

# I balance cost centers

Domain: Costing

Responsibility area: Ensure Costing Allocations

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  - [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 \(e.g. Main selections of the transaction...\)](#)

## Scope



WW

## ERP

PF2

WP2

## Frequency



Unknown Attachment

## References

- [KSU5, KEU5, KSV5 - Execute Actual Assessment](#)
- [KSV5 - Perform Actual Distribution cycle](#)
- [KEU5 - Perform actual assessment to CO-PA](#)

## Forms

- [IFRS16 Scheme](#)

## Attachments

- [Assessment cycles](#)
- [Distribution cycles - PF1](#)
- [Distribution cycles - WP1](#)
- [COPA cycles - PF2](#)
- [COPA cycles - WP2](#)

*Previous OP << I balance cost centers >> [I check that cost centers are balanced](#)*

## 1. Objective and Scope

### 1.1. Objective of this Operation

The objective of this operation is to guarantee that all costs posted in Cost Centers are allocated correctly to the final PL of the respective company.

### 1.2. Scope

This procedure is applied to all companies WW.

## 2. Definitions

[Finance - Glossary](#)

## 3. Tasks description

### 3.1. I verify that the previous dependent steps have been performed

- Monthly postings
- Orders and WBS settlement

### 3.2. I guarantee that IFRS16 Cost Centers will be properly allocated

Go to [FBL3N - G/L Account Line Items](#) and select variant "CHECK IFRS16". Update the field company code and the end-date, and execute it.

Note:

- If you are doing the D-2 check and you only have Cost-Centers that already had costs in previous months of the one that you are closing, then We can assume that the cost-center has the correct allocation and the check ends here
- If you have a Cost-Center with costs for the first time in the month that you are closing continue following the steps below

Check which new CCtrs have line items for the first time in this month – in the example below, we have Cctr T717400000 appearing for the first time in September, so for this Cctr we need to make a specific analysis to see if the amounts from IFRS16 are being allocated correctly (the other ones, we assume were already corrected in the previous closures when they appeared for the first time):

| St   | Ass1 | CoG  | DocumentNo | BusA | Typ | Cost Ctr   | Year/mo | PK | Amount in doc. curr. | Curr. t |
|------|------|------|------------|------|-----|------------|---------|----|----------------------|---------|
| *    |      | 3467 |            |      |     | T717400000 | 2020/09 |    | 6.991,38             | EUR     |
| *    |      | 3467 |            |      |     | T717400000 | 2020/10 |    | 776,82               | EUR     |
| **   |      | 3467 |            |      |     | T717400000 |         |    | 7.768,20             | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/01 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/02 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/03 |    | 578,64               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/04 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/05 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/06 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/07 |    | 578,62               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/08 |    | 578,63               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/09 |    | 578,64               | EUR     |
| *    |      | 3467 |            |      |     | T780005439 | 2020/10 |    | 578,63               | EUR     |
| **   |      | 3467 |            |      |     | T780005439 |         |    | 5.786,31             | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/01 |    | 92.284,20            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/02 |    | 92.284,23            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/03 |    | 92.284,20            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/04 |    | 92.284,21            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/05 |    | 92.284,21            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/06 |    | 92.284,21            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/07 |    | 92.284,21            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/08 |    | 100.037,01           | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/09 |    | 80.489,93            | EUR     |
| *    |      | 3467 |            |      |     | T780061430 | 2020/10 |    | 91.835,16            | EUR     |
| **   |      | 3467 |            |      |     | T780061430 |         |    | 918.351,57           | EUR     |
| ***  |      | 3467 |            |      |     |            |         |    | 931.906,08           | EUR     |
| **** |      |      |            |      |     |            |         |    | 931.906,08           | EUR     |

It's necessary to check how this specific CC is being allocated to COPA and to guarantee that the part of the amount that relates to IFRS16 is being allocated to the correct PL headings. To do so, follow [this scheme](#).

**Note:**

After the cycles run we can confirm if the amount was correctly allocated according to the scheme mentioned above.

| Sender cost ctr | Cost Element | z | G70 Misc. Prod Dep z | I80 Dep.G&A Adm z |
|-----------------|--------------|---|----------------------|-------------------|
| T732691A00      | ☰            | * | 0,00 *               | 0,00 *            |
| T732692600      | ☰            | * | 0,00 *               | 0,00 *            |
| T732692A00      | ☰            | * | 0,00 *               | 0,00 *            |
| T780005439      | ☰            | * | 0,00 *               | 5.786,31 *        |
| T780061430      | ☰            | * | 918.351,57 *         | 0,00 *            |
|                 | **           |   | 918.351,57 **        | 5.786,31 **       |

In order to do it, go to KE24 and select variant "CHECK IFRS16". This variant and respective layout are already selecting the necessary ValueFields and Cost Elements that relate to IFRS16. So we should find here the same amount as in FBL3N:

In this case, we have the 5,786 k€ correctly reported in COPA, as well as the 918,351 k€. However, there is 1 amount of 7,768 k€ which is missing in COPA. What actions should be taken?

- 1) Find the origin cost center(s) in FBL3N which is causing the difference .
- 2) Review the [scheme](#) of the cycle's allocation for that specific cost center to make sure that this amount will be correctly reported in the coming months.
- 3) Make a COPA correction in order to correct the cumulated amount, decreasing the amount from it was wrongly allocated and adding it in the correct value field + cost element.



### Important

It's not mandatory to have the amount in [FBL3N - G/L Account Line Items](#) and COPA linked to the same Cost Center. Due to the cycles allocation, several times we have different CC associated. The important thing is to check if the value in the origin ([FBL3N - G/L Account Line Items](#)) matches with the one in COPA ([KE24 - Extract CO-PA line items](#)).

**NOTE FOR THE ANALYSIS:** One good report to analyze these differences is S\_ALR\_87013635 with variant "CHECK\_IFRS16" (update company code + periods). This report shows the original IFRS16 movements + respective IFRS16 allocations for each CC so, if something is not correctly allocated, the CC will not be at zero:

| Cost Centers/Cost Elements       | Act. COGUE | Actual in OBJCUE | Plan in COGUE | Plan in OBJCUE |
|----------------------------------|------------|------------------|---------------|----------------|
| * T780005439 DE IPHS 16 Casa     |            |                  |               |                |
| * T780004140 DE TRP FASE COST    |            |                  |               |                |
| * T7126000021 DE DEF : Incidence |            |                  |               |                |
| * T7174000000 DE I.C. Fluorine   |            |                  |               |                |
| * T7326924000 DESE JCPS          |            |                  |               |                |
| * T7326924000 DE 365 MEC pure    |            |                  |               |                |
| * T7326924000 DESE PCMA          |            |                  |               |                |

While making this analysis, please pay attention to the following:

- a) All gaps between [FBL3N - G/L Account Line Items](#) and [KE24 - Extract CO-PA line items](#) should appear here, if they are related to CC (which is around 95% of the situations). If your gap is not here, it means that it's coming from WBS or Orders' allocation.
- b) If there was any COPA correction made to correct past amounts, everything will be OK between [FBL3N - G/L Account Line Items](#) and [KE24 - Extract CO-PA line items](#), anyway the gap will still appear here (because the correction was done on COPA side, and not on the CC line items). This means that we need to pay extra care when analyzing these gaps, and make sure that there was no correction already performed in COPA, otherwise we will double the amounts.

