8485 SOLVAY SOLUTIONS ESP			
IFRS Periods/Year			
From period	1		
To period	4	Fiscal year	2019
*	Not assigned		
Company Code 8485 SOLVAY SOLUTIONS ESP			
Navigation			
Customer	▲		
Product	•		
Division	•		
Distr. Channel	▼		
P&L Lines	Period	Year	
Net Result	392.998,35	392.998,35	
EBITDA	1.031.593,81	1.031.593,81	
REBITDA	1.031.593,81	1.031.593,81	

3.4. I compare both results

Both amounts must match. If it is not year closing, and the total difference is below 3K local currency, nothing must be done during closing ((Implemented in July /2022 under controller validation reduction - Everyday Close Project)), but must be left to adjust during the rest of the month (before next closing). Else, the actions below must be done during closing.

3.5. I analyse the reason of the discrepancy and take the corresponding corrective action

STEP 1

Display cost centers

Execute report group: Initial Screen

To check if cost centers are balanced, use a cost centers report with transaction **GR55** :

Standard SAP reports that can be used in both systems:

- **1SHK** (= S_ALR_87013615)
- **1SIP** (= S_ALR_87013611)
- **S_ALR_87013635**

In PF1 you can use the following reports inside GR55:

- **ZFC2**
- **ZIAB**

Execute Report Group: Initial Screen

Data extracts Multiple selection

Report Group

STEP 2

Enter

1. Controlling area

Reports 1SHK, 1SIP and transaction S_ALR_87013635: Selection

2. Fiscal year
3. Period
4. Plan version (usually 0)
5. Cost center group or value (to check all the CCTs from a certain company in PF1 please choose "CC-xxxx" and in WP1 please choose "xxxx", being xxxx0company code)
6. Cost element group (the standard group is ZRCS-FC) or or value, or leave blank
7. Value type = 4 Actual



and Execute

Cost Centers: Breakdown by Partner: Selection

Data Source...

Selection values

Controlling Area	CHEF
Fiscal Year	2018
From Period	1
To Period	12
Plan Version	0

Select Groups/Values

Cost Center Group	CC-4056	to	
Or value(s)		to	
Cost Element Group		to	
Or value(s)		to	

Report ZFC2 and ZIAB: Selection

Chargt / déchargt CC: Selection

Data Source...

Selection values

Fiscal Year	2018
Value Type	4
From Period	1
To Period	12

Select groups

Cost Center Group	CC-4056	to	
Or value(s)		to	
Cost Element Group		to	
Or value(s)		to	

STEP 3

Check that Over/Under-absorption is equal to zero

1. Must be balanced after KSU5, KSV5 or KEU5
2. Must be balanced after KSUB (Budget Cycle)

Reports 1SHK and 1SIP

Breakdown by Partner Date: 15

Cost Center/Group	CC-4056	all cc's
Person responsible	*	
Reporting period	1 to 12 2018	
Cost Elements/Partner Object	Act. Costs	
* 9806029001 RECH - (Depreciation)	2.785,42-	
* 9806500001 DEMAR	289.348,43-	
* 9807500001 DEMOL	727.543,71-	
* 9808500001 OPDIV	211.622,52	
* 9810600001 PREDR Recovery plans	30.711,00-	
* 9811000001 CPFIN	380.857,95-	
* 9813300001 CAPR	3.461.673,30-	
* 9813302001 CAPR-HSE	225.214,58-	
* 9813600001 INTCF	601.332,42	
* 9813700001 FACR	23.945.731,34-	
* 9814100001 CCHA	95,45-	
* 9814400001 Borrowing charges	232.710,20-	
* 9815000001 AREX	5.708.974,67-	
* 9815300001 ITYXRA	1.615,50-	
* 9815500001 DEFTXA	2.699.502,34-	
* 9816100001 RVCF	3.000,00	
* 9816600001 R45100 Restruct exp	439.750,00-	
* 9819400001 RQCO	83.980.954,35-	
* 9820800001 RCONV	9.724,60-	
* 9880000011 Generic costs	79.320,00	
* 1805100001 FCOMT Depr-Local Adj		
** Credit	692.105.843,56-	1
*** Over/Underabsorption		

Report ZFC2 = ZIAB

From Period	CC-4056	12 2018	
1 To Period			
Groupe de	\$ZFC2##ZFC2DF	\$ZFC2##ZFC2DF	\$ZFC2##ZFC2DF
***** 4056_BB	232476002,59	232476002,59-	
***** 4056_BIA	7.193,66	7.193,66-	
***** 4056_BN	842.183,15	842.183,15-	
***** 4056_BO	22485.752,00	22485.752,00-	
***** 4056_RB	299303876,01	299303876,01-	
***** AUDIT FEE	65.439,03	65.439,03-	
***** GBU COSTS	12537.488,32	12537.488,32-	
***** GBU COSTS	2.399.864,00	2.399.864,00-	
***** GROUP SERVICES	24639.462,85	24639.462,85-	
***** TAB19 Accrual Engine	2.146.964,00	2.146.964,00-	
***** Insurance Procedure Accrual Engine	1.575.623,21	1.575.623,21-	
***** PIVOT CC	4.147.963,72	4.147.963,72-	
***** SOLVAY CHEM DE - Technical CC	174.765,36	174.765,36-	
***** E_4056	594509650,46	594509650,46-	
***** SOLVAY SODA DEUTSCHL	97596.193,10	97596.193,10-	
***** all cc's SOLVAY CHEM (DE)	692105843,56	692105843,56-	



Which cost centers must be balanced at the end of the month ?

- In PF1 :
 - All organizational cost centers = group of cost centers E_cccc
 - All reporting cost centers = group of cost centers cccc
 - All cost centers = group of cost centers CC-cccc
- In WP1 : All cost centers excluding technical cost centers (group CCCC-NA & CCCC-UNL)



Column Delta in Report ZIAB

All lines in Column Delta need to be equal to zero.

STEP 1

To check if internal orders or PM orders are settled, use the report **S_ALR_87013127**



Look for a variant with

Order Selection

Define Exception... Classification... Extracts...

