

I fill the template IAC 01.02

STEP 1

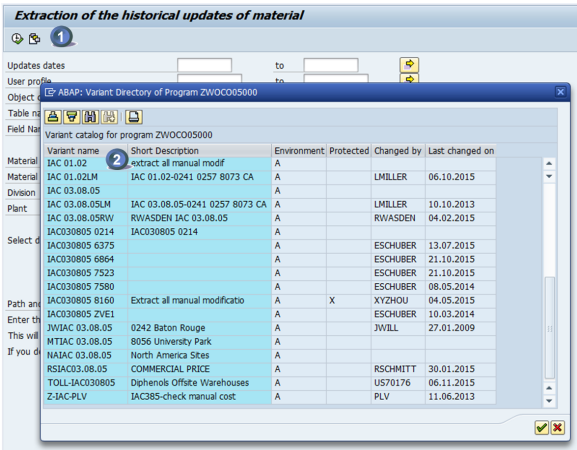
Start the transaction ZWOCO050

Select the Layout

1. Select Layout by clicking on



2. Click on IAC 01.02

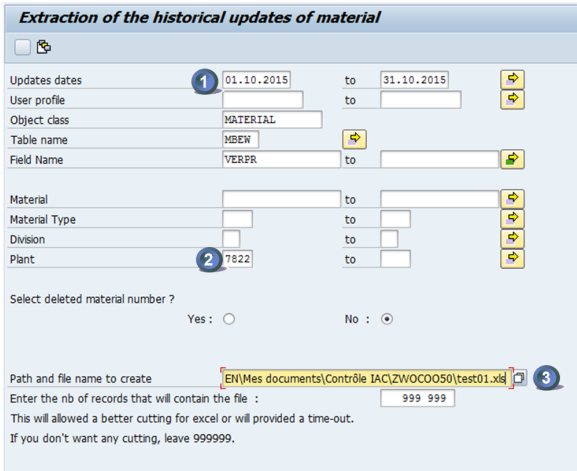


STEP 2

1. enter the period
2. enter a plant or a list of plants
3. click on  to enter the path & the file name

Confirm 4 tables codes in "Field Name"

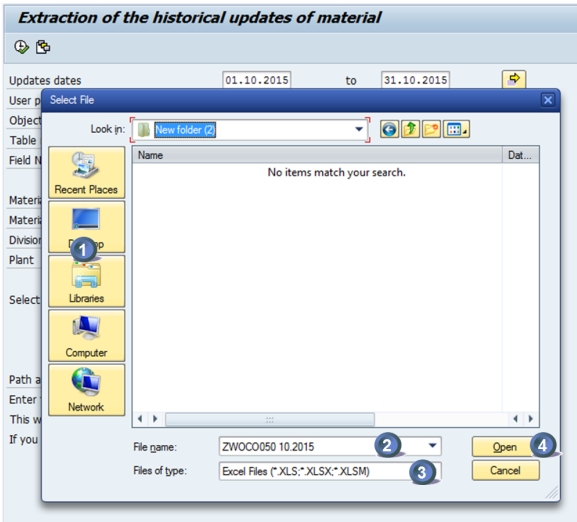
VERPR	BEPH1
BWPRH	VJBWH



STEP 3

Upload the file in excel

1. choose the folder where you want to save the file
2. enter the file name
3. Select "Excel files" in files of type



STEP 4

Execute



It may result in a long runtime

Extraction of the historical updates of material

1

Updates dates: 01.10.2015 to 31.10.2015

User profile: to

Object class: MATERIAL

Table name: MBEW

Field Name: VERPR to

Material: to

Material Type: to

Division: to

Plant: 7822 to

Select deleted material number ?
Yes : ☐ No : ☒

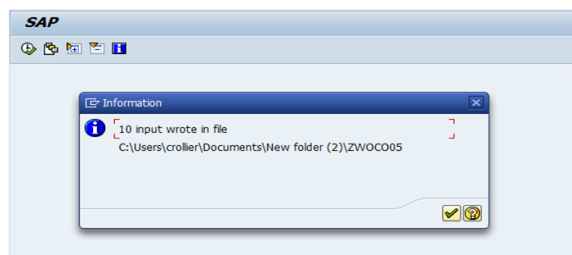
Path and file name to create: C:\Users\croller\Documents\New folder (2)\ZWOC0050

Enter the nb of records that will contain the file : 999 999

This will allowed a better cutting for excel or will provided a time-out.
If you don't want any cutting, leave 999999.

STEP 5

There is an information message that informs that inputs were written in the file



STEP 7

The report was saved in excel

Each line of the file has to be justified with the following reason code :

1. Co-product /Sold waste /Recycled material
2. Integrated FIFO
3. Wrong Material file purchase info
4. Erroneous reception
5. Other (detailed explanation to be provided)

Save the file

Example

Material 64569 Blocs exutoire vrac was modified on July, 2nd

The old value was 550 € / T, the new value is 650 € / T

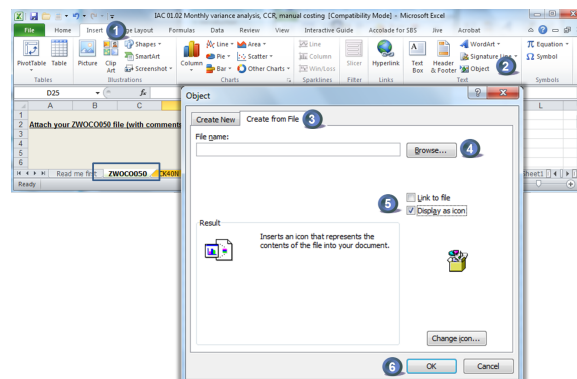
This material is a waste, that's the reason why it has a commercial price. The reason code that corresponds to this modification is the first one : 1-Co-product /Sold waste/Recycled material.