### 3.3. I perform the cost center allocation (for Distribution, Assessment and CO-PA)



Click on the option below according to the type of Cycle.

#### STEP 1

Start the transaction using the menu path or transaction code **KSU5**

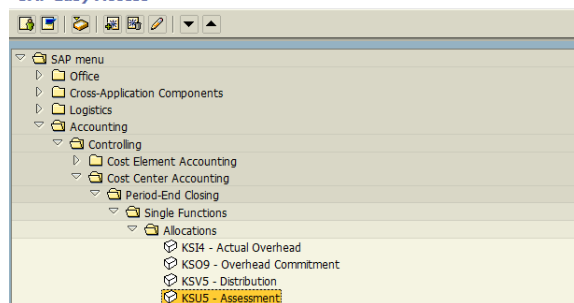
Double-click

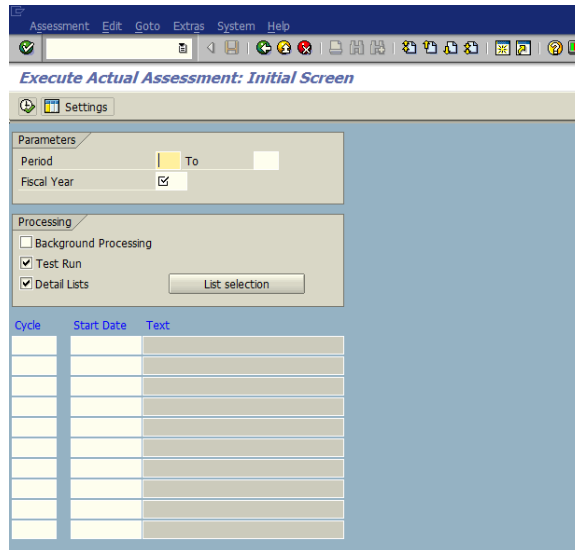
**KSU5 - Assessment**



KSU5, KEU5, KSV5 -  
Execute Actual  
Assessment: Initial Screen

#### SAP Easy Access

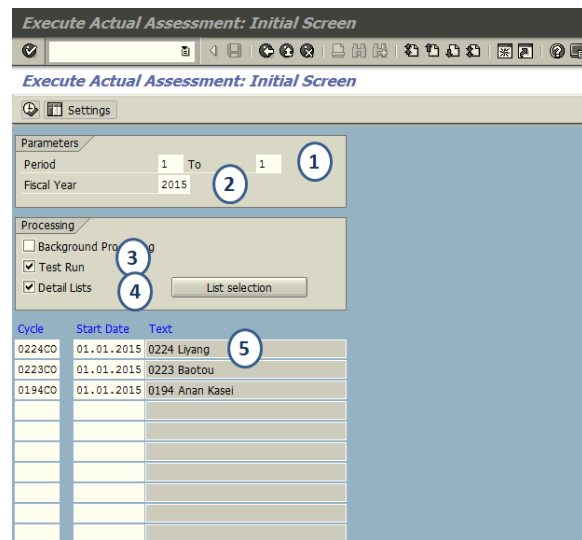




## STEP 2

On the Execute Actual Assessment screen, make the following entries:

|   | Field name                    | User action and values                                            | Comment                                            |
|---|-------------------------------|-------------------------------------------------------------------|----------------------------------------------------|
| 0 | Controlling Area (dialog box) | Enter controlling area                                            | Only needed if dialog box displays.                |
| 1 | Periods                       | Enter one number in each field, for example, from 1 to 1          | Jan =1, Dec=12                                     |
| 2 | Year                          | Current year                                                      |                                                    |
| 3 | Test run                      |                                                                   | Use test run until the run is error-free           |
| 4 | Detailed lists                | x                                                                 |                                                    |
| 5 | Cycle                         | Enter the cycle code => the Start Date comes when you click Enter | You can execute several 10 cycles in one execution |

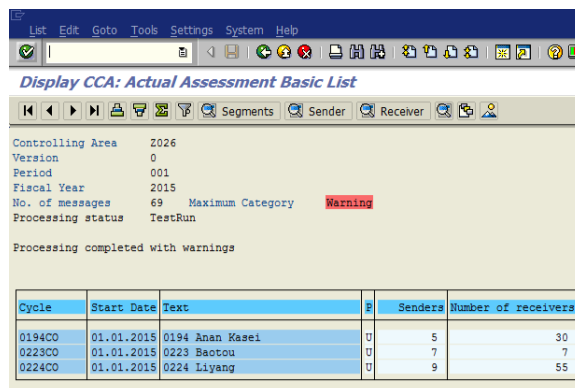


## STEP 3

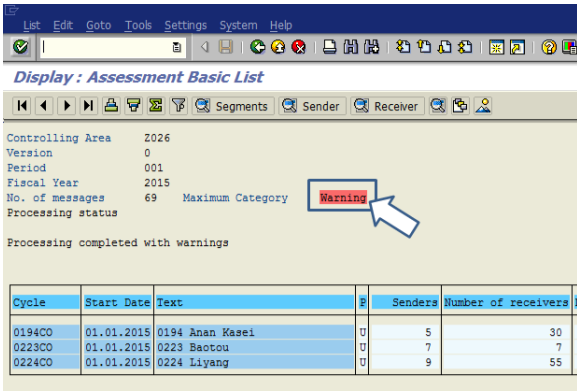
Execute 

 It is compulsory to clear Error messages before saving the cycle

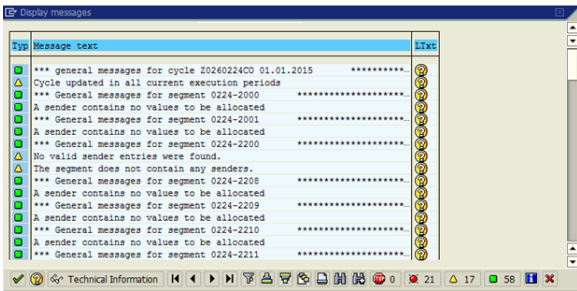
 Inform the person in charge of cycles maintenance if there are errors messages and wait until there are solved before starting the next step