Plant: Material Number: to Order Type:

Results Analysis Data for Determination of Key Figures

From Period: To Period:

Status Selection

Profile for Orders:

Settings for Results List

Layout: QUANTITY LIMIT CHECK

STEP 2

Double click on the variant you want

or select it and click on



CO WBS: check solde

ABAP: Variant Directory of Program Z1K_SOLDE_WBS

Variant Catalog for Program Z1K_SOLDE_WBS

Variant name	Short Description	Environment	Protected	Changed by	Last Changed on
0134 BR WBS	0134 BR WBS	A			
0143 WBS	0143 WBS	A			
0210 - WBS INV		A			
0210 - WBS SAL	0210 - WBS SAL - 2009	A		IT03615	04.03.2011
0210_WBS_WEEK	0210_WBS_WEEK	A			
0212_CO_PSP		A			
0270/1083/5916	0270/1083/5916	A		IT84421	04.08.2015
0279 WBS		A			
0279_WBS_M	0279_WBS_M	A		PT63000148	21.07.2009
0294	0294	A		PT300168	05.02.2009
0309 BR WBS	0309 BR WBS	A		BR006207	19.09.2013
0345_WBS_WEEK	0345_WBS_WEEK	A			
0360_WBS	0360_WBS CHECK	A			
0366_WBS CHECK	0366_WBS CHECK D+1	A		PT300057	30.11.2011
0366_WBS CHECK	0366_WBS CHECK D-1	A		PT300231	23.11.2011
0861-WBS DW	0861-WBS DW	A			
0974_WBS	0974_WBS	A		TH40036	04.03.2012
0974_WBS D+1	0974_WBS Check D+1	A		TH40087	14.07.2015

STEP 3

Enter the period

and execute



When the report doesn't display a value in the column 'solde' the WBS elements are completely settled in the selected period.

Example of a WBS element that is not balanced

CO WBS: check solde

WBS Element: to

Fiscal Year:

Period: to

CO WBS: check solde

CO WBS: check solde

year: 2015 period from 08 08

nro objet	code OTP	SOLDE	coût	répartition	Dev libelle	OTP
OTP Selection:						
I TKGI*	CF					

CO WBS: check solde

year: 2010 period from 10 10

nro objet	code OTP	SOLDE	coût	répartition	Dev libelle	OTP
PR00208331	MSB-M00002 AN 56-01	5.400,00	5.400,00	0,00	EUR ILLUMINAZIONE DI SICUREZZA	
PR00326510	MSB-M10007 AC 21-01	7.700,00	7.700,00	0,00	EUR POMPA POZZO 1	
PR00342352	MSB-M10004 AH 20-01	299,00	299,00	0,00	EUR TRANSPALLET MANUALE 2000 Kg	
Solde total en devise: EUR		13.407,00				

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STEP 1

Use transaction code:

Go to transaction **Z1K_RECONCILIATION**, and select the Default variant (it's important to use this variant and not create different ones, because IS is constantly updating it with more details that might be useful):

Variant name	Short Description
DEFAULT	Default Variant SPS COGS Check
DEF COGS BACKUP	Check and backup for...



Z1K_RECONCILIATION - Reconciliation of Cost of Goods Sold: Initial Screen

After choosing the variant and adding the company code, it's important to press "Enter" so that you have both periods with the same information:

Operating concern	FO01
Company Code	0270
Calendar year / month	02.2018
Posting Period	1 2018

STEP 2

After running the report you'll have 3 columns:

- Amount in FI
- Amount in COPA
- Tip: for bigger companies, it might be helpful to make a filter in column "difference" excluding the range -1 to 1:

Select:
Difference FI-PA 1,00 to 1,00

Materi	Plant	FI Amount in LC	Difference Kind	PA Amount D
15366		1.768,70	1.768,70	
16654		7.749,60	7.749,60	
19021		15.301,21	15.301,21	
20424		103.361,30	103.361,30	
20425		34.095,40	34.095,40	
23794		11.992,86	11.992,86	
23796		6.968,74	6.968,74	
25930		849,53	849,53	
30156		1.003.095,90	1.003.095,9	
31851		126.654,97	126.654,97	
31859		2.524,94	2.524,94	
31867		306.069,77	306.097,66	27,89
31874		31.630,44	31.630,44	
32490		2.110,08	2.110,08	
35028		70.908,03	70.908,03	
35029		81.575,27	81.675,96	100,69
35030		6.150,70	6.150,70	

How to analyze and correct COGS differences: [click here](#).

All postings done directly in COPA should be avoided. If possible, all necessary corrections must be done in the original CO object.

Anyway, several times it's necessary to make these postings, and therefore we need to guarantee that the total impact in PL of those postings is 0 (or that they were posted to correct already some discrepancy coming from FI - example: from Z1K_Reconciliation).

Go to KE24 and search for manual postings (record type = Z):

Selection Conditions				
Currency type	10	to		
Record type	Z	to		
Period/year	002.2018	to		
Document number		to		
Date created		to		
Reference document number		to		
Entered by		to		
Sender cost center		to		
Cost element		to		
CO order		to		
Sales order		to		
Company code	0270	to		
Customer		to		
Product		to		
Billing date		to		

All postings that we find should have a total amount 0:

- In the same value field - transfer of characteristic (profit center, product, customer, etc)

- In different value fields - transfer of value field (example below)

CoCd	R	Doc. no.	Plant	BusA	Profit Center	BU	Σ INT Internal Sales	Σ B10 Sales Correction	Σ I55 Others op G&L ex
0270	Z	28901299	BU26	7360	F3633XXXIA	PEROX	33.020,31	0,00	0,00
0270	Z	29008694	ROAV	7470	F475BHXXI2	SDERI	0,00	260.838,48-	260.838,48
0270	Z	29134581	BU26	7360	F3633XXXIA	PEROX	33.020,31-	0,00	0,00
							0,00	260.838,48-	260.838,48

Several times we are facing manual postings done without any CO Object. This generates differences FI/COPA, so we need to identify them and correct them.

In order to do it, go to transaction SQ00.

Select Environment- Query Areas, and then select the Standard Area.

Then select the User Group "FI_3S_CTB" and run Query "Z_FI_DOC", selecting the company and the period:

Check GL posting without A cost object

Company code to
Document Number to
Fiscal Year to

General selections
Posting date to

After executing you will have all items posted in the respective company without any CO Object (if any), and that most probably will be generating the FI/COPA differences.