Material nb	Description	Material type	Plant	Table name	Field code	Field name	update date	Old value	New value
64569	BLOCS EXUTOIRE VRAC	MAT	7822	MBEW	BWPRPR	Valuation price based on commercial law level 1	02.07.2009	550.00	650.00

STEP 8

Insert the file ZWOC0050 in the file IAC 01.02 of the month

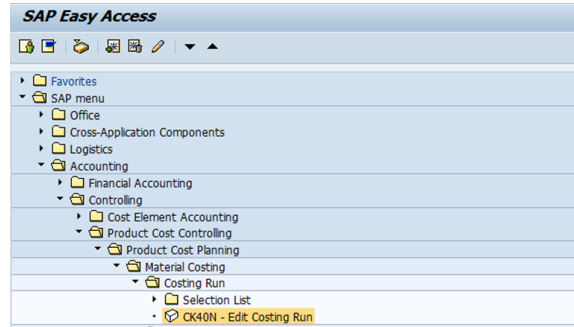
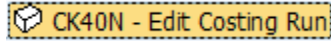
1. Select "insert"
2. Click on "Object"
3. Select "Create from File"
4. Click on "Browse" and select the file
5. Check "Display as icon"
6. Click on OK



STEP 1

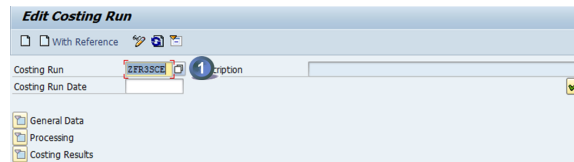
Start the transaction using the menu path or transaction code CK40N

Double-click



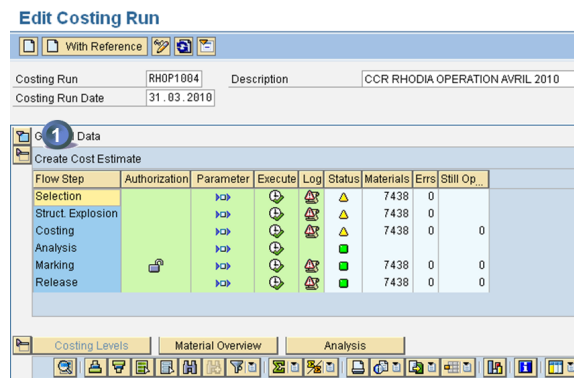
STEP 2

1. enter the costing run of the month and



STEP 3

1. **Expand**



STEP 4

i All error messages must be cleared

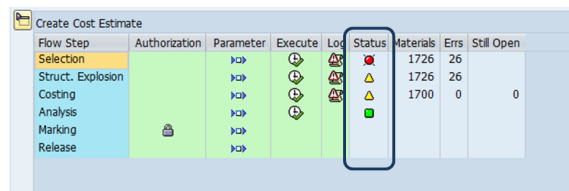
When there is a warning message, it often happens that there is a mistake in the costing. So even if it is not compulsory, it is recommended to check the warning messages and try to correct it.

Note: Sometimes, despite not having any error, some materials remain in column "Still Open". This is related with a technical issue linked to the mixed-costing materials. In order to correct the display table it's necessary to execute transaction CKSU.

STEP 1

WP1 + PF1

When there are error  or warning  messages, you must click on  to analyse and clear them



STEP 2

WP1 + PF1



Click on to have the list of messages

Costing Run: Selection - Log

Message log created on 26.12.2011

Number of Messages Collected	
Information Messages	1
Warning Messages	72
Error Messages	26
Termination Messages	0
Total	99

STEP 3

WP1 + PF1

1 - Type of message



Error messages, must be cleared



Warning messages, must be analysed and cleared as much as possible



Information messages

2 - Message code

3 - Plant code

4 - Material code

5 - Message description

Costing Run: Selection - Log

Log created on 26.12.2011

Excep...	M...	M...	Plant	Material	E...	A...	Message Text
000	W	128	7811	32787	1	CK	Material 32787 in plant 7811 has no accounting data
000	W			77069	1	CK	Material 77069 in plant 7811 has no accounting data
000	W			115117	1	CK	Material 115117 in plant 7811 has no accounting data
000	W		7818	49739	1	CK	Material 49739 in plant 7818 has no accounting data
000	W		7819	110142	1	CK	Material 110142 in plant 7819 has no accounting data
000	I	172	7787	1615996	1	CK	Material 1615996 in plant 7787: No cost est. exists -> ra...
000	E	310	7714	68858	1	CK	Material 68858 is marked for deletion
000	E			19398	1	CK	Material 19398 is marked for deletion
000	E			40928	1	CK	Material 40928 is marked for deletion
000	E			50775	1	CK	Material 50775 is marked for deletion
000	E			66785	1	CK	Material 66785 is marked for deletion
000	E			101132	1	CK	Material 101132 is marked for deletion
000	E			101628	1	CK	Material 101628 is marked for deletion
000	E		7779	66785	1	CK	Material 66785 is marked for deletion