Click **Warning** or **Errors** to display messages



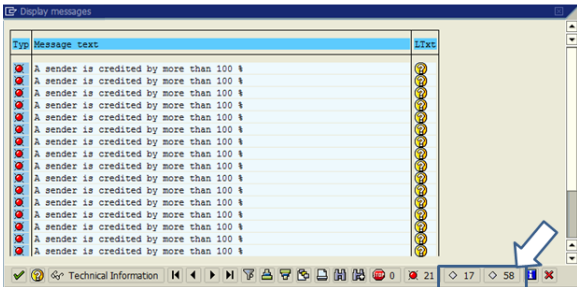
 Messages are displayed



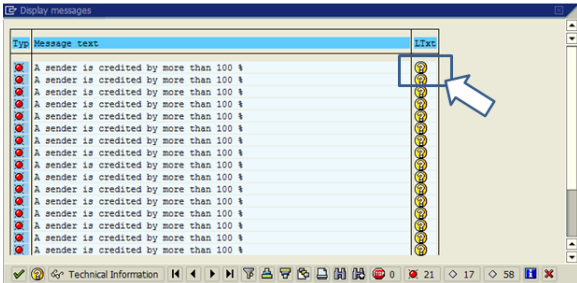
**You can click:**

: hide information

and/or  : warning messages



and then click  to get more detail regarding the error message

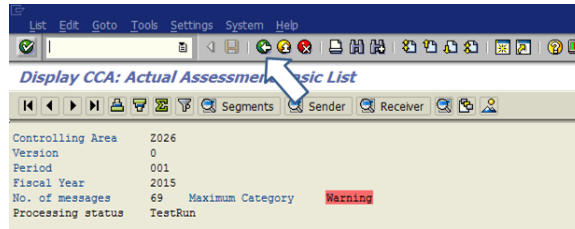


- GA717 - No receiver tracing factors defined
- GA721 - A sender is credited by more than 100 %

### STEP 4

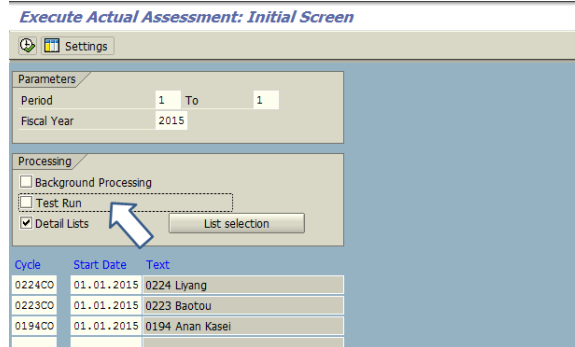
**Go back to the initial screen by**





#### STEP 5

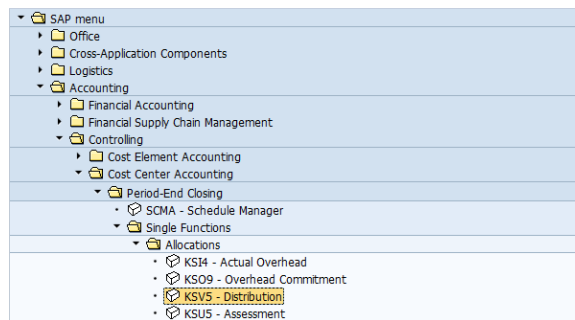
Untick the field "Test run" and  
execute 



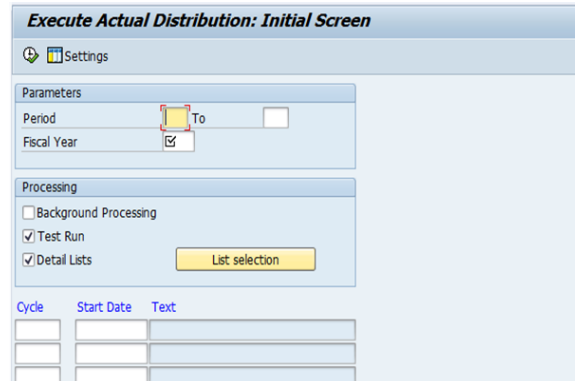
#### STEP 1

Start the transaction using the  
menu path or transaction code  
**KSV5**

Double-click  
 **KSV5 - Distribution**



Execute Actual Distribution:  
Initial Screen



#### STEP 2

On the Execute Actual Distribution screen, make the following  
entries:

|   | Field name                    | User action and values                                   | Comment                             |
|---|-------------------------------|----------------------------------------------------------|-------------------------------------|
| 0 | Controlling Area (dialog box) | Enter controlling area                                   | Only needed if dialog box displays. |
| 1 | Periods                       | Enter one number in each field, for example, from 1 to 1 | Jan =1, Dec=12                      |

|   |                |                                                                   |                                                 |
|---|----------------|-------------------------------------------------------------------|-------------------------------------------------|
| 2 | Year           | Current year                                                      |                                                 |
| 3 | Test run       |                                                                   | Use test run until the run is error-free        |
| 4 | Detailed lists | x                                                                 |                                                 |
| 5 | Cycle          | Enter the cycle code => the Start Date comes when you click Enter | You can execute several cycles in one execution |

**Execute Actual Distribution: Initial Screen**

Settings

Parameters

Period 11 To 11  
Fiscal Year 2015

Processing

☐ Background Processing  
☒ Test Run  
☒ Detail Lists

List selection

| Cycle  | Start Date | Text                 |
|--------|------------|----------------------|
| 0270DV | 01.01.2015 | IAS19 Accrual Engine |
|        |            |                      |
|        |            |                      |
|        |            |                      |

### STEP 3

Execute



It is compulsory to clear Error messages before saving the cycle



Inform the person in charge of cycles maintenance if there are errors messages and wait until there are solved before starting the next step

**Display CCA: Actual Distribution Basic List**

Controlling Area 2006  
Version 0  
Period 011  
Fiscal Year 2015  
No. of messages 18 Maximum Category Warning  
Processing status TestRun

Processing completed with warnings

| Cycle  | Start Date | Text                 | F | Senders | Number of receivers | No. of messages |
|--------|------------|----------------------|---|---------|---------------------|-----------------|
| 0270DV | 01.01.2015 | IAS19 Accrual Engine | U | 0       | 0                   | 18              |

Click **Warning** or **Errors** to display messages

**Display: Assessment Basic List**

Controlling Area 2026  
Version 0  
Period 001  
Fiscal Year 2015  
No. of messages 69 Maximum Category Warning  
Processing status

Processing completed with warnings

| Cycle  | Start Date | Text            | F | Senders | Number of receivers |
|--------|------------|-----------------|---|---------|---------------------|
| 0194CO | 01.01.2015 | 0194 Anan Kasei | U | 5       | 30                  |
| 0223CO | 01.01.2015 | 0223 Baotou     | U | 7       | 7                   |
| 0224CO | 01.01.2015 | 0224 Liyang     | U | 9       | 55                  |