CoCd	DocumentNo	G/L	Doc. Type	Year	Pstng Date	Document Header Text	Prof. Seg.	Cost Ctr	WBS Element	Trs	Order	ΣAmount in LC	Text
5835	5010100966	6098010100	S1	2019	01.11.2019		0000000000					104,99-	
5835	5010101120		S1	2019	30.11.2019		0000000000					104,99	
												0,00	
												0,00	

1) Check on CHEF_DUMMY

- How to check:
 - KE24 with variant SPS_001 -> just need to add the relevant company codes
 - KE30 ZZZ-SOLV00 report -> check P&L lines with CHEF_DUMMY PrCtr
- Goal:
 - CHEF_DUMMY PrCtr needs to have balance 0 in all value fields end of the month. Take into account that the original posting and corrections may be done with different posting dates.
- To reduce the number of future cases we should identify the reason for the CHEF_DUMMY PrCtr assignment. Most of the times it is due to missing PrCtr in the material master data (view General Plant Data / Storage 2 OR Costing1), so in this case it's necessary to address the topic to SU MAC (giving the material/plant/missing profit center) so that we can update the material master data.

2) Check on Activity1

- How to check:
 - KE24 with variant SPS_002 -> just need to add the relevant company codes
 - KE30 ZZZ-SOLV00 report -> check P&L lines with empty Activity1(mkt)
- Goal:
 - All headings requiring Activity1 detail must have balance 0 at the end of the month. Take into account that the original posting and corrections may be done with different posting dates. [These headings can be found here.](#)
- To reduce the number of future cases you should identify the reason for which Activity1 was not determined. Most of the times it is due to:

- Posting in COPA together with a common Cctr because the posting involves a G/L account defined in the FI PA transfer structure (cost element group XCS-FIPA)
 - You should decide either if you want to keep the Cctr or the COPA posting but not both and reclassify the posting.
 - If Cctr -> another G/L account should be used
 - If CO-PA -> remove the Cctr and include the basic CO-PA axes: material and plant -> PrCtr should be derived from the material
 - Soon we'll set a substitution in the system to eliminate these cases.
- Common PrCtr (Cxxx) assigned to the material. Actions:
 - Correct the material master data and PrCtr assignment (view General Plant Data / Storage 2 OR Costing1)
 - Reclassify the posting:
 - Manually KE21N (cancel original CO-PA doc + create manual document taking the original one as reference and update the PrCtr)

3) Check on D4X and E4X

- Goal of these Value Fields:
 - Used only in Purchases of Materials with Moving Average Price. If the material is managed at Standard Price, the price difference will be rolled-up with Material Ledger.
 - Whenever an operation affects the purchase price of the material subsequently to its consumption, the price variance will be allocated proportionally to the existing stock and P&L (using these Values Fields).

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STEP 1

Use transaction code:



S_ALR_87013635 - Check balance of Cost Centers in 2 currencies: Initial Screen

1. Enter the analysis parameters, with "0" for the Plan version.
2. Enter the cost center group.
3. Execute

Area: Actual/plan 2 currencies: Selection

Data Source...

Selection values	
Controlling Area	2006
Fiscal Year	2014
From Period	11
To Period	11
Plan Version	0

Select Groups/Values	
Cost Center Group	8485
Or value(s)	to
Cost Element Group	
Or value(s)	to

STEP 2

Only statistical cost centers XXXX-9201 and XXXX-9200 can remain with values at period end. Other cost centers must be balanced

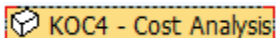
Act/Plan 2 Currancies	Date.
Cost center/group: 8485 Rhodia Iberia	
Reporting period: 11 to 11 2013	

Cost Centers/Cost Elements	Act COCur	Actual in ObjCur
* 8485-9408 Impuesto / Benefi		
* 8485-9408 P+G Cable		
* 7673-9200 Cost of goods sol	175.109,97- EUR	175.109,97- EUR
* 7673-9201 Production varian	89.062,37 EUR	89.062,37 EUR
* 8485-9200 Costo ventas esta		
* 7673-9000 Purchase control		
* 8485-9015 Ctrl Stock Transi		
* 8485-8300 Otros costes oper		

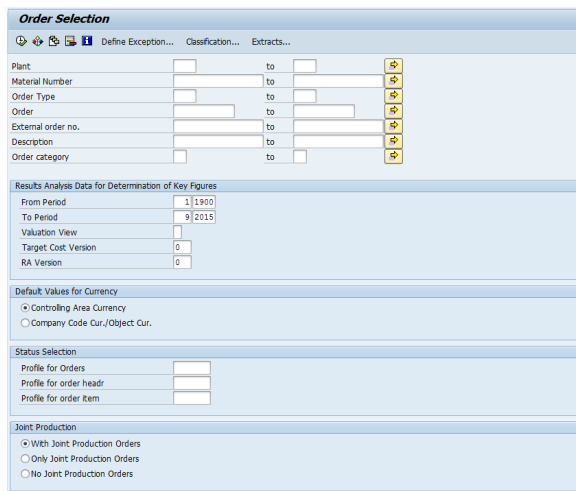
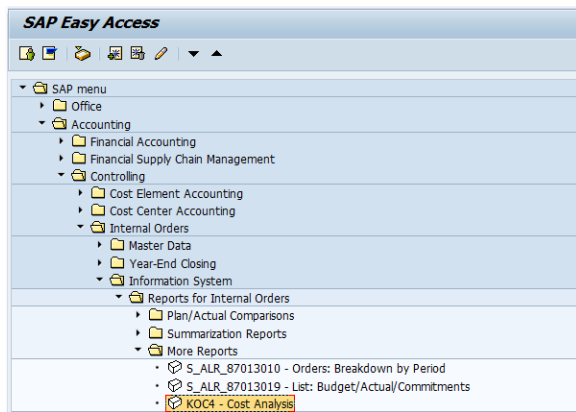
All Orders in KOC4 must be balanced

STEP 1

Start the transaction using the menu path or transaction code

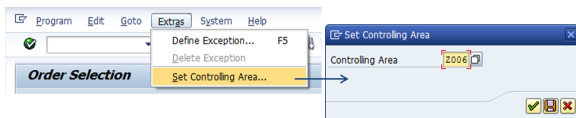


Order Selection: Initial screen



STEP 2

Set the Controlling Area



STEP 3

You can look for an existing variant by

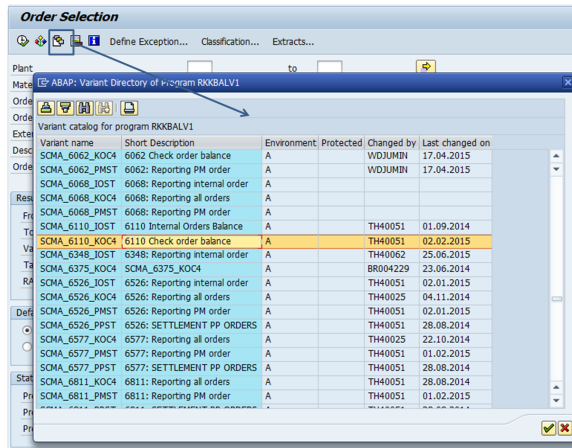


clicking on



Select the variant and

Enter the period



When there is not an existing variant you can make the following selection :

