

KE28 - TOP DOWN Distribution

Tasks to be completed when documenting an operation (from creation to publication)

1. Enter the **Title of the operation / page**

2. Add the following Labels:

- Scope of applicability: ww, country_accounting
 - Country or group of countries (if applicable): belux, china, france, italy, lam, nam,uk_ie, bulgaria, dach, netherlands, iberia, poland, latvia, australia, india, japan, south_korea, thailand, singapore, new_zealand, emea_transversal, apac_transversal
 - Unit and Domain according to the [List of labels to be used in the Finance Service Line space](#)
 - **E.g. 1:** WW Operation in Financial Accounting under domain "Central Finance Processes & Compliance":
 - Labels to be used: **ww, financial_accounting, central_fin_proc_compliance**
 - **E.g. 2:** France Operation in Financial Accounting:
 - Labels to be used: **country_accounting, france, financial_accounting**
- (for country operations, the Domain is always country_accounting)

3. Fill in all fields as described above

4. Name the title of each section using OPD methodology naming convention - **Infinitive verb without the "to", mainly action verb...something) -" I do something..."**

5. Once the description of the operation is completed, ensure it is approved and published by launching the [Finance approval workflow](#)

Domain:

Responsibility area:

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Scope



WW

Uni

ERP

PF2

Frequency

References

Forms

[KE28 Template](#)

Attachments

<< KE28 - TOP DOWN Distribution
>>

. Objective and Scope

1.1. Objective of this Operation

- COPA Top-down distribution (tcode KE28 or KE28A) is a periodic function that lets you distribute the aggregated data (sum up of the original COPA records) to more detailed levels on the basis of reference information.
 - The original COPA record can be any record type if relevant, like B type (from shipment cost for example), D type (from cost center assessment)...
 - The distribution reference can be the posting figure of any COPA value field, as long as the records fall into the same group (defined by 'Copy' characteristic, to be explained later).
- Generally speaking, when execute KE28, it post a reversal record against original records (after sum up), then post several split records for each combination according to reference ratio.

1.2. Scope

This procedure is just performed on company code 4290 and 6401.

2. Definitions

See [Finance Glossary](#):

- [PF1](#)

3. Tasks description

We Have two main steps on this procedure, the first one is to calculate the cycles allocation and the second on is to run the transaction KE28A

3.1. I update the *template*

3.1.1. I open the monthly template and extract the data

With the [template](#) opened I'm going to start to extracting the SAP data.

I execute the Macro in tab "Read me first" - Extraction All. If needed data can be extracted individually.

The screenshot displays the SAP KE28 interface. At the top, there is a dark blue header with the text "KE28" and the Solvay logo with the tagline "PROGRESS BEYOND". Below the header, there is a light blue bar containing a dropdown menu for "MONTH/YEAR" with the value "007.2021". The main area contains four buttons: "Extraction All" (highlighted with a red border), "Extraction SAP KE24 database", "Extraction Mileage (7470)", and "Extraction SAP TPT KSB1". At the bottom, there is a navigation bar with several tabs: "Read me first" (highlighted with a red border), "SAP KE24 database", "KE24 database - Mileage (7470)", "SAP TPT KSB1", "SODA ASH C40 C41", "Royalties-SD Derivatives", "TPT cost centers", and "Mileage Credit TPT".

In case the Macro has an error, to extract manually follow the steps below:

Display Actual Line Items: FO01 - Cost-Based



Selection Conditions

Currency type	10			
Record type		to		
Period/year	007.2021	to	007.2021	
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	4290	to		
Customer		to		
Product		to		
Billing date		to		

Selection Conditions

Edit Selection Screen

Characteristics

Industry code 1		to		
Valuation Type		to		
Sales district		to		
Batch		to		
Incoterms		to		
Group code		to		
Acct Assmt Grp Cust.		to		
Customer Classific.		to		
Payer		to		
Ship-To Party		to		

Key Figures

QRU Qty report. Unit		to		
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Layout

Layout	/KE28-4290
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Mode of access

Read acc. to current structure

Extract the data and paste values on tab " SAP KE24 database "

For SD Derivatives Div 47 we need to extract the information separately but I going to follow the same as I performed above;