Messages are displayed

**Display messages**

| Type | Message Text                                     | Info |
|------|--------------------------------------------------|------|
| ***  | General messages for cycle 20260224CO 01.01.2015 |      |
| Δ    | Cycle updated in all current execution periods   |      |
| ***  | General messages for segment 0224-2000           |      |
| Δ    | A sender contains no values to be allocated      |      |
| ***  | General messages for segment 0224-2001           |      |
| Δ    | A sender contains no values to be allocated      |      |
| ***  | General messages for segment 0224-2200           |      |
| Δ    | No valid sender entries were found.              |      |
| Δ    | The segment does not contain any senders.        |      |
| ***  | General messages for segment 0224-2208           |      |
| Δ    | A sender contains no values to be allocated      |      |
| ***  | General messages for segment 0224-2209           |      |
| Δ    | A sender contains no values to be allocated      |      |
| ***  | General messages for segment 0224-2210           |      |
| Δ    | A sender contains no values to be allocated      |      |
| ***  | General messages for segment 0224-2211           |      |

You can click:

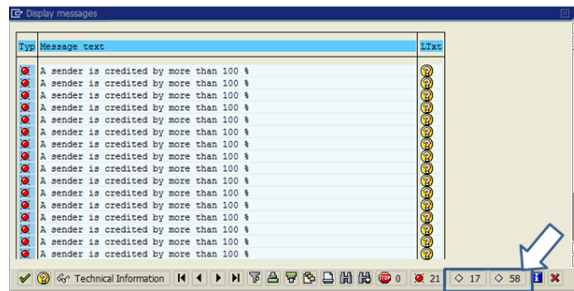


: hide information

and/or



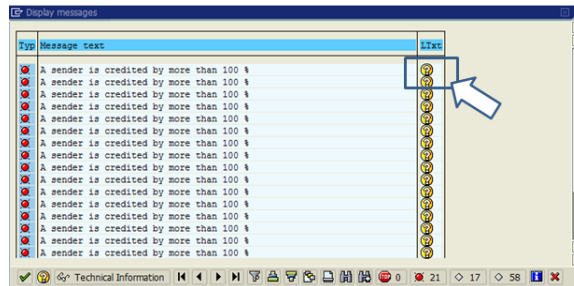
: warning messages



and then click



to get more detail regarding the error message

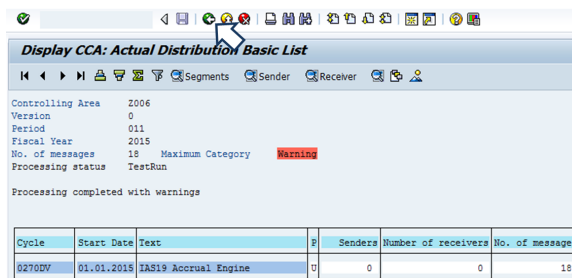


- GA717 - No receiver tracing factors defined
- GA721 - A sender is credited by more than 100 %

#### STEP 4

Go back to the initial screen by

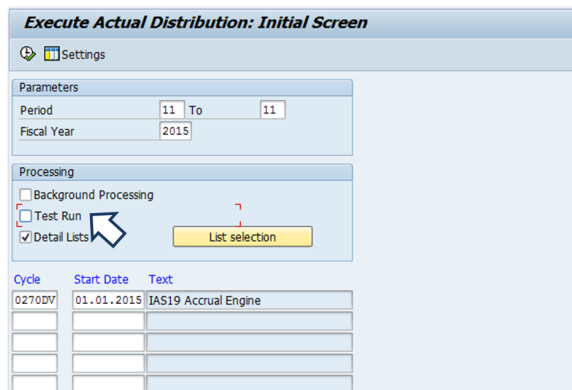
clicking



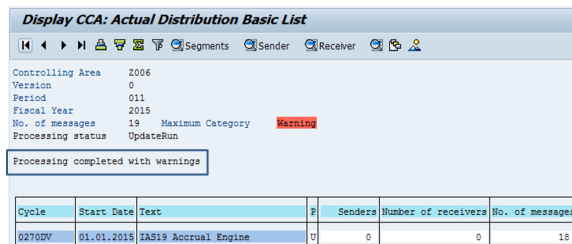
#### STEP 5

Untick the field "Test run" and

execute



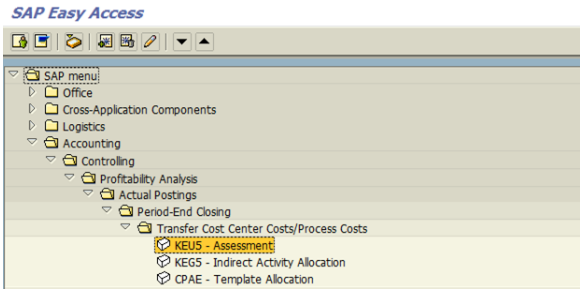
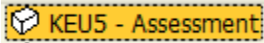
The process is completed without error



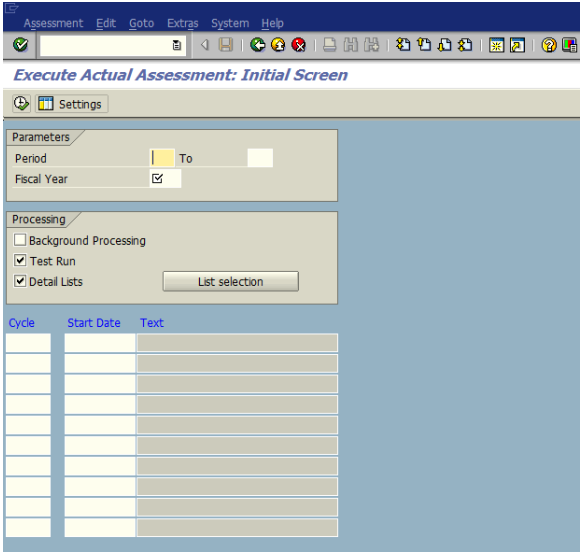
#### STEP 1

Start the transaction using the menu path or transaction code KEU5

Double-click



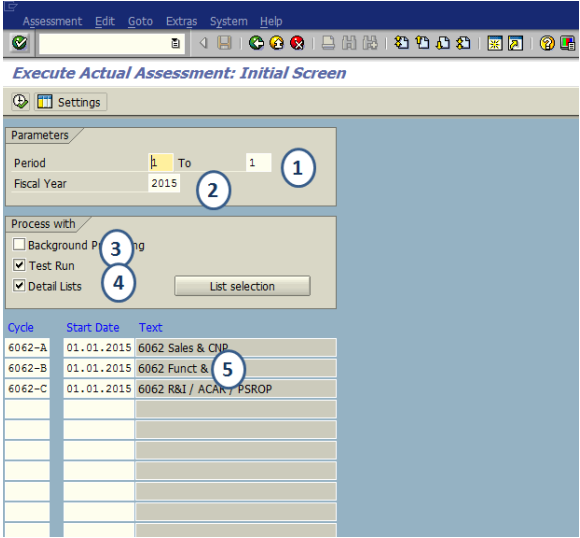
 Execute Actual Assessment: Initial Screen