1. Enter the plant code

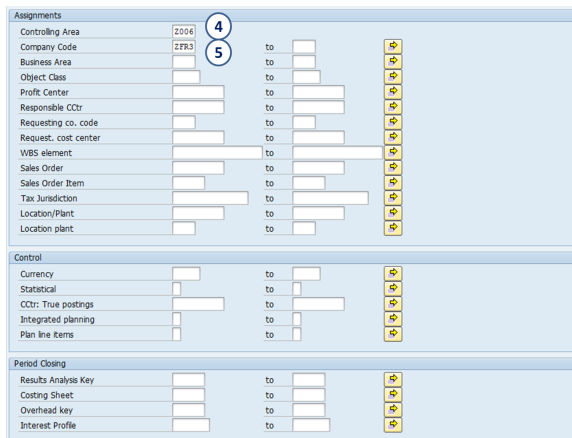
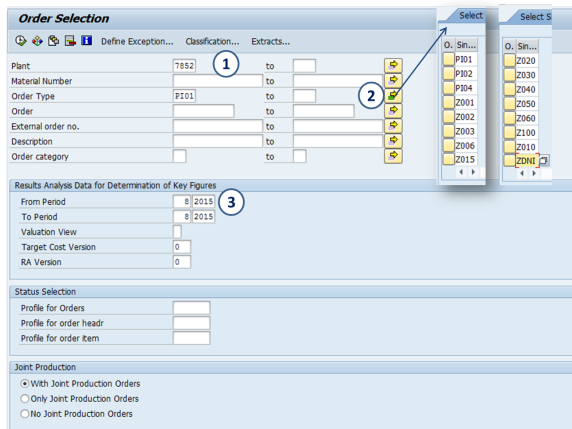
2. Enter the list of "order type" using the list below

PI01	Z002	Z015	Z050	ZDNI
PI02	Z003	Z020	Z060	
PI04	Z006	Z030	Z100	
Z001	ZDNI	Z040	Z010	

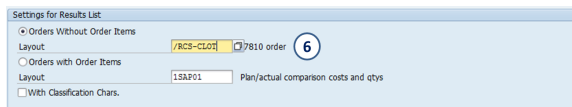
3. Enter the period

4. Enter the controlling area

5. Enter the company code

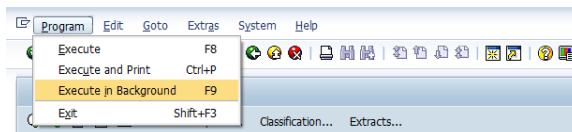


Enter the layout "/RCS-CLOT" to filter on non balanced orders



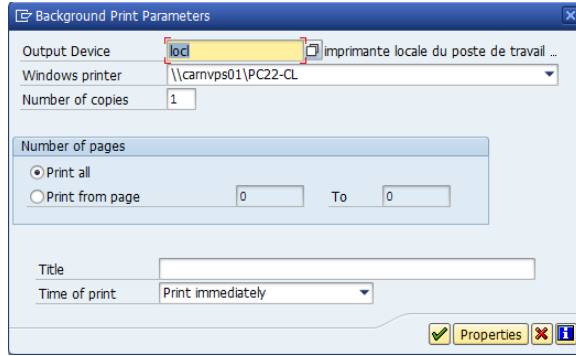
STEP 4

During the closing period, launch processing in background with RFCRCS server group (when the option is available)



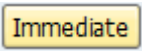
STEP 5

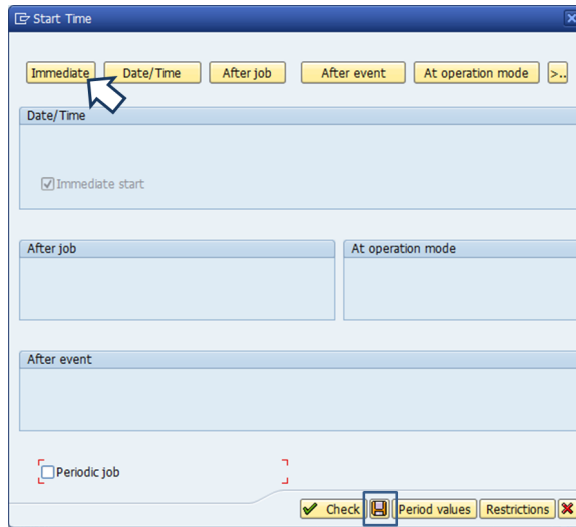
- Enter an output device
- Validate the printing parameters
- and enter 



The 'Background Print Parameters' dialog box is shown. The 'Output Device' field is highlighted with a red box and contains the text 'lcl'. Below it, the 'Windows printer' dropdown menu is open, showing the path '\\camvps01\PC22-CL'. The 'Number of copies' is set to 1. The 'Number of pages' section has 'Print all' selected. The 'Title' field is empty. The 'Time of print' dropdown is set to 'Print immediately'. At the bottom right, there are buttons for 'Properties', a close button (X), and a help button (i).

STEP 6

Click on  to launch the processing immediately and save 



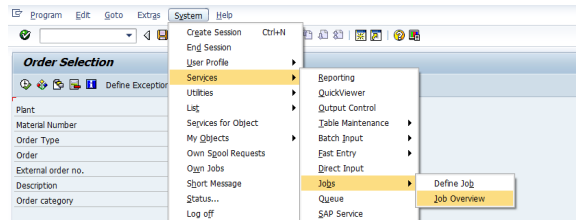
The 'Start Time' dialog box is shown. The 'Immediate' button is highlighted with a mouse cursor. Below the buttons, the 'Date/Time' section is expanded, showing a checkbox for 'Immediate start' which is checked. The 'After job' and 'At operation mode' sections are also visible. At the bottom, there are buttons for 'Check', 'Period values', 'Restrictions', and a close button (X).

A message informs that the Job is active

 Background job was scheduled for program RKKBALV1

STEP 7

Open the job overview



The SAP 'System' menu is open, showing options like 'Organize Session', 'End Session', 'User Profile', 'Services', 'Utilities', 'List', 'Services for Object', 'My Objects', 'Own Sgool Requests', 'Own Jobs', 'Short Message', 'Status...', and 'Log off'. The 'Jobs' option is highlighted, and a sub-menu is open showing 'Define Job' and 'Job Overview'.