Display Actual Line Items: FO01 - Cost-Based

Selection Conditions

Currency type	10			
Record type		to		
Period/year	007.2021	to	007.2021	
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	4290	to		
Customer		to		
Product		to		
Billing date		to		

Selection Conditions

Edit Selection Screen

Characteristics

Industry code 1		to		
Valuation Type		to		
Sales district		to		
Batch		to		
Incoterms		to		
Group code		to		
Acct Assmt Grp Cust.		to		
Customer Classific.		to		
Payer		to		
Ship-To Party		to		

Key Figures

QRU Qty report. Unit		to		
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Layout

Layout	/KE28-7470
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Mode of access

Read acc. to current structure

Extract the data and paste values on tab " KE24 database - Mileage (7470)

Make a filter to see line items just for plant GRU

For Derivatives only chipping condition 21 and "blank" should be considered to GRU plant.

You need to exclude the line items which has no follow this rule:

Profit Center	Plant	Division	Shipping Conditions
F47ABBXXU4	GRU	AO	21
F25MKXXXU2	GRU	AD	
F25MKXXXU2	GRU	AD	21
F25MKXXXU2	GRU	AD	CW

After that I extract the data from KSB1:

Display Actual Cost Line Items for Cost Centers : Initial Screen

Further Selection Criteria...

Controlling Area: CHEF

Cost Center: C019400021 to

or

Cost Center Group:

Cost Element: to

or

Cost Element Group:

Posting Data

Posting Date: 01.07.2021 to 31.07.2021

Settings

Layout: /TPT 4290 TPT Allocation 4290

More Settings

Selection Screen Definition

Edit Selection Screen

TPT cost center line items

Variant: TPT 4290

Extract data and paste values on tab " SAP TPT KSB1 "

OUTPUT= Once you fill in the orange tabs, the blue ones will be updated for further checking.

3.1.2. I do the checks

3.1.2.1 I check tabs

SODA ASH C40 C41

Royalties-SD Derivatives

I check if there is any difference between the Total of the Pivot table and Total Division AD / A1 / A3 / AO.

SODA ASH Allocation - Royalties & Natural Gas Edge

Cycle 4290RO → to be executed before 4290RP

Update segments:

- 1) COF25-C412
- 2) COF25-C402

C046100001

SODA ASH		AD	
Profit Center	Plant	Qty QRU	%
F25MKXXX92	5835	-	0,00
F25MKXXXU1	5835	-	0,00
F25MKXXXU2	5835	4.253.453,10	3,00
F25MKXXX92	5838	-	0,00
F25MKXXXU1	5838	-	0,00
F25MKXXXU2	5838	-	0,00
F25MKXXX92	5839	-	0,00
F25MKXXXU1	5839	466.566,27	0,33
F25MKXXXU2	5839	-	0,00
F25MKXXX92	5841	-	0,00
F25MKXXXU1	5841	133.356,16	0,09
F25MKXXXU2	5841	-	0,00
F25MKXXX92	5842	-	0,00
F25MKXXXU1	5842	-	0,00
F25MKXXXU2	5842	640.953,24	0,45
F25MKXXX92	5843	-	0,00
F25MKXXXU1	5843	-	0,00
F25MKXXXU2	5843	2.148.757,77	1,51
F25MKXXX92	5845	-	0,00
F25MKXXXU1	5845	-	0,00
F25MKXXXU2	5845	129.890,71	0,09
F25MKXXX92	GRM	-	0,00
F25MKXXXU1	GRM	487.883,96	0,34
F25MKXXXU2	GRM	76.343.453,10	53,77
Total		141.966.555,82	100,00
Total Division AD		141.966.555,82	
Diff. Check		- 0,00	check 5800 by PC

Read me first	SAP KE24 database	KE24 database - Mileage (7470)	SAP TPT KSB1	SODA ASH C40 C41	Royalties-SD Derivatives	TPT cost centers	Milage Credit TPT
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If there is any difference, check in transaction KE30 following the steps below:

KE30 - report CHEOPS CONTROL

Division: AD / A1 / A3 / AO

Report selections

Customer		
Division	AD	SA DENSE NATURAL
state		
Company Code	4290	SOLVAY CHEM (US)
Period/year /\$FROM	009.2019	September 2019
Period/year /\$TO	009.2019	September 2019
Business area (opt)		to
Profit center		to
Country		to
Product hierarchy		to

Add plant on the SAP report and check if the qty by plant is the same as distributed in the table of % allocations.