STEP 2

On the Execute Actual Assessment screen, make the following entries:

|   | Field name                    | User action and values                                            | Comment                                         |
|---|-------------------------------|-------------------------------------------------------------------|-------------------------------------------------|
| 0 | Controlling Area (dialog box) | Enter controlling area                                            | Only needed if dialog box displays.             |
| 1 | Periods                       | Enter one number in each field, for example, from 1 to 1          | Jan =1, Dec=12                                  |
| 2 | Year                          | Current year                                                      |                                                 |
| 3 | Test run                      |                                                                   | Use test run until the run is error-free        |
| 4 | Detailed lists                | x                                                                 |                                                 |
| 5 | Cycle                         | Enter the cycle code => the Start Date comes when you click Enter | You can execute several cycles in one execution |



STEP 3

Execute 

 It is compulsory to clear Error messages before saving the cycle

 Inform the person in charge of cycles maintenance if there are errors messages and wait until there are solved before starting the next step

Click **Warning** or **Errors**

File Edit Goto Tools Settings System Help

|

### Display CO-PA: Actual Assessment Basic List

Segments

|                   |         |                                 |
|-------------------|---------|---------------------------------|
| Controlling Area  | 2026    |                                 |
| Period            | 001     |                                 |
| Fiscal Year       | 2015    |                                 |
| Operating concern | 2026    |                                 |
| No. of messages   | 169     | Maximum Category <b>Warning</b> |
| Processing status | TestRun |                                 |

Processing completed with warnings

| Cycle  | Start Date | Text                    | Senders | Number of receivers | No. |
|--------|------------|-------------------------|---------|---------------------|-----|
| 6062-A | 01.01.2015 | 6062 Sales & CNP        | 8       |                     | 9   |
| 6062-B | 01.01.2015 | 6062 Funct & FAC        | 63      |                     | 66  |
| 6062-C | 01.01.2015 | 6062 R&I / ACAR / PSROP | 20      |                     | 20  |

Display : Assessment Basic List

Controlling Area 2026  
 Version 0  
 Period 001  
 Fiscal Year 2015  
 No. of messages 69 Maximum Category  
 Processing status

Processing completed with warnings

| Cycle  | Start Date | Text            | F | Senders | Number of receivers |
|--------|------------|-----------------|---|---------|---------------------|
| 0194CO | 01.01.2015 | 0194 Anan Kasei | U | 5       | 30                  |
| 0223CO | 01.01.2015 | 0223 Baotou     | U | 7       | 7                   |
| 0224CO | 01.01.2015 | 0224 Liyang     | U | 9       | 55                  |

 Messages are displayed

**You can click**

: hide information

and/or  : warning messages

and then click  to get more detail regarding the error message

Display messages

| Type                                        | Message text                                               | Links |
|---------------------------------------------|------------------------------------------------------------|-------|
| General                                     | *** General messages for cycle 20260224C0 01.01.2015 ***** |       |
| General                                     | ▲ Cycle updated in all current execution periods           |       |
| General                                     | *** General messages for segment 0224-2000 *****           |       |
| A sender contains no values to be allocated | ▲ A sender contains no values to be allocated              |       |
| General                                     | *** General messages for segment 0224-2001 *****           |       |
| A sender contains no values to be allocated | ▲ A sender contains no values to be allocated              |       |
| General                                     | *** General messages for segment 0224-2200 *****           |       |
| No valid sender entries were found.         | ▲ No valid sender entries were found.                      |       |
| The segment does not contain any senders.   | ▲ The segment does not contain any senders.                |       |
| General                                     | *** General messages for segment 0224-2208 *****           |       |
| A sender contains no values to be allocated | ▲ A sender contains no values to be allocated              |       |
| General                                     | *** General messages for segment 0224-2209 *****           |       |
| A sender contains no values to be allocated | ▲ A sender contains no values to be allocated              |       |
| General                                     | *** General messages for segment 0224-2210 *****           |       |
| A sender contains no values to be allocated | ▲ A sender contains no values to be allocated              |       |
| General                                     | *** General messages for segment 0224-2211 *****           |       |

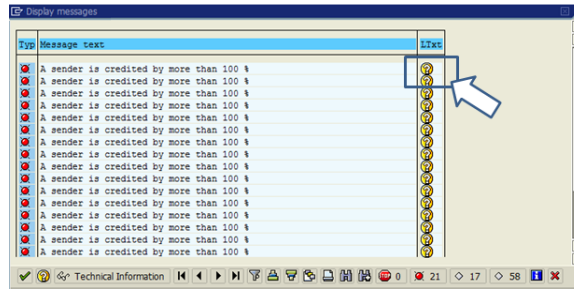
Technical Information

Display messages

| Type | Message text                            | Link |
|------|-----------------------------------------|------|
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |
| X    | A sender is credited by more than 100 0 | 0    |

Technical Information

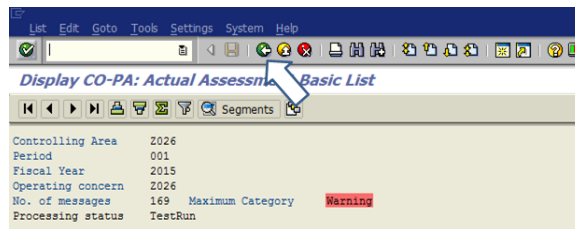
0 21 17 0 58



- GA717 - No receiver tracing factors defined
- GA721 - A sender is credited by more than 100 %

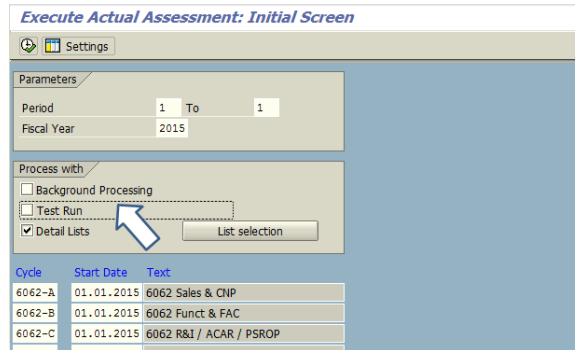
#### STEP 4

Go back to the initial screen by clicking 

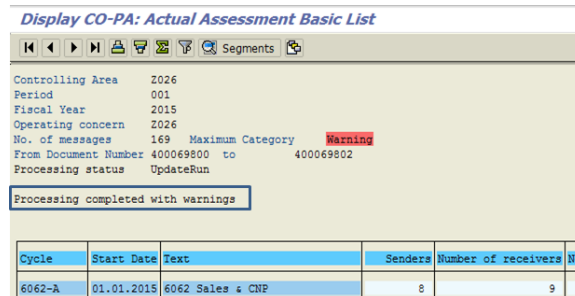


#### STEP 5

Untick the field "Test run" and execute 



The process is completed without error



**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: ZCO\_COPA\_D43



ZCO\_COPA\_D43 - Create and Run Cycle for D43: Initial Screen



This program is only able to calculate the correct material/plant allocation to add in the cycle, for the previous month (not possible for 2 months ago, or more, or even for the current month). So, in the 1st and 2nd step, there is no option to select the month as it will be automatic.