STEP 8

Execute  with your user name

Simple Job Selection

Execute
 Extended job selection
 Information

Job name:

User name:

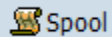
Job status
☐ Sched.
 ☒ Released
 ☒ Ready
 ☒ Active
 ☒ Finished
 ☒ Canceled

Job start condition
 From: To:
 From: To:
 or after event:

Job step
 ABAP program name:

STEP 9

Once the job has the status finished, you can display the spool by selecting the job and clicking on



Job Overview

Release
 Spool
 Job log
 Step
 Application servers

Job overview from: 08.09.2015 at: 15:33:41
 To: 08.09.2015 at: 23:33:53
 Selected job names: *
 Selected user names: CROLLIER

☐ Scheduled
 ☒ Released
 ☒ Ready
 ☒ Active
 ☒ Finished
 ☒ Canceled
☐ Event controlled Event ID:
☐ ABAP program Program name:

Job	Spool list	Job documentation	Job CreatedBy	Status	Start date	Start time	Duration(sec.)	Delay (sec.)
			CROLLIER	Finished	08.09.2015	19:31:29	475	0
							475	0

STEP 10

Select the spool and click on



Output Controller: List of Spool Requests

no.	Type	Date	Time	Status	Pages	Title
73996		09.09.2015	01:39	-	2	LISTIS LOCL RKKBALV1_CRO

STEP 11

This report display all unbalanced process order.

Current Data

Plant	Order	Material Number	Crcy	Actual cost debit	Total act.costs
7852	3383546	61111	EUR	11,989.58	11,989.58
7852	3383547	61111	EUR	1,765.92	1,765.92
7852	3383548	61111	EUR	48,924.00-	48,924.00-
7852	3383549	61111	EUR	1,737.30	1,737.30
* 7852		61111	EUR	33,431.20-	33,431.20-
7852	3383585	72647	EUR	9,709.44-	9,709.44-
7852	3383586	72647	EUR	14,464.68-	14,464.68-
7852	3391561	72647	EUR	55,108.20-	55,108.20-
* 7852		72647	EUR	79,282.32-	79,282.32-
7852	3383535	72765	EUR	116,758.54	116,758.54
7852	3383536	72765	EUR	8,683.11-	8,683.11-
* 7852		72765	EUR	108,075.43	108,075.43
7852	3383528	72766	EUR	249.90-	249.90-
7852	3383529	72766	EUR	280.86-	280.86-
* 7852		72766	EUR	530.76-	530.76-
7852	3383578	72811	EUR	0.20-	0.20-
7852	3383579	72811	EUR	0.14-	0.14-
* 7852		72811	EUR	0.34-	0.34-
7852	3374280	72814	EUR	0.01-	0.01-
* 7852		72814	EUR	0.01-	0.01-
7852	3383571	73712	EUR	5,437.54	5,437.54
7852	3383572	73712	EUR	2,980.89-	2,980.89-
7852	3391562	73712	EUR	98,677.66	98,677.66
* 7852		73712	EUR	101,134.31	101,134.31
7852	3383563	74337	EUR	3,496.35-	3,496.35-
7852	3383564	74337	EUR	3,226.63-	3,226.63-
7852	3383566	74337	EUR	5,783.04-	5,783.04-

STEP 1

To check if WBS orders are settled, use the transaction CJ13 and choose database profile « ZRCS00000001 »

Enter profile

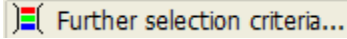
Database prof.

☒ ☐

STEP 2

Insert « * » to select all projects

Click



and select the company code and controlling area for "Organization units definition" and "Organization units WBS element":

Display Project Actual Cost Line Items

Project Management Selections (DB profile: ZRCS-PS00008)

Project: [Field] to [Field]

WBS Element: [Field] to [Field]

Materials in network: [Field] to [Field]

Cost Elements

Cost Element: [Field] to [Field]

Or

Cost Element Group: [Field]

Posting Data

Posting date: 01.11.2013 to 30.11.2013

Settings

Layout: /ZFR3 = 0 ZFR3=0

Dynamic selections

Org. units definition

Company code: ZFR3

Controlling area: Z006

Org. units WBS element

Company code: ZFR3

Controlling area: Z006

STEP 3

Enter the period

and execute



Display Project Actual Cost Line Items

Project Management Selections (DB profile: ZRCS00000001)

Project: [Field] to [Field]

WBS Element: * [Field] to [Field]

Network/order: [Field] to [Field]

Activity: [Field] to [Field]

Materials in network: [Field] to [Field]

Cost Elements

Cost Element: [Field] to [Field]

Or

Cost Element Group: [Field]

Posting Data

Posting date: 01.08.2015 to 31.08.2015

Settings

Layout: /ZFR3 = 0 ZFR3=0

Further Settings...

STEP 4

The total of the column "Value in Obj. Crcy" must be equal to zero when wbs elements are settled

Display Actual Cost Line Items for Projects

Layout: /ZFR3 = 0 ZFR3=0

Object: WBS CN. BBS... Blue Star...

Cost Element: 98100400 To 99430134 SA/SERVICES/HOME...

Posting Date: 01.06.2015 To 30.06.2015

WBS Element	Doc. Date	Cost Element	Cost element descr.	Σ	Value in Obj. Crcy	T Curr
CH.577971.1ZFPRHTR				*	0.00	
CH.577971.1ZFPROTC				*	0.00	
CH.577971.1ZFPRRTP				*	0.00	
CH.577971.1ZFPRRTR				*	0.00	
CH.577971.1ZFDEMG T1				*	0.00	
CH.577971.1ZFDEOTCL				*	0.00	
CH.577971.4274ISAPPL				*	0.00	

Tasks to be completed when documenting an SAP Transaction, Report or Message code.

1. Title of the page = SAP Transaction code, SAP Report or SAP Message
2. Add the following Labels, respectively:

- SAP Transaction => "sap_transaction", Transaction code "xxxx"
- SAP Report => "sap_report"
- SAP Message => "sap_msg"

3. On the left section, describe the steps. On the right section, insert respective print screens and additional guidelines, if needed (e.g. Main selections of the transaction...)

STEP 1

Use transaction code:

i ZWFA15P - Reconciliation of Cost of Goods Sold: Initial Screen

Go to transaction **ZWFA15P**, select the variant of the company code to be analyzed (for example for ZFR3, choose ZFR3_CLOSING) and Validate  and select the corresponding company.