STEP 4

WP1 + PF1

You can double-click on a message to have a more detailed description of the issue

Performance Assistant

Material 68858 is marked for deletion

Message no. CK310

Diagnosis

Material 68858 was flagged for deletion internally. To delete this deletion flag, you have to change the indicator in the material master record.
[Change material master record](#)



CK060 - Object was not costed

CK249 - Cost component split for material not saved

CK310 - Material is marked for deletion

CK380 - No valid source of supply could be found

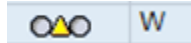
CK468 - No price could be determined for subcontracting

CK023 - No control record for Activity type CHEF/X332900700/ZZANO2 in version 000 / 2017 activity planning/qty planning

CK354 - Material XXXX in plant YYY has material status Z4 : Material deleted

CK430 - Missing formula in work center xxxxx

CK862 - Material XXX in plant XXX does not contain any segment for in-house production



CK053 - Deletion indicator set in material - plant

CK054 - Deletion indicator set in material - valuation area

CK080 - Material plant : BOM not active

CK082 - Material plant: no suitable BOM found

CK128 - Material in plant has no accounting data.

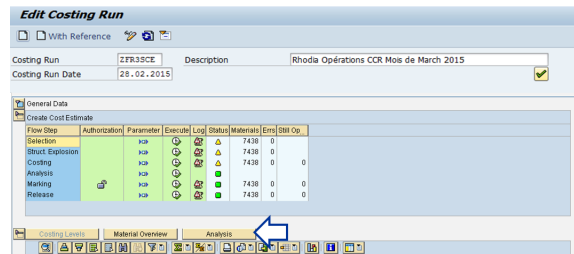
CK382 - Material does not exist in withdrawal plant

CK858 - No suitable or valid production version

STEP 5

When errors are corrected and warning messages checked, costing analysis can begin. Click on

Analysis



STEP 6

Select the variant. In this example, we are using the variant /IAC0102

Costing Levels

Material Overview

Analysis

Analysis

Material	Material Description	Plant	Lot Size	per	Unit	%Var.	costi
110995	POLYCARE 400 25 KG DRUM	7360	1.000	1.000	KG		
119855	RHODIASOLV IRIS 1000KG IBC		1.000	1.000	KG		
120258	RHODIASOLV IRIS BULK		1.000	1.000	KG		
129460	RHODIASOLV RPDE NA BULK		1.000	1.000	KG		
		7360					
10005	RHODOPAS DS 910 BULK	7379	1.000	1.000	KG		
10000	RHODOPAS DS 1000 BULK		1.000	1.000	KG		

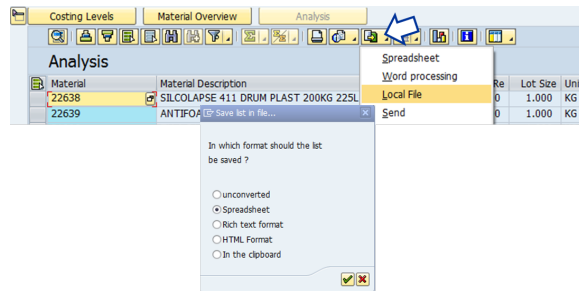
STEP 7

Filter the plant you are responsible for

Costing Levels		Material Overview		Analysis	
					
Analysis					
	Material	Material Description	Plant	Lot Size	per Unit %Va
	22638	SILCOLAPSE 411 DRUM PLAST 200KG 22SL	7822	1.000	1.000 KG
	22639	ANTIFOAM A FUT PLAST CUB 200KG DM		1.000	1.000 KG
	31948	TY B 50H1 BLACK LBO 0129 25KG PB/A		1.000	1.000 KG
	33082	TY C 216 V40 BLACK Z OCT 1 TO (811)/E		1.000	1.000 KG
	34808	TY A 217 BLACK 1N 25KG PB (605)/E		1.000	1.000 KG
	34832	TY A 218 S30 BLACK 21N 25KG PB (605)/E		1.000	1.000 KG

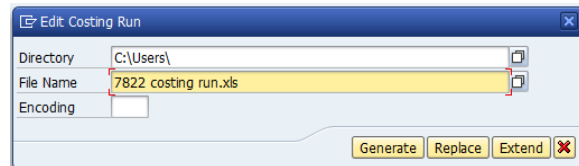
STEP 8

Save in excel : local file => spreadsheet



STEP 9

Enter the directory & the file name and generate the file



STEP 10

i All variances above a defined threshold must be commented. The threshold is defined by the FRA :

- Unit cost variance %
- Inventory revaluation value.

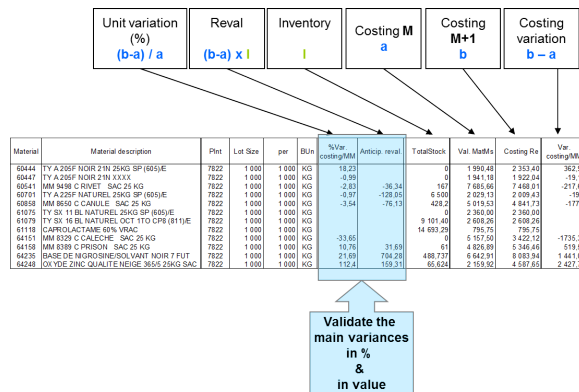
If the threshold is above +/- 10% at unit cost level or +/- 50 k€ at item inventory revaluation level should be authorized by RCOM.