#### STEP 2

This program is used to create /generate the COPA assessment cycle to allocate the amounts to value field D43.

In order to fulfill this requirement, the program has been classified into 3 parts like below:

1. Tracing Factor Table Update
2. Basic Set Generation
3. D43 Cycle Creation

#### STEP 3

By this step, all the relevant data for creating the cycle with receiving tracing factors would be fetched from KSB1 report and stored in the table: ZCO\_COPA\_D43\_TAB.

First Step - Tracing Factor Table Update

Selection Parameters:

- 1. Select "Tracing Factor Table Update" button
- 2. Controlling area: defaults with CHEF
- 3. Company code: Can give individual company code or multiple company codes or range
- 4. Cost Center: Can give individual cost center or multiple cost centers or range
- 5. Test Mode check box: By selecting Test mode, can see the results in the output but do not update the table: ZCO\_COPA\_D43\_TAB

Cycle cccc43 in PF1 - Allocation in PL

D43 Cycle Creation Steps

☒ Tracing Factor Table Update **1**

☐ Basic Set Generation

☐ D43 Cycle Creation

Selection parameters

Controlling Area **CHEF** **2**

Company Code **3** to

Cost Center **4** to

☒ Test mode **5**

At selection parameters, either company code or cost center field are mandatory. If the c.code is selected, the program will pick automatically all CC XX843\* from the selected company.

STEP 4

Output results:

- When Test mode is selected: Results can be seen like below, but would not update the table

Cycle cccc43 in PF1 - Allocation in PL

| Client | CO Area | CoCode | Period | Fiscal Yr | Cost Center | Material | Plant | ValCOA/Cur | Val/ObjCur | Obj Curr. | Time Stamp         | SAP System |
|--------|---------|--------|--------|-----------|-------------|----------|-------|------------|------------|-----------|--------------------|------------|
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300049  | 105533   | 6006  | 100,00     | 100,00     | EUR       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300042  | 105533   | 6006  | 435,00     | 435,00     | EUR       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300042  | 43980    | SMF   | 200,00     | 200,00     | EUR       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300010  | 105533   | 6006  | 1.120,00   | 1.120,00   | EUR       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 64434    | 5007  | 47,25      | 1.111,00   | MXN       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300047  | 64434    | 5007  | 47,25      | 1.111,00   | MXN       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 199029   | 5010  | 6,38       | 150,00     | MXN       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300047  | 199029   | 5010  | 6,38       | 150,00     | MXN       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 198727   | 5012  | 14,46      | 340,00     | MXN       | 20.200.918.105.030 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M843000CC  | 198727   | 5012  | 14,46      | 340,00     | MXN       | 20.200.918.105.030 | INT1303    |

- When Test mode is not selected

Cycle cccc43 in PF1 - Allocation in PL

| Client | CO Area | CoCode | Period | Fiscal Yr | Cost Center | Material | Plant | ValCOA/Cur | Val/ObjCur | Obj Curr. | Time Stamp         | SAP System |
|--------|---------|--------|--------|-----------|-------------|----------|-------|------------|------------|-----------|--------------------|------------|
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300049  | 105533   | 6006  | 100,00     | 100,00     | EUR       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300042  | 105533   | 6006  | 435,00     | 435,00     | EUR       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300042  | 43980    | SMF   | 200,00     | 200,00     | EUR       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5835   | 8      | 2020      | 8784300010  | 105533   | 6006  | 1.120,00   | 1.120,00   | EUR       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 64434    | 5007  | 47,25      | 1.111,00   | MXN       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300047  | 64434    | 5007  | 47,25      | 1.111,00   | MXN       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 199029   | 5010  | 6,38       | 150,00     | MXN       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300047  | 199029   | 5010  | 6,38       | 150,00     | MXN       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M84300025  | 198727   | 5012  | 14,46      | 340,00     | MXN       | 20.200.918.110.022 | INT1303    |
| 020    | CHEF    | 5726   | 8      | 2020      | 4M843000CC  | 198727   | 5012  | 14,46      | 340,00     | MXN       | 20.200.918.110.022 | INT1303    |

Data Browser: Table ZCO\_COPA\_D43\_TAB Select Entries

| Cl  | COA  | CoCd | Per | Year | Cost Ctr   | Material             | Plant | ValCOA/Cur | Val/ObjCur | Obj Curr | Time Stamp         | SAP System |
|-----|------|------|-----|------|------------|----------------------|-------|------------|------------|----------|--------------------|------------|
| 020 | CHEF | 5726 | 008 | 2020 | 4M84300025 | 0000000000000064434  | 5007  | 47,25      | 1.111,00   | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5726 | 008 | 2020 | 4M84300025 | 00000000000000198727 | 5012  | 14,46      | 340,00     | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5726 | 008 | 2020 | 4M84300025 | 00000000000000199029 | 5010  | 6,38       | 150,00     | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5726 | 008 | 2020 | 4M84300047 | 0000000000000064434  | 5007  | 47,25      | 1.111,00   | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5726 | 008 | 2020 | 4M84300047 | 00000000000000199029 | 5010  | 6,38       | 150,00     | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5726 | 008 | 2020 | 4M843000CC | 00000000000000198727 | 5012  | 14,46      | 340,00     | MXN      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5835 | 008 | 2020 | 8784300010 | 00000000000000105533 | 6006  | 1.120,00   | 1.120,00   | EUR      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5835 | 008 | 2020 | 8784300042 | 0000000000000043980  | SMF   | 200,00     | 200,00     | EUR      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5835 | 008 | 2020 | 8784300042 | 00000000000000105533 | 6006  | 435,00     | 435,00     | EUR      | 20.200.918.110.022 | INT1303    |
| 020 | CHEF | 5835 | 008 | 2020 | 8784300049 | 00000000000000105533 | 6006  | 100,00     | 100,00     | EUR      | 20.200.918.110.022 | INT1303    |

- The results update into the table

**i** This program will pick the data from KSB1 for every cost center and subtotal at Plant and Material combination in order to update receiver tracing factors in the table - Note: if the line items doesn't have plant and material, it will be ignored and can be a justification in case of deltas

#### STEP 5

### Second Step - Basic Set Generation

By this step, the program creates separate sets for materials and plants of each cost center, based on the list of materials or plants found in KSB1 report for the period.