Cycle 429UKU

Update segments:

1) C0F25-C40

2) C0F25-C41

COF25ADXU2

SODA ASH		AD	
Profit Center	Plant	Qty QRU	%
F25MKXXXU1	5007	-	0,00
F25MKXXXU2	5007	-	0,00
F25MKXXXU1	50QB	-	0,00
F25MKXXXU2	50QB	566.310,07	0,35
F25MKXXXU1	50TB	-	0,00
F25MKXXXU2	50TB	1.569.860,51	0,98
F25MKXXXU1	50VB	-	0,00
F25MKXXXU2	50VB	279.412,90	0,17
F25MKXXXU1	50XB	-	0,00
F25MKXXXU2	50XB	234.711,37	0,15
F25MKXXXU1	50YB	-	0,00
F25MKXXXU2	50YB	929.664,78	0,58
F25MKXXXU1	51AB	-	0,00
F25MKXXXU2	51AB	-	0,00
F25MKXXXU1	51DB	-	0,00
F25MKXXXU2	51DB	329.280,85	0,21
F25MKXXXU1	51XB	-	0,00

Division AD SA DENSE NATURAL	
Navigation	
Period/year	▲
Trdg Part.BA	·
Business Area	·
IndustOrigin	▼
<input type="button" value="←"/> <input type="button" value="×"/>	
Plant	QTV
Displayed in	1 VKG
◊50QB SCHM-US /CSX PHILAD	566.310,073
◊50TB SCHM-US /BONNEVILLE	1.569.860,511
◊50VB SCHM-US /CSX LOUISV	279.412,898
◊50XB SCHM-US /TRANSWOOD	234.711,372
◊50YB SCHM-US /RTR CONVEN	929.664,778
◊51DB SCHM-US /BULKMATIC	329.280,846

OBS: Usually there is a difference for 5S00 plant. Go to Profit center details of plant 5B00 and check the amount for PC F25MKXXX92

QTY TOTAL	159.990.750,28	100,00
CHEOPS CONTROL	166.169.245,28	
Diff. Check	- 6.178.495,00	check 5B00 by PC

OBS: We don't consider this PC for the cost center allocations
Is ok to proceed with this difference.

Division AD SA DENSE NATURAL	
Navigation	
Period/year	▲
Trdg Part.BA	·
Business Area	·
IndustOrigin	▼
<input type="button" value="←"/> <input type="button" value="×"/>	
Plant	5B00
Profit Center	QTV
Displayed in	1 VKG
◊CHEF/F25MKXXX92 725 MK 9997V	6.178.494,999
◊CHEF/F25MKXXXU2 725 MK 1009V	46.123.168,993
◆Total	52.301.663,992

Now, I need to update the cycle;

CYCLE: 6401RO

Cost center: 5S46100001

2 Segments: 5S461-C412 // 5S461-C402

CYCLE: 6401RO

Cost center: 5S46100002// 5S46100003 // 5S46100004

3.1.2.3 I check tab **TPT cost centers**

I update the pivot tables and verify if there is any check field with amount, if everything is correct any amount will reflect there.

Cost center Actual Balance

Allocation cycle - To update

C019400021 - Export Soda Ash

DIV	Cost Center	PLANT	Sum of Val.in rep.cur.	Profit Center	Plant	Balance CC	%	
AD	C019400021	52LB	209.292,20	AC				
AD	C019400021	54PB	170.649,98	AC				
AD	C019400021	5800	596.862,22	AC				
AD	C019400021	5835	17.077,52	AC				
Grand Total			993.881,92	AD	F25MKXXXU2	52LB	209.292,20	21,06
				AD	F25MKXXXU2	54PB	170.649,98	17,17
				AD	F25MKXXXU2	5800	596.862,22	60,05
				AD	F25MKXXXU2	5835	17.077,52	1,72
						993.881,92	100,00	
					<i>check</i>	-		

For some cost centers the allocation information will be sent by the controller Ross Dorsett through ticket with the subject 4290 Peroxide COPA Throughput allocations.

I can see which are those cost center by the information **Check Ross* file** on tab Tpt cost centers.

After that I need to update the cycle.