Open the file

If:

- the unit variation is > 10% (or local threshold)
- or Anticipated reval is > 50 kEUR (or local threshold),

a deeper analysis is requested



In this example, the costing of the following materials 60444, 64151, 64158, 64235, 64248 have to be checked and validated

as the variance is above 10% or/and the revaluation above 50 k€

Material	Material description	Pmt	Lot Size	per	BU	%Var costing/MM	Anticip. reval	TotalStock	Val. MatMts	Costing Re	Var. costing/MM
60444	TY A 206F NOIR 21N 25KG SP (805)E	7822	1 000	1 000	KG	18.23	> 10 %	0	1 990.48	2 353.40	362.92
60447	TY A 206F NOIR 21N XXXX	7822	1 000	1 000	KG	-0.99		0	1 941.18	1 922.04	-19.14
60441	MM 8498 C RIVET SAC 25 KG	7822	1 000	1 000	KG	-2.83	-36.34	167	7 685.66	7 488.01	-217.65
60701	TY A 225F NATUREL 25KG SP (805)E	7822	1 000	1 000	KG	-4.97	-128.05	6 600	2 029.13	2 009.43	-19.7
60858	MM 8650 C CANULE SAC 25 KG	7822	1 000	1 000	KG	-3.54	-76.13	428.2	5 019.53	4 841.73	-177.8
61075	TY SX 11 BL NATUREL 25KG SP (805)E	7822	1 000	1 000	KG			9 101.40	2 608.26	2 608.26	
61079	TY SX 16 BL NATUREL OCT 110 CP8 (811)E	7822	1 000	1 000	KG			14 993.29	795.75	795.75	
64151	MM 8328 C CALECHE SAC 25 KG	7822	1 000	1 000	KG	-32.63		0	5 157.60	3 422.12	-1735.38
64158	MM 8398 C PRISON SAC 25 KG	7822	1 000	1 000	KG	10.76	31.69	61	4 826.89	5 346.46	519.57
64235	BASE DE NIGROSINE/SOLVANT NOIR 7 FUT	7822	1 000	1 000	KG	21.08	786.29	488.737	6 642.91	9 893.34	1 441.03
64248	OXYDE ZINC QUALITE NEIGE 380/5 25KG SAC	7822	1 000	1 000	KG	112.4	109.31	66.624	2 159.92	4 687.65	2 427.73

STEP 1

Ex : 64235 BASE DE NIGROSINE /SOLVANT NOIR 7 FUT

The MAP increased from 6 643 € to 8 083 €

- We have to validate the MAP (Moving Average Price) by checking purchase orders of the month.
- It can also help to check the purchase variance of this

MAP end M-1	MAP end M
6 643 €	8 083 €



+ 1 441 €
+ 21,69 %

The screenshot shows the 'Selection Criteria' section of the SAP Purchase Order Item Overview. It lists various criteria used to filter purchase orders:

- Material:** 64235
- Plant:** 7822
- Purchasing organization:**
- Scope of list:** BEST
- Selection parameters:**
- Document type:**
- Purchasing group:**
- Item category:**
- Account assignment category:**
- Delivery date:** 01.03.2010

Each criterion has a corresponding input field and a search icon (magnifying glass). The 'Material' and 'Plant' fields are highlighted with blue circles and numbers 1 and 2 respectively.

PO	Type	Vendor	Name	Pgp	Order	Date
Item	Material		Short Text			Mat. Group
D I A	Pint	SLoc	Order Qty	Un	Net Price	Curr. per Un
45011425	7822	FR59	IMCD FRANCE SAS			FKM 17.03.2010
00010	64235		BASE DE NIGROSINE/SOLVANT NOIR 7 FUT			0451
			80 KG	16,55	EUR	1 KG
	Still to be delivered		0 KG	0,00	EUR	0,00 %
	Still to be invoiced		0 KG	0,00	EUR	0,00 %
00020	64235		BASE DE NIGROSINE/SOLVANT NOIR 7 FUT			0451
			20 KG	16,55	EUR	1 KG
	Still to be delivered		0 KG	0,00	EUR	0,00 %
	Still to be invoiced		0 KG	0,00	EUR	0,00 %

Standard PO 4501142662 Created by Chan-Moly OEUR

Document Overview On Print Preview Messages Personal Setting

Standard PO # 4501142662 Vendor 53352 BMCD FRANCE SAS Doc. date 17.03.2010

Header

Qty	U	M	A	Material	Short Text	PO Quantity	U	Del. Date	Net Price	Customer	Per	Q	Matl Group	Ph	
10				64235	BASE DE NIGROSINE/SO.	80 KG		23.03.2010	16,55 EUR	1			KG	CHM PROD.	ZF5
20				64235	BASE DE NIGROSINE/SO.	20 KG		06.04.2010	16,55 EUR	1			KG	CHM PROD.	ZF5

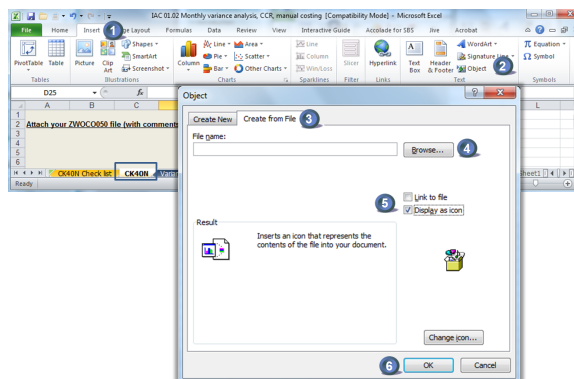
[illegible]
$$= 1\,324 \text{ €} / 80 \text{ kg}$$
$$= 16,55 \text{ € / kg}$$

If there is a mistake in the calculation of the new MAP due to an error in the purchase order, invoice price etc:

- ## STEP 11

When the analysis is completed, insert the file with your comments in the file IAC 01.02 of the month (sheet "CK40N").