#### Selection Parameters:

1. Select "Basic Set Generation" button
2. Controlling area: defaults with CHEF
3. Company code: Can give individual company code or multiple company codes or range
4. Cost Center: Can give individual cost center or multiple cost centers or range
5. Test Mode check box: By selecting Test mode, can see the results in the output but do not update the SETs (display using GS03)

Cycle cccc43 in PF1 - Allocation in PL

**D43 Cycle Creation Steps**

☐ Tracing Factor Table Update  
☒ Basic Set Generation **1**  
☐ D43 Cycle Creation

**Selection parameters**

|                                                        |      |          |    |  |
|--------------------------------------------------------|------|----------|----|--|
| Controlling Area                                       | CHEF | <b>2</b> |    |  |
| Company Code                                           |      | <b>3</b> | to |  |
| Cost Center                                            |      | <b>4</b> | to |  |
| <input checked="" type="checkbox"/> Test mode <b>5</b> |      |          |    |  |

#### STEP 6

#### Output results:

- When Test mode is selected: Results can be seen like below, but would not update the SETs



Observed the message as Value can be added in set, as it is test run only.

| Field   | SET Name          |                                       |
|---------|-------------------|---------------------------------------|
| Product | Z1KD43P4M843000CC | Z1KD43P+XXXXX<br>XXXXX is cost center |
| Plant   | Z1KD43W4M843000CC | Z1KD43W+XXXXX<br>XXXXX is cost center |

Cycle cccc43 in PF1 - Allocation in PL

| Table Name | Field | Set Name          | Description                    | From value         | Message Text              |
|------------|-------|-------------------|--------------------------------|--------------------|---------------------------|
| ARTNR      | ARTNR | Z1KD43P4M84300025 | Materials group for 4M84300025 | 000000000000064434 | Value can be added in set |
| CE7FO01    | ARTNR | Z1KD43P4M84300025 | Materials group for 4M84300025 | 000000000000198727 | Value can be added in set |
| ARTNR      | ARTNR | Z1KD43P4M84300047 | Materials group for 4M84300047 | 000000000000199029 | Value can be added in set |
| CE7FO01    | ARTNR | Z1KD43P4M84300047 | Materials group for 4M84300047 | 000000000000064434 | Value can be added in set |
| ARTNR      | ARTNR | Z1KD43P4M843000CC | Materials group for 4M843000CC | 000000000000198727 | Value can be added in set |
| CE7FO01    | ARTNR | Z1KD43P4M843000CC | Materials group for 4M843000CC | 000000000000105533 | Value can be added in set |
| ARTNR      | ARTNR | Z1KD43W8784300010 | Materials group for 8784300010 | 000000000000042980 | Value can be added in set |
| CE7FO01    | ARTNR | Z1KD43W8784300010 | Materials group for 8784300010 | 000000000000042980 | Value can be added in set |
| ARTNR      | ARTNR | Z1KD43W8784300042 | Materials group for 8784300042 | 000000000000105533 | Value can be added in set |
| CE7FO01    | ARTNR | Z1KD43W8784300042 | Materials group for 8784300042 | 000000000000105533 | Value can be added in set |
| WERKS      | WERKS | Z1KD43W4M84300025 | Plants group for 4M84300025    | 5007               | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W4M84300025 | Plants group for 4M84300025    | 5010               | Value can be added in set |
| WERKS      | WERKS | Z1KD43W4M84300047 | Plants group for 4M84300047    | 5012               | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W4M84300047 | Plants group for 4M84300047    | 5007               | Value can be added in set |
| WERKS      | WERKS | Z1KD43W4M843000CC | Plants group for 4M843000CC    | 5010               | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W4M843000CC | Plants group for 4M843000CC    | 5012               | Value can be added in set |
| WERKS      | WERKS | Z1KD43W8784300010 | Plants group for 8784300010    | 6006               | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W8784300010 | Plants group for 8784300010    | 6006               | Value can be added in set |
| WERKS      | WERKS | Z1KD43W8784300042 | Plants group for 8784300042    | SMF                | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W8784300042 | Plants group for 8784300042    | SMF                | Value can be added in set |
| WERKS      | WERKS | Z1KD43W8784300049 | Plants group for 8784300049    | 6006               | Value can be added in set |
| CE7FO01    | WERKS | Z1KD43W8784300049 | Plants group for 8784300049    | 6006               | Value can be added in set |

- When Test mode is not selected



Observed the message as Value successfully added in set, as it is real run only. These SETs can be checked in GS03:

Cycle cccc43 in PF1 - Allocation in PL

| Table Name | Field | Set Name          | Description                    | From value         | Message Text                    |
|------------|-------|-------------------|--------------------------------|--------------------|---------------------------------|
| ARTNR      | ARTNR | Z1KD43P4M84300025 | Materials group for 4M84300025 | 000000000000064434 | Value successfully added in set |
| CE7FO01    | ARTNR | Z1KD43P4M84300025 | Materials group for 4M84300025 | 000000000000198727 | Value successfully added in set |
| ARTNR      | ARTNR | Z1KD43P4M84300047 | Materials group for 4M84300047 | 000000000000199029 | Value successfully added in set |
| CE7FO01    | ARTNR | Z1KD43P4M84300047 | Materials group for 4M84300047 | 000000000000064434 | Value successfully added in set |
| ARTNR      | ARTNR | Z1KD43P4M843000CC | Materials group for 4M843000CC | 000000000000198727 | Value successfully added in set |
| CE7FO01    | ARTNR | Z1KD43P4M843000CC | Materials group for 4M843000CC | 000000000000105533 | Value successfully added in set |
| ARTNR      | ARTNR | Z1KD43W8784300010 | Materials group for 8784300010 | 000000000000042980 | Value successfully added in set |
| CE7FO01    | ARTNR | Z1KD43W8784300010 | Materials group for 8784300010 | 000000000000042980 | Value successfully added in set |
| ARTNR      | ARTNR | Z1KD43W8784300042 | Materials group for 8784300042 | 000000000000105533 | Value successfully added in set |
| CE7FO01    | ARTNR | Z1KD43W8784300042 | Materials group for 8784300042 | 000000000000105533 | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W4M84300025 | Plants group for 4M84300025    | 5007               | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W4M84300025 | Plants group for 4M84300025    | 5010               | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W4M84300047 | Plants group for 4M84300047    | 5012               | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W4M84300047 | Plants group for 4M84300047    | 5007               | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W4M843000CC | Plants group for 4M843000CC    | 5010               | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W4M843000CC | Plants group for 4M843000CC    | 5012               | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W8784300010 | Plants group for 8784300010    | 6006               | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W8784300010 | Plants group for 8784300010    | 6006               | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W8784300042 | Plants group for 8784300042    | SMF                | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W8784300042 | Plants group for 8784300042    | SMF                | Value successfully added in set |
| WERKS      | WERKS | Z1KD43W8784300049 | Plants group for 8784300049    | 6006               | Value successfully added in set |
| CE7FO01    | WERKS | Z1KD43W8784300049 | Plants group for 8784300049    | 6006               | Value successfully added in set |

Display Set: Values

|            |                   |                                |
|------------|-------------------|--------------------------------|
| Basic set  | Z1KD43P4M84300025 | Materials group for 4M84300025 |
| Table      | CE7FO01           | Siv ERP Operating co           |
| Field name | ARTNR             | Product number                 |

| No. | From value | To value | Short text of set line | For |
|-----|------------|----------|------------------------|-----|
| 001 | 64434      |          |                        |     |
| 002 | 198727     |          |                        |     |
| 003 | 199029     |          |                        |     |

## STEP 7

### Third Step - D43 Cycle Creation

By this step, it creates allocation cycles. One cycle for each company code and based on the number sender cost centers in the company code, those many segments would be created.