CYCLE: 4290TP and 6401TP

Cost center: All cost centers on this tab

Segments: The segments name are the same of cost center coding.

3.1.2.4 I check tab **Milage Credit TPT**

We receive the information from Leticia Souza. She sends the Fleet file with the information for TPT Assessments

Ticket subject: "6401 *Month* Year - Fleet Process Assessment"

Execute Actual Assessment: Initial Screen

Settings

Parameters

Period To
 Fiscal Year

Process with

Background Processing
 Test Run
 Detail Lists

Simulation Settings

Lock Segments for Test Run
 Show Executions in Schedule Manager

Cycle	Start Date	Text
4290RO	01.01.2020	Royalties
4290TP	01.01.2020	Fleet costs 4290

3.3. I execute KE28A

Execute actual distribution after the cycles are run

3.2.1. I run transaction KE28A in test mode.


Variant: KE28-4290

Flag: Execute Actual Distribution

Period: Closing Period

Operating Concern Slv ERP Operating concern

Top-Down Distributions

Variants 

Execution Type

Execute Actual Distribution

Parameters

<input checked="" type="radio"/> Period: Actual Data	<input type="text" value="0102019"/>	To	<input type="text" value="0102019"/>
<input type="radio"/> Period: Reference Data	<input type="text" value="0102019"/>	To	<input type="text" value="0102019"/>

Cumulate Periods of Reference Data

Use Periods According to Variant Definition

I need to run first in test mode

Processing Options

Test run



Background Processing

3.2.2. I Check the log




Transaction KE28L

Include the closing period and the KE28A variant as below:

Log: Top-Down Distribution

Variants

Variant	<input type="text"/>	to	<input type="text"/>	
Period/year	<input type="text" value="0102019"/>	to	<input type="text" value="0102019"/>	
KE28A Variant	<input type="text" value="KE28-4290"/>	to	<input type="text"/>	

Status

<input checked="" type="checkbox"/> Test Run	<input checked="" type="checkbox"/> Update Run	<input checked="" type="checkbox"/> Canceled
<input checked="" type="checkbox"/> Successful	<input checked="" type="checkbox"/> With Warnings	<input checked="" type="checkbox"/> Errors Found

Run;

Distribution Runs	Lin...	Re...	Ca...
<ul style="list-style-type: none"> Variant B4290AP2_01A - B type, VF AP2, Opt 1, part A <ul style="list-style-type: none"> Period 010.2019 <ul style="list-style-type: none"> 06.11.2019 (15:06:01) 06.11.2019 (15:07:17) 06.11.2019 (15:07:50) 06.11.2019 (15:16:22) Variant B4290AP2_01B - B type, VF AP2, Opt 1, part B <ul style="list-style-type: none"> Period 010.2019 <ul style="list-style-type: none"> 06.11.2019 (15:06:08) 06.11.2019 (15:07:20) 06.11.2019 (15:07:53) 06.11.2019 (15:16:26) 			

- test run
- update run
- cancel run
- processed with warning
- successfully

Warning messages

I need to verify on Log tab, Currency type 10;

Variant B4290AP2_01A 05.10.2020 20:52:18

Definition Log

Result Messages Techn. Data

Sender

Period	CTy	Crcy	RecordType	CoCode	COAr	Product	Plant	Reference Bases	Relevant for Distribution	Messages
009.2020	10	USD	B	4290	CHEF	60179	54CB		<input checked="" type="checkbox"/>	
009.2020	10	USD	B	4290	CHEF	202907	5B35		<input checked="" type="checkbox"/>	
009.2020	10	USD	B	4290	CHEF	65146	51LB		<input checked="" type="checkbox"/>	

I use transaction KE30 report ZZZ-SOLV00 to check if there is sales to those materials/plants;

Selection: IFRS Periods/Year

Attributes

Report selections

Currency type	10	Company code currency	
Company	4290	to	
Fiscal Year	2020	2020	
From Period	9		
To Period	9		
Plant	54CB	SCHM-US /NNR GL LOGIS.CARSON	
Customer		to	
Product	60179		

Run;

Is there is no QRU information, any distribution needs to be done;

IFRS Periods/Year

ZZZ-SOLV00 Company 4290

IFRS Periods/Year

From Period 9

To Period 9 Fiscal Year 2020

Company Code Multiple values

Product 60179 TRN SOLV S200 *GRM C

Navigation

GBU Company Code

Customer .