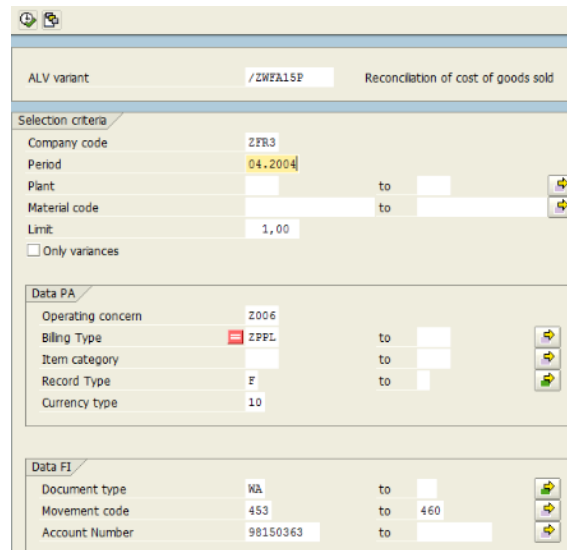
Document Type:

- **WA**: Goods issue
- **WL**: Goods issue/delivery

Movement Code:

- **453** : TP returns to own
- **454** : TP own to returns
- **457** : TP Returns to own QI.
- **459** : TP Ret. to own blkcd.
- **460** : TP Own blkcd to ret.

TP: Transfer to company's own stock



Selection criteria	
Company code	ZFR3
Period	04.2004
Plant	
Material code	
Limit	1,00
☐ Only variances	

Data PA	
Operating concern	Z006
Billing Type	ZPFL
Item category	
Record Type	F
Currency type	10

Data FI	
Document type	WA
Movement code	453 to 460
Account Number	98150363

STEP 2

The outcome of this report allow us to compare COGS amount in FI and in COPA and find out where do discrepancies come from :

- The material master record (if the material has a Standard Cost Estimate)
- The invoice whose number appears on this report
- The order

21.04.2004 SYNTONV2									
Doc. no. FI	Doc. no. PA	Rec. type	Purchase order	Material	Material description	z	Amount FI z	Amount PA z	Difference
9000000295	3191	F		982285	TOLONATE HDT 70 0B CONT 1T		153,60	153,60	153,60
				982285	TOLONATE HDT 70 0B CONT 1T			153,60	153,60
							153,60		0,00
	3749	F		982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0			370.023,88	370.023,88
	3750	F		982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0			370.023,88	370.023,88
9000000318	3751	F		982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0		370.023,88		0,00
							370.023,88		0,00
9000000319				982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0		370.023,88		370.023,88
									370.023,88
9000000322				982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0		370.023,88		370.023,88
									370.023,88
9000000334				982288	TOLONATE HDB 75MX FUT 60 KOPAL 540X0		370.023,88		370.023,88
									370.023,88
9000000338				910773	TOLONATE HDT 90 Vrac		886.542,15		886.542,15
									886.542,15
9000000342				910773	TOLONATE HDT 90 Vrac		915.382,99		915.382,99
									915.382,99
							5.967.213,83	3.786.324,48	2.170.889,35
5000000140			4500001873	951580	RHODOLINE DF 6657 VRAC		7.500,00		7.500,00
							7.500,00		7.500,00
									7.500,00
							9.546.350,76	4.316.700,38	5.229.650,38

How to analyze and correct COGS differences: [click here](#).

All postings done directly in COPA should be avoided. If possible, all necessary corrections must be done in the original CO object.

Anyway, several times it's necessary to make these postings, and therefore we need to guarantee that the total impact in PL of those postings is 0 (or that they were posted to correct already some discrepancy coming from FI - example: from ZWFA15P).

Go to KE24 and search for manual postings (record type = Z):

Selection Conditions			
Currency type	10		
Record type	Z	to	
Period/year	004.2019	to	
Document number		to	
Date created		to	
Reference document number		to	
Entered by		to	
Sender cost center		to	
Cost element		to	
CO order		to	
Sales order		to	
Company code	ZFR3	to	
Customer		to	
Product		to	
Billing date		to	

All postings that we find should have a total amount 0:

- In the same value field - transfer of characteristic (profit center, product, customer, etc)
- In different value fields - transfer of value field (example below)

d	Plant	IECRA	MGN Market	Σ	B10 Net Sales Corr.	Σ	B30 Sales Indus.Inv	Proc
	7822			■	15.874,65	■	15.874,65-	
	7852			■	228.534,98	■	228.534,98-	
				■ ■	244.409,63	■ ■	244.409,63-	

Several times we are facing manual postings done without any CO Object. This generates differences FI/COPA, so we need to identify them and correct them.

In order to do it, go to transaction SQ00.

Select Environment- Query Areas, and then select the Standard Area.

Then select the Costing Group and run Query "Z_FI_DOC", selecting the company and the period:

Check GL posting without A cost object

Company code	ZFR3	to		
Document Number		to		
Fiscal Year	2019	to		

General selections

Posting date	01.09.2019	to	30.09.2019	
--------------	------------	----	------------	--

Technical settings

☐ Read items sequentially

Program selections

General Ledger Account	98100000	to	99999999	
------------------------	----------	----	----------	--

Output Format

☒ SAP List Viewer /DEFAULT

After executing you will have all items posted in the respective company without any CO Object (if any), and that most probably will be generating the FI/COPA differences.

CoCd	DocumentNo	Document Header Text	Year	Pstng Date	G/L	Prof. Seg.	WBS Element	Cost Ctr.	Order	Text	± Amount in LC
ZFR3	3000208041		2019	11.09.2019	98120100	0000000000					302,97
ZFR3	3000208044	Sep 9, 2019, 8:01 AM	2019	11.09.2019		0000000000					1.728,00
ZFR3	3000220456		2019	30.09.2019		0000000000					65,87
ZFR3	3000220460		2019	30.09.2019		0000000000					65,87
ZFR3	3000225181		2019	11.09.2019		0000000000					302,97
ZFR3	3000225182	Sep 9, 2019, 8:01 AM	2019	11.09.2019		0000000000					1.728,00
ZFR3	3000225183		2019	30.09.2019		0000000000					65,87
ZFR3	3000225184		2019	30.09.2019		0000000000					65,87
					98120100						• 4.325,42
ZFR3	1000138297		2019	26.09.2019	98300104	0000000000				to match with rent FX 04/2019 + ES244GD	116,28
ZFR3	1000138298		2019	26.09.2019		0000000000				to match with rent FX 04/2019 + ES244GD	116,28
					98300104						• 232,56
											•• 4.557,98

3.6. I perform a direct CO-PA posting in PL (KE30), in case of impossibility to correct automatically the FI/COPA discrepancy

Important: Please note that the following amounts must be added to the result of the COPA report KE30 as they concern manual corrections:

- Manual Postings in account 98350050 with cost center XXXX-9200 (XXXX stands for company code);
- Manual Postings in COPA derivation accounts 98154199, 98258199 and 98254199;
- MR11 postings in account 98150363 (documents beginning with 48*).