1. Select "insert"
2. Click on "Object"
3. Select "Create from File"
4. Click on "Browse" and select the file
5. Check "Display as icon"
6. Click on OK



Once the CK40N analysis was completed, fill the checklist to confirm that all tasks have been properly performed

1. enter your site, name, date & period
2. enter the status of the task
3. when a task has not been performed, it is compulsory to comment
4. integrated FIFO is only applicable in limited cases

Site	
FRA's name	
Date	
Period	
1	



Standard Cost Calculation Check-List / FRA				
IAC 01.02				
N°	Control description	Done ? Yes / No / N/A	Comments (compulsory for No and N/A)	Control Evidence (optional)
1	Messages analysis			
1a	Error messages in CK40N are checked and corrected (red squares)	No	3	
1b	Varying messages are analyzed (yellow triangles)	Yes		
2	Excel analysis : all variances above threshold are analyzed	Yes		
3	If applicable, valid legal entity integrated FIFO is used	N/A	4	
4	Control evidences are posted in the IAC eroom			
4a	Excel file with variance analysis & comments	Yes		
4b	Check-list	Yes		

The variance is the difference between the expected standard cost and the actual cost incurred. Variance analysis involves breaking down the total variance to explain how much of it is caused by usage of resources being different from the standard and how much of it is caused by the price of resources being different from the standard.

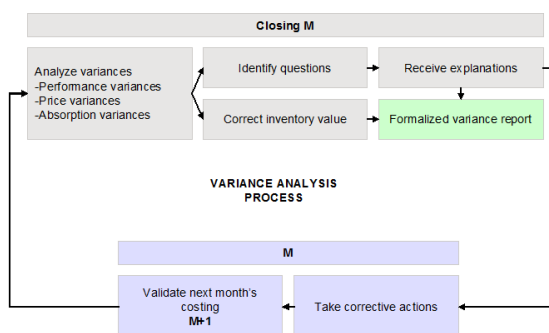
Each site controller has the responsibility to analyze each month the variance and to explain this variance in order to :

- Understand the reasons
- Initiate corrective actions
- If needed adjust the inventory value and change the semi-standard way of calculation, depending on the origin of the variance.

This process of analysis, whatever the result be a change of costing or not, must be formalized, and archived as a justification of records based on following sheets :

Variance Template / Perf. analysis / Revaluation / CC variance / IAC 01.09

Open the sheet "Variance Template"



Order	Mat	Material description	Origin	± Actual Qty	± Tgt Qty	SCE	Item UM	± FC Var	± DEP Var	± Pdv Var	± Piv Var
208455	53789	TY A 218 V30 BLACK 34ND 3000	7822-1133 AMO	17,900	0,000	H		0,00	376,83	B332	A413
	53789	TY A 218 V30 BLACK 34ND 3000	7822-1133 CNP	17,900	0,000	H		3 620,24	0,00	B332	A413
	53789	TY A 218 V30 BLACK 34ND 3000	7822-1133 MANHO	17,900	0,000	H		2 665,67	0,00	B332	A413
	53789	TY A 218 V30 BLACK 34ND 3000	7822-1141 AMO	0,000	18,239	H		0,00	385,40	B332	A413
	53789	TY A 218 V30 BLACK 34ND 3000	7822-1141 CNP	0,000	18,239	H		3 719,52	0,00	B332	A413
	53789	TY A 218 V30 BLACK 34ND 3000	7822-1141 MANHO	0,000	18,239	H		2 805,63	0,00	B332	A413
208489				± 53,790	± 54,217	H		± 239,24	± 8,57		

b. yield: RM consumption is higher or lower than std quantity

How to read this variance ?

- The actual time (96 h) to produce material 64712 PA 66 MOLTEN POLYMER is higher than the standard time (84,261h)
- It creates the following variance on process order :

Order	Mat	Material description	Origin	± Actual Qty	± Tgt Qty	Item	± FC Var	± DEP Var	± Pdv Var	± Piv Var
208028	64712	PA 66 MOLTEN POLYMER	7822-1304 AMO	96,000	84,261	H	0,00	284,50	PC41	PC41
	64712	PA 66 MOLTEN POLYMER	7822-1304 CNP	96,000	84,261	H	1 686,32	0,00	PC41	PC41
	64712	PA 66 MOLTEN POLYMER	7822-1304 MANHO	96,000	84,261	H	497,75	0,00	PC41	PC41
208086				± 288,000	± 252,783	H	± 2 164,07	± 264,50		

	Actual hours	Standard hourly rate	Actual costs	Std hours	Standard hourly rate	Standard costs	Variances
MANHO	17,90	148,52	2 665,67	18,24	153,83	2 805,63	-139,96
CNP	17,90	202,25	3 620,24	18,24	203,93	3 719,52	-99,28
E05 FC ProcessO Var			6 285,91			6 525,15	239,24
AMO	17,90	21,05	376,83	18,24	21,13	385,40	-8,57
F05 DEP ProcessO Var			376,83			385,40	-8,57

c. purchased vs produced: material is purchased instead of produced or vice & versa

How to read this variance ?