Division .

Distr. Channel ▾

P&L Lines	Period
VVQRU Qty report. Unit N8110	— 0,000

If I have no information of material, I can use the combination of Plant, Division and Profit Center:

Definition Log

Result Messages Techn. Data

Sender

Period	CTy	Crcy	RecordType	CoCode	COAr	Dv	Plant	Profit Center	Reference Bases	Relevant for Distribution	Messages
009.2020	10	USD	D	4290	CHEF	AO	5B38	F47ABBXXU2	<u> </u>	<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	51DB	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B37	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B07	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	A3	5B37	F47AKXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AD	54GB	F25MKXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B30	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B32	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B36	F47ABBXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AD	5B39	F25MKXXU2		<input checked="" type="checkbox"/>	
009.2020	10	USD	D	4290	CHEF	AO	5B24	F47ABBXXU2		<input checked="" type="checkbox"/>	

KE30;

Selection: IFRS Periods/Year

Attributes

Report selections

Currency type	10	Company code currency	
Company	4290	to	
Fiscal Year	2020		2020
From Period	9		September
To Period	9		September
Plant	5b38		SCHM-US /NNR GL LOGIS.CARSON
Customer		to	
Product			TRN SOLV S200 *GRM CS2000LB ...
Division	AO		
Distr. Channel			
Trading partner			
GBU			
Profit center	F47ABBXXU2	to	
BU (group of activ)			
Country		to	
Activity1(mkt)			

After check all variants, I can run it on real mode.

3.2.3. I run transaction KE28A on real mode.

First of all I need to check if the period is open;

Transaction: /FIN3/OKP1_BK - Maintain period lock (with CoCode)

Change Period Lock : Initial Screen

Actual	Lock all act.	Plan	Lock all plan
CO Area	CHEF	ERP SOLVAY	
Fiscal Year	2020		
Type of objects to select	Company Code		
Object to select	4290		
or group			
Version	0		

To open the period the current month should be unflagged;

Change Actual Period Lock : Edit

Lock Period	Lock Transaction	Unlock Period	Unlock Transaction													
CO Area	CHEF	ERP SOLVAY														
Fiscal Year	2020															
Type of objects to select	Company Code															
Object to select	4290	Display selection														
Group Name																
Period locks																
Transaction	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
CO-PA Top-Down Actuals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Now, Just go back to KE28A and unflagging the test option and run;

To be sure that the transaction ran to correctly, verify if there is the cancel option on KE28L for each variant as below:

Log: Top-Down Distribution

Technical Settings

Distribution Runs

Variant	Lin...	Re...	Cancel Run
Variant B4290AP2_O1A - B type, VF A			<input type="checkbox"/>
Period 009.2020			
05.10.2020 (20:52:18)			<input type="checkbox"/>
> Variant B4290AP2_O1B - B type, VF A			<input type="checkbox"/>
> Variant B4290AP2_O1C - B type, VF A			<input type="checkbox"/>
> Variant B4290AP2_O2A - B type, VF A			<input type="checkbox"/>
> Variant B4290AP2_O2B - B type, VF A			<input type="checkbox"/>
> Variant B4290AP2_O3A - B type, VF A			<input type="checkbox"/>
> Variant B4290AP2_O4A - B type, VF A			<input type="checkbox"/>
> Variant D4290AP2_O1A - D type, VF A			<input type="checkbox"/>
> Variant D4290C40_O1A - D type, VF C			<input type="checkbox"/>
> Variant D4290C41_O1A - D type, VF C			<input type="checkbox"/>
> Variant D4290C41_O1B - D type, VF C			<input type="checkbox"/>
> Variant D4290SFR_O1A - D type, VF S			<input type="checkbox"/>
> Variant D4290SFR_O1B - D type, VF S			<input type="checkbox"/>
> Variant D4290SLS_O1A - D type, VF S			<input type="checkbox"/>
> Variant D4290VTP_O1A - D type, VF V			<input type="checkbox"/>

3.2.4. I send the confirmation to controllers.

With everything finished, I send the confirmation to responsible evolved that the process was ran with template attached to all controllers from 4290;

End of document.