Manual Corrections via FI (Standard Method)

Some accounts are created to be used in manual accounting in COPA. These accounts are assigned in the field status group "Z033 - Purchase & Change in stock acc. COPA" that is, the profit segment fields need to be filled/used: customer, product, distr. channel, payer, ship-to-party and payer country. These accounts are created in CO with cost element category 1 and are customized in the automatic transfer of structure in COPA for direct posting in FI:

Cost Element	Cost Element Name	COPA Structure	COPA Structure Name
--------------	-------------------	----------------	---------------------

98100199	NS COPA REGUL	VVB10	Net Sales Corr.
98120020	VAR. SELLING EXPENSES FREIGHT COST ON SALES COPA	VVC20	Freight (Prov)
98120120	VARIABLE SELLING EXPENSES -COMMISSIONS ASCE. CC	VVC10	Sales Commission
98120210	VARIABLE SELLING EXP - INSURANCES ON SALES COPA	VVC20	Freight (Prov)
98150364	VC - DIRECT TRADE WITH THIRD PARTIES COPA	VVD00	VC Variable Cost
98154199	CP ADJUSTEMENTS - COPA	VVD45	VB cc variances
98254199	CNP ADJUSTEMENTS - COPA	VVE45	FC cc variances
98258199	CNP DEPRECIATION - COPA	VVF45	Dep cc variances
98279199	CNP DIVERS ADJUSTEMENTS - COPA	VVE65	FC others
98333199	FAC ADJUSTEMENTS - COPA	VVI25	G&A adm expenses
98361199	R&D ADJUSTEMENTS - COPA	VVJ01	R&D gross cost

Posting Rules:

- Manual documents with document type AD
- **Reversed on the following period** if the flow is not complete
- Items of the document: enter the most elements (plant, material, sales order) as possible allowed by the account to have the most accurate allocation of these corrections when analyzed. Check file [Possible_Variances.xlsx](#) tab "Example COPA Info Search" to see an example on how to retrieve the COPA data to be used in the posting.
- Posting on "direct COPA" P&L accounts (more often cost valuation differences): If dedicated to a specific flow, report the elements of sales flow (material, plant, customer, sales domain) in the PA object; If more generic, some generic values (material, customer) may be used but the sales domain (sales organization, distribution channel, division) should be carefully chosen in order to allocate this cost to the right BU.

These generic values allow the corrections to be taken in account in Premier Pilotage.

Generally, division XH "non allocated", 999930 for non EU customer or 999931 for EU customer, 77269 for generic material

Types of FI-COPA Adjustments:

Accounting stock corrections – Temporary Corrections Reversed in the following month.
Deliveries not billed: 1. Some very specific cases may not be treated by transaction ZWFAT135. Need to post a manual adjustment. 2. Sales invoices posted on the closing period after ZWFAT135 process.
Stock variation adjustment account: 98350050 "FINISHED PRODUCT STOCK VARIATION-COST OF SALES ADJ" + Cost center CCCC-9200 (statistical cost center for cost of goods sold)
Stock adjustment account: 37000109 "FINISHED PRODUCTS-ADJUSTMENT"
Debit / credit position depending on the correction

Correction of COPA cost of sales – Permanent Corrections not Reversed in the following month.
Posting using a FI document: • C.O.G.S. adjustment P&L account 98154190 "CP Adjustment CC" + Cost center CCCC-9200 (statistical cost center for cost of sales) • C.O.G.S. adjustment P&L account 98154199 "CP Adjustment – COPA" with direct posting in COPA "D45 VC CC variance"
Credit/Debit depends on the type of correction (COPA increase or decrease)
COPA segment parameters should be entered following those of the original flow

Posting Example (IECRA Transfer):

The customer code has been set as mandatory to guarantee the consistency of the analyses made in Premier Pilotage (BOXI). To allow generic postings, the following was defined for the sake of consistency and to avoid discrepancies between RCS PPE and Magnitude:

- "Dummy" customer codes : 999930 (outside EU) and 999931 (within EU).
- Generic "dummy material code" = 77269
 - division XH (unallocated)
 - Combined with an "unallocated" Distribution Channel which is linked to one IECRA (see the list in file [RCS unallocated Distribution Channels.xlsx](#))
 - corresponding commercial product 90032925

Doc.type : SA (G/L account document) Normal document						
Doc. Number	1000038363	Company code	7523	Fiscal year	2006	
Doc. date	29.09.2006	Posting date	29.09.2006	Period	09	
Doc.currency	BRL					
Doc.head.text	Transf. IECRA					

Itm	PK	Account	Account short text	Tx	Cost Ctr	Order	Amt.in loc.cur.
1	40	98154199	CP ADJUST - COPA				1.702.290,00
2	50	98154199	CP ADJUST - COPA				1.702.290,00-

G/L Account: 98154199 CP ADJUSTEMENTS - COPA
Company Code: 7523 Rhodia Poliamida Esp Ltda

Doc no. 1000038363

Line Item 1 / Debit entry / 40

Amount: 1.702.290,00
Tax Code:
Tax Jur.:

Additional Account Assignments

Network:
Quantity: 0,000
Assignment: 20060929
Text: Transf. ref. Material ca

Assignment to a Profitability Segment

Entry aids

- Central entry aids
- My entry aids

Characteristic Char. value Text

Customer 999930 NON ALLOUE -XC /PI

Product 98007 CYCLOHEXANOL BUL

Distr. Channel 56 Nyl & Non-Nyl Int

Plant

Sales Order

Payer

Ship-to party

Division NX CYCLOHEXANOL

IECRA IECRA00712 Intra - Nylon Salt

Profit Center Carat CDPFR00184 POLYAMIDE INTERMEC

Enterprise ENTRP00031 POLYAMIDE INTERMEC

Commercial Product 00000000090039672 BR TEMP PRCOM PI 0

Product line 00 LIP0020158 BR TEMP LIP00 PI 0

Payer country BR BRAZIL

Continue Cancel

G/L Account: 98154199 CP ADJUSTEMENTS - COPA
Company Code: 7523 Rhodia Poliamida Esp Ltda