- Material 63324 is supposed to be produced but it was purchased
- As it is purchased, the production cost = 100 % CP while in the costing the production cost is splitted into CP / CNP / AMO

Order	Mat	Material description	Origin	± Actual Qty	± Tgt Qty	Item	± FC Var	± DEP Var	± Pdv Var	± Piv Var
2084538	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	63324	8 000	8 000	KG	2 863,94	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1050003	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1050009	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1050012	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1050019	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1050023	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	1060594	0	8,960	PC	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	62575	0	8 000	KG	8 836,34	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E					0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	7822-1008 Uelec	0	0,256	MWH	0,00	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	7822-1180 AMO	0,000	5,336	H	0,00	59,65		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	7822-1180 CNP	0,000	5,336	H	155,15	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	7822-1180 MANHO	0,000	5,336	H	0,34	0,00		
	63324	SB 27 AE 1 F (EX 27/A-00 MS) NAT (811)E	SETLEMENT				0,00	0,00		
20845				± 0,000	± 16,008	H	± 6 127,89	± 59,65		

d. subcontractor: Material is produced by a subcontractor instead of an internal production

How to read this variance ?

- Same principle as the previous variance
- When a material is produced by a subcontractor instead of an internal production

e. others: to be commented

	YTD	Comments	Action
STEP 5			
D00 VC Variable Cost			
Others (D01+D55+D60+D70+D80)			
Std VC + Others			
1.Perf variance (D05)			
a. structure			
b. yield			
c. purchased vs produced			
d. subcontractor			
e. others			
2.Variance / CC (D45)			
a. utilities			
b. subcontractor			
c. others			
3.Revaluation (D50+D52)			
4.Purchase variance (D47)			
VC on MP Sales			
STEP 6			

Fill in those information in « variance template » tab

When there are recurring performance variances, they can be listed in the sheet "Perf. analysis"

Performance variance analysis

a1. Structure: Recurring cases of production line change
Please describe for your site

a2. Structure: Recurring cases of switch between Raw material / Recycling
Please describe for your site

b. Yield: Productivity variance
Standard analysis based on ZNPP40A

c. Purchased vs produced: Material purchased instead of produced
Please describe for your site

d. Subcontractor variance
Please describe for your site

e. Others
Please describe for your site

STEP 1

Use the transaction **KE30** and choose the report **ZZZ-SOLV01**

Run Profitability Report: Initial Screen

Report Description

- Report
 - ZZZ-IFRS00 IFRS Periods
 - ZZZ-IFRS01 Per operation type
 - ZZZ-IFRS02 Variance Others
 - ZZZ-IFRS03 Quarter/Year
 - ZZZ-IFRS04 Month/Year
 - ZZZ-IFRS05 Do not use anymore
 - ZZZ-IFRS07 P&L Production variance New
 - ZZZ-SOLAUD L2015 - Audit
 - ZZZ-SOLV00 IFRS Periods/Year
 - ZZZ-SOLV01 Per operation type**
 - ZZZ-SOLV04 Month/Year
 - ZZZ-SOLVFC L2015 - Income Statement
 - ZZZ-SOLVFCMT L2015 - Income Statement / M

Enter

1. the reporting currency = 10
2. the period
3. the company code
4. the plant code
5. the IECRA (when applicable)
6. select : "Classic drilldown report"

Selection: Per operation type

Attributes

Report selections

Reporting Currency 10

Fiscal year 2015

From period 10

To period 10

Company Code 6526

Plant 8160

Customer

Product

Division

Distr. Channel

Trading Partner

Enterprise

Product line 00

Iecra

From Profit Center

To Profit Center

Output type

☐ Graphical report output

☒ Classic drilldown report

☐ Object list (more than one lead column)

STEP 2

To have the detail of the value field **D45 VC CC Variance** => click on the amount, right click and select "Line items" or click F9

ZZZ-SOLV01 6526 Rhodia Feixiang Spec 26.03.2013

Per operation type 1

2013 Not assigned

Company Code 6526 Rhodia Feixiang Spec

Navigation

Customers

Product

Division

Distr. Channel

F9

Pal Lines	SD	FI	cm	Order	SI	Cost Center	Customer
Total standard VC	84,558,871.08	0.00	0.00				
D01 VC Duty Var	0.00	0.00	0.00				
D05 VC Processo Var	0.00	0.00	2,483,315.84				
D45 VC CC Variance	0.00	0.00	1,638.66				
D47 CP Co/TO30	0.00	1,007,399.41	0.00				
D50 VC PC Reval Var	0.00	13,940,406.08	0.00				
D52 CP Rev.CCB TO30	0.00	10,658,044.14	0.00				
D55 VC Free 1	0.00	0.00	0.00				
D60 VC Free 2	0.00	0.00	0.00				
D70 Neutral.VC/marg	0.00	0.00	0.00				
D80 AC margin	0.00	0.00	0.00				
VC Variance	0.00	2,273,323.87	2,483,315.84				
VC on NP Sales	84,558,871.08	2,273,323.87	2,483,315.84				