Table: ZCO\_COPA\_D43\_TAB and SETs created are the source for cycle creation.

This can be run in two ways, one by creating a Batch Input session and another by call transaction method.

#### Selection Parameters:

- Select "D43 Cycle Generation" button
- Company code: If not entered, the program checks the company codes from table ZCO\_COPA\_D43\_TAB. It would be better to run this step, each company code wise.
- Posting period: This is by default would be period M.

4. Assessment CElem: The same assessment cost element will be passed into cycle segments. It is better to run all the company codes which use the same assessment CE. If no requested exception from the controllers, should be CE 9802000001.
5. Cost Center: If not given, then system checks the company codes, if not given company codes, system will fetch all the company codes and cost centers from the table: ZCO\_COPA\_D43\_TAB
6. Cost Element: All CE to be read on the cost center.
7. OPTON1: Batch Input details (Generate Session): By this system creates a Batch input session, which has to be executed by transaction SM35. System creates session name as ZD43DDMMYYYY. This DD and MM would be the 1st day of period M.
8. OPTION2: Batch Input details (Call transaction): By this system directly calls the transaction code and creates the cycles. In case of any errors, the program creates an error session with the name mentioned here.

Cycle cccc43 in PF1 - Allocation in PL

**D43 Cycle Creation Steps**

☐ Tracing Factor Table Update  
☐ Basic Set Generation  
☒ D43 Cycle Creation **1**

**Selection parameters**

Company Code  **2** to   
 Posting period 2020.08 **3**  
 Assessment CElem 9802000001 **4**  
 Cost Center  **5** to   
 Cost Element 6000000000 **6** to 9ZZZZZZZZ

**Batch Input details**

☒ Generate session **7**
☐ Call transaction **8**

Session name ZD4301082020  
 User INJT1303  
 Keep session ☐  
 Lock date

Run mode N  
 Update session L  
 Error sessn   
 User INJT1303  
 Keep session ☐  
 Lock date

#### STEP 8

#### Output results:

Once executed the session, then Assessment cycles are seen like below:

- Cycle code is CCCC43
- Start date is the 1st day of period M
- Text is D43 + company code

CO-PA Display Actual Assessment Cycle: Header Data

First segment

Operating concern F001: Slv ERP Operating concern Status Saved

Cycle 572643

Start Date 01.09.2020 To 31.12.9999

Text D435726

**Indicators**

☒ Sender Select. Type  
☐ Aggreg. Tracing Factor

**Preset Selection Criteria**

CO Area CREF ERP SOLVAY  
 Type of CO-PA 1 Costing-Based Profitability An

- Segment name: cccc43 (cycle code)+01 (numbering for each segment)
- Segment description: As program creates each

segment for one cost center, that cost center code is seen as segment description

- Assessment cost element: which is mentioned in the selection parameters
- Value field: VVD43 always
- Receiver tracing factor rule: Fixed amount (as receivers will be assessed either with positive or negative amount)

CO-PA Display Actual Assessment Cycle: Segment

Operating concern: F001 SIV ERP Operating concern  
 Cycle: 572643 D435726  
 Segment Name: 57264301 4M84300025 ☐ Lock indicator

Segment Header Senders/Receivers Receiver Tracing Factor

Assessment CElem: 9802000001 CDV  
 Value Field All: VVD43 D43 Other Var NA  
 Alloc. structure:  
 PA transfer struct.:

Sender values  
 Rule: 1 Posted amounts  
 Share in %: 100,00

Receiver tracing factor  
 Rule: 2 Fixed amounts

- Cost Center: This is the sender cost center
- Sender Cost element: Which are passed in the selection parameters
- Receiver (product): Product group/set created for the sender cost center
- Receiver (Plant): Plant group /set created for the sender cost center

CO-PA Display Actual Assessment Cycle: Segment

Operating concern: F001 SIV ERP Operating concern  
 Cycle: 572643 D435726  
 Segment Name: 57264301 4M84300025 ☐ Lock indicator

Segment Header Senders/Receivers Receiver Tracing Factor

| Sender       | From       | To         | Group       |
|--------------|------------|------------|-------------|
| Cost Center  | 4M84300025 |            |             |
| Cost Element | 6000000000 | 9ZZZZZZZZZ |             |
| Receiver     |            |            |             |
| Product      |            |            | Z1KD43P4M84 |

|                | From | To | Group       |
|----------------|------|----|-------------|
| Shp. Cond.     |      |    |             |
| Distr. Channel |      |    |             |
| Plant          |      |    | Z1KD43W4M84 |
| Activity1(mkt) |      |    |             |

- Observe the receiver tracing factors.
- Receiver currency: Company code currency
- Receiver combinations: from table: ZCO\_COPA\_D43\_TAB, amounts (either positive or negative) only passed to the combinations identified in the table, otherwise, program passes zero.

CO-PA Display Actual Assessment Cycle: Segment

Operating concern: F001 SIV ERP Operating concern  
 Cycle: 572643 D435726  
 Segment Name: 57264301 4M84300025 ☐ Lock indicator

Segment Header Senders/Receivers Receiver Tracing Factor

Find Receiver

Receivers  
 Currency: F001

| Product | Plant | Amount   |
|---------|-------|----------|
| 64434   | 5007  | 1.111,00 |
| 64434   | 5010  | 0,00     |
| 64434   | 5012  | 0,00     |
| 198727  | 5007  | 0,00     |
| 198727  | 5010  | 0,00     |
| 198727  | 5012  | 340,00   |
| 199029  | 5007  | 0,00     |
| 199029  | 5010  | 150,00-  |
| 199029  | 5012  | 0,00     |

- Cycle Run Group: the company code

#### STEP 9

### Run the cycle

After the cycle is created it should be run in the same way as all other COPA cycles, in transaction KEU5 (important to select always the cycle with Start Date on the closing month, otherwise the CC cc843\* will remain unbalanced).

#### STEP 10

### Corrections and Re-runs

It's not possible to make any manual change in the tables automatic generated via this transaction.

If, by any reason, it's necessary to make any update to the cycle, it should be done via the usual transaction KEU2.

If it's necessary to rerun the cycle it's important to check the necessity of re-running all steps or only the last one: in a general way, the need to re-run the cycle is happening because there were some additional postings on materials. For these cases (including corrections on prices or quantities) it's necessary to repeat all steps, as the allocation of the amount to each material will change. It's also important to know that:

- If by these correction postings, program is expected to add any new segments, it is possible. (program does the changes to cycle-segment)
- If by these correction postings, program is expected to add/delete the receiver combinations or change the receiver amounts, it is also possible.
- If by these correction postings, program is expected to lock/delete a segment/cycle, it is not possible. (it has to be manually locked the segment, otherwise the CC will not be balanced)