Line Item 2 / Credit entry / 50

Amount: 1.702.290,00 BRL
Tax Code:
Tax Jur.:

Additional Account Assignments

Network:
Quantity: 0,000
Assignment: 20060929
Text: Transf. ref. Material cadas

Assignment to a Profitability Segment

Entry aids

- Central entry aids
- My entry aids

Characteristic Char. value Text

Customer 999930 NON ALLOUE -XC /PI

Product 98034 ALUMINUM SODA

Distr. Channel 5L Chem. Intern. Mkts

Plant

Sales Order

Payer

Ship-to party

Division 61 RANEY CATALYSTS

IECRA IECRA00711 PI Chemical market

Profit Center Carat CDPFR00184 POLYAMIDE INTERMEC

Enterprise ENTRP00031 POLYAMIDE INTERMEC

Commercial Product 00000000090039672 BR TEMP PRCOM PI 0

Product line 00 LIP0020158 BR TEMP LIP00 PI 0

Payer country BR BRAZIL

Continue Cancel

Important:

There are value fields in COPA that must not be used in cycles, because they are reserved for automatic accounts of logistical flows (see table on the right).

VVA01	Qty invoice
VVA02	Qty as is
VVA03	Qty in %
VVA04	Qty unit base
VVB00	B00 Net Sales
VVB20	B20 Add Net Sales Internal
VVB30	B30 Sales Industrial Invoice
VVB41	B41 Sales Adm&Com SD

VVB50	B50 Sales R&D Invoice
VVB55	B55 Sales Management Fees
VVC00	C00 Rebates
VVC05	C05 Cash Discount Customer SD
VVC30	C30 Foreign Import
VVD00	D00 VC Variable Cost
VVD01	D01 Variable Cost 1
VVC40	C40 Tax/Sale SD Cond

VVD05	D05 VC Process Order Variance
VVD47	D47 CP Ec/T030
VVD52	D52 CP Rev. CCR T030
VVD55	D55 VC Free 1
VVD90	D90 CP Integrated
VVE00	E00 FC Fixed Costs
VVE01	E01 FC Fixed Costs 1
VVE05	E05 FC Process Order Variance
VVE47	E47 CNP Ec/T030
VVD52	D52 CNP Rev. CCR T030
VVD90	D90 CNP Integrated
VVF00	F00 DEP Depreciation
VVF05	F05 DEP Process Order Variance
VVF90	F90 AMO Integrated
VVG25	G25 Bon&m/stock T030

Tasks to be completed when documenting an SAP Transaction, Report or Message code.

1. Title of the page = SAP Transaction code, SAP Report or SAP Message

2. Add the following Labels, respectively:

- SAP Transaction => "sap_transaction", Transaction code "xxxx"
- SAP Report => "sap_report"
- SAP Message => "sap_msg"

3. On the left section, describe the steps. On the right section, insert respective print screens and additional guidelines, if needed (e.g. Main selections of the transaction...)

STEP 1

In case you know the specific document to correct, go to KE24 and find the respective document:

Use transaction code:

KE21N - Manual Posting in COPA: Initial Screen

i By rule, we should not post a document directly in COPA without making an analysis first, because posting only in COPA will cause FI/COPA differences. Everytime it's really necessary to post in COPA, and it's not coming from a reclassification (topic mentioned above), we need also to make sure to fill all necessary information in the 1st tab, namely the PC, material and plant.

Display Actual Line Items: Initial Screen

Selection Conditions

Currency type	10	to	
Record type		to	
Period/year	02.2018	to	
Document number		to	
Date created	12.03.2018	to	
Reference document number		to	
Entered by	pt300185	to	
Sender cost center		to	
Cost element		to	
CO order		to	
Sales order		to	
Company code	3430	to	
Customer		to	
Product		to	
Billing date		to	

Each line is 1 document. In order to see the amounts it's necessary to add the necessary value fields (by column):

COGS	E4X Spare P Var. NA	E90 FC absorption	F00 DEP Std
0,00	0,00	2.247.142,69-	0,00
0,00	0,00	4.395.029,09-	0,00
0,00 -	0,00 -	4.395.029,09 -	0,00 -
0,00	0,00	2.247.142,69-	0,00

You can select layout "ALLVLFIELDS" which includes already all value fields and relevant information, but note that if you do it the transaction will take some time to run, as it will display lots of columns. On the other hand, if you already know which are the value fields or additional details that you are searching for, it's better not to use this layout, and manually add the necessary columns.

STEP 2

Go to KE21N and set Record Type Z and your document as reference (if available; if not, please fill the much details as possible):

Create Line Items: Initial Screen

Document number: Item number: Record Type:
Posting date: 13.03.2018 Period: Fiscal Year:

Valuation Type
☒ Legal View
☐ PrCtr View

Post Line Items
☒ In Operating Concern and Company Code Currency
☐ Only in Operating Concern Currency
☐ Only in Company Code Currency

Enter Using Reference
Document number:
Item number:
Record Type:
Ref.doc.number:
Reference item:

Change what you want to change in the first 2 tabs:

Characteristics Value fields Origin data

Go to the 3rd tab and fill the CE and Order/WBS/etc (which you can also find in the original document, but it's not filled automatically when you use the reference doc) - Very Important to have the correct data in BW:

Characteristics	Value fields	Origin data
Sales and Distribution		
Sales Order		
Sales Order Item	0	
Billing Type		
Goods Issue Date		
Invoice date		
Controlling		
Order		
Sender cost center	4KF5100019	
Sender bus. process		
WBS Element		
Cost Object		
Cost Element	9800310001	

3.7. I properly check the result of the posting

After correcting all differences, re-check the results in FI and in COPA to guarantee that the postings were correctly made, and that the difference doesn't exist anymore.

Also it's necessary to remark that, after the closure, all differences not corrected properly must be analyzed and corrected in the origin:

- New materials should be costed before being used (delivery, production, billing)
- New orders or WBS elements should have a settlement rule
- New cost centers should be included in the assessment cycles
- Blocked invoices in VFX3 should be processed everyday
- Avoid returns with stock movements in different periods of the corresponding credit memos.

For WP2 it might be useful to use the file below to see in detail the existing differences:

[FI COPA CONTROL.xlsm](#)