Adapt report width Enter

Help F1

Choose F2

Back F3

Possible Entries F4

Report parameters F5

2D graphic column F7

Line items F9

Cancel F12

Exit Shift+F3

Customer Shift+F4

STEP 3

Use the lay out **/D45 CC VAR** to have the variance by cost center

Display Actual Line Items: List

Company Code6526
Fiscal Year2013
CO Area2026
Currency type10
Period
Plan/Act. Indicator0
Record Type
Period/year002.2013
Number of line items257
Mode of accessRead acc. to current structure
Op. concern currencyUSD

Choose layout

Layout settingAll

Layout

/D45 CC VAR

D45 CC variance analysis

/D47/D45

Inds D47 and D45 D847

/DIPH SG&A

/E01

E01

/EC DEP

/EC DEPPERIO

Period fixed cost and depreciation

/EPA

All EPA lines

/GMDATA

Data for Gross Margin

/GOLDEN TAX

golden tax

Currency	Sender cost center	D45 VC CC Variance
CNY	6526-9201	2,39-
CNY	8160-1050	578 119,71
CNY	8160-1051	282 321,47
CNY	8160-1052	9 204,15-
CNY	8160-1053	127 524,10
CNY	8160-1054	7 515,07-
CNY	8160-1055	441 620,78-
CNY	8160-1056	10 999,99
CNY	8160-7000	28 483,77
CNY	8160-7008	466 330,78
CNY	8160-7040	74 889,90
CNY		1 110 327,33

To have the detail of the cost centers, you can use the transaction **S_ALR_87013611**

Enter :

- 1. the controlling area
- 2. the period
- 3. the list of cost centers you want to analyse

Cost Centers: Actual/Plan/Variance: Selection

Data Source...

Selection values

Controlling Area

2026

1

Fiscal Year

2015

From Period

10

2

To Period

10

Plan Version

0

Selection groups

Cost Center Group

Or value(s)

8160-1050

to

3

Cost Element Group

Or value(s)

to

Double click on the amount you want to analyse

Cost Centers: Actual/Plan/Variance Date: 25.11.2015 Page: 2 / 2

Cost Center/Group: 8160-7000 Purchase Costs Var Column: 1 / 2

Person responsible: 50014824

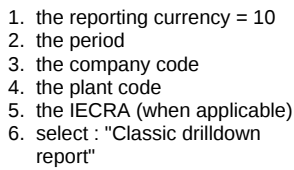
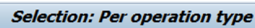
Reporting period: 10 to 10 2015

Cost Elements	Act. Costs	Plan Costs	Var. (Abs.)	Var. (%)
98150890 VC FREIGHT ON RM	28 483,77		28 483,77	
* Debit	28 483,77		28 483,77	
99429900 PA-AS CP	28 483,77-		28 483,77-	
* Credit	28 483,77-		28 483,77-	
** Over/Underabsorption				

Fill you the variance template with your analysis

	YTD	Comments	Action
D00 VC Variable Cost			
Others (D01+D55+D60+D70+D80)			
Std VC + Others			
1.Perf variance (D05)			
a. structure			
b. yield			
c. purchased vs produced			
d. subcontractor			
e. others			
2.Variance / CC (D45)			
a. utilities			
b. subcontractor			
c. others			
3.Revaluation (D50+D52)			
4.Purchase variance (D47)			
VC on MP Sales			

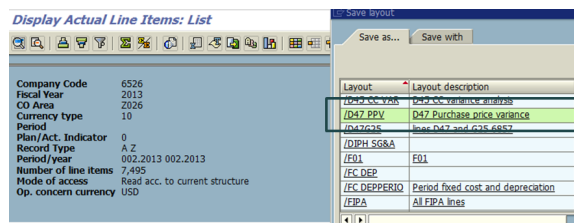
Use the transaction **KE30** and choose the report **ZZZ-SOLV01**



To have the detail of the value field D47 Ec/T030 => click on the amount, right click and select "Line items" or click F9

[illegible]

Use the lay out **/D47 PPV** to have the variance by material code



Product		D47 CP Ec/T030
128730		118,48
128738		8 958,14-
128746		139 256,44
128747		160 507,75
128750		8 030,52
128751		52 574,80
128760		49 182,45
128763		84 364,24
128764		43 254,41-
128769		655,67
128772		0,18
128773		20 245,17

STEP 4

Explain the main variances

Display the standard costing of the material with CK13N.

Enter :

1. The material & plant code
2. The costing variant
3. The validity date

Enter ↵

and

The standard cost of the material code 128715 is

18 099,12 CNY / 1 000 kg

Display Material Cost Estimate with Quantity Structure

Material: 128715 1
Plant: 8160

Costing Data

Costing Variant: zfo 2
Costing Version: 1
Valid On: 01.10.2015 3

Cost Estimates

Material: 128715 DECYL ACID BU
Plant: 8160

Costing Data Dates Qty Struct. Valuation History Costs

Costs Based On: Costing Lot Size 1 000 KG

Itemization for material 128715 in plant 8160

Item	Resource	Resource (Text)	Quantity	Un	Σ	Total Value	COCr
1	8160 128715	DECYL ACID BU	1 000	KG		18 099,12	CNY
Material						18 099,12 CNY	
						18 099,12 CNY	

STEP 5

Display the actual purchase price of the same material with the transaction MB51.

Enter:

1. the material code
2. the plant code
3. the movement type = **101 to 102**
4. posting date = 1 month

Material Document List

Item Data

Material: 128715 1 to
Plant: 8160 2 to
Storage Location: to
Batch: to
Vendor: to
Customer: to
Movement Type: 101 3 to 102
Special Stock: to
Purchase Order: to
Sales Order: to
Sales order item: to
Goods recipient: to

Header Data

Posting Date: 01.10.2015 4 to 31.10.2015
User name: to
Trans./Event Type: to
Material Document: to
Reference: to

STEP 6

- a** - Quantity purchased
- b** - Purchase price
- c** - Delivery costs
- d** - TOTAL costs = **b** + **c**
- e** - Actual unit price = **d** / **a**
- f** - Standard cost (from CK13N)
- h** - Purchase price var = (**f** - **e**) / **a**

[illegible]

Item [10] 126715 - CYL CAD BU																	
Material Data		Quantities/Weights		Delivery Schedule		Delivery		Invoice									
								Conditions									
Purchase Order History																	
Sg. Text*	Mst. Posting Date	Material Document	Item	Entry Date	Delivery cost quantity	Quantity	Amount in LC										
DGR	10.10.2015	5017504920	-	10.10.2015	39 420	0	8 806,56										
Tr./Inv. Delivery costs					39 420	0	8 806,56										
Subtotal	10.10.2015	5017504920	-	10.10.2015	0	39 420	625 318,47										
Tr./Inv. Goods receipt					0	39 420	625 318,47										

Purchase orders	4502561849	
Purch qty	39.420,00	KG a
Purchase price	625.318,47	CNY b
Delivery costs	5.806,56	CNY c
TOTAL costs	631.125,03	CNY
Actual unit price	16.010,27	CNY / Ton
Standard cost	18.099,12	CNY / Ton
Purchase price var	82.342,28	CNY

$$\text{Revaluation} = [\text{Standard cost (M)} - \text{Standard cost (M-1)}] \times \text{Quantity 01/01/M (00h00)}$$

The analysis is performed with the report ZWPP40A

There is a revaluation of fixed costs when:

- there is a modification of the production process
- in January with the new standard hourly rate

STEP 1

- Copy the result of the sheet "2d-Activity TOTAL" and paste the result in the tab "IAC 01.09"

Plant costs	7212	IAC 01.09					
Plant location	227						
Plant size	227						
Plant type	227						
Summary	227						
Total - Do not change							
Cost centers	Description	Normal capacity cost	7975-1000	7975-1001			
	Depreciation	6,614,000	6,557,125	587,105			
	Utilities	12,575,760	11,099,775	1,254,006			
	Laboratory material costs	0	0	0			
	Material	3,965,770	3,965,770	740,498			
	Other DM	10,839,400	10,839,400	0			
BUDGET vs. ACT	MAIND	21,383,781	21,099,775	1,254,006			
	MAIND	21,383,781	21,099,775	1,254,006			
NONE	MAIND	52,145	52,145	4,984			
	MAIND	52,145	52,145	4,984			
BUDGET vs. CEN	MAIND	200	85	0			
	MAIND	437	345	214			

2c-Activity

2d-Activity TOTAL

Navigation icons: back, forward, search, etc.

Plant code			7971
Plant name			
Year			
IAC 01.02			
Description	Normal rate CHF		
Depreciation	6.524.666	6.537.163	357.705
Labor costs and Maintenance	12.353.781	11.099.775	1.254.006
Other CHF	3.962.733	3.222.235	742.498
	10.835.400	10.835.400	
AKSO	6.524.666	6.537.163	357.705
MAOCH	14.795.133	14.057.818	742.498
	12.353.781	11.099.775	1.254.006
AKSO		32.145	6.584
MAOCH		32.145	6.584
MAOCH		32.145	6.584
AKSO		203	85
MAOCH		437	185
MAOCH		345	274
IAC 01.09			

STEP 2

Update the sheet "CC variance" and enter:

- the list of production cost centers
- the column "normal capacity (year)"
- the column "Budget (month)"
- usually it is equal to the column "Normal capacity (month)"
- the column "standard capacity (h) (year)"

IAC 01.09		Normal capacity CNY		7971-1000	7971-1001
BUDGET IN CNY	AMO	6,924,868	6,537,163	387,705	
	MACHI	14,789,133	14,057,635	740,498	
	MANHO	12,553,781	11,099,775	1,254,006	
HOURS	AMO		32,145	4,584	
	MACHI		32,145	4,584	
	MANHO		7,145	4,584	

CC variance		E01 FC Period	Normal capacity (year)	Normal capacity (month)	Budget (month)	Actual hours	Standard capacity (h) (year)	Standard capacity (h) (month)
CNP	7971-1000	Componding	0	16,057,635	1,171,470	1,024,320	32,145	2,679
	7971-1001	Packaging	0	740,498	617,008	617,008	4,584	382
	TOTAL MACHI		0	16,798,133	1,233,178	1,233,178	0	3,061
	7971-1000	Componding	0	11,099,775	924,981	924,981	32,145	2,679
	7971-1001	Packaging	0	1,254,006	104,500	104,500	4,584	382
	TOTAL MANHO	0	12,553,781	1,029,482	1,029,482	0	0	3,061
	TOTAL CNP	0	27,819,94	2,262,659	2,262,659			

Code	Description	D90 DE Period	Normal capacity (year)	Normal capacity (month)	Budget (month)	Actual hours	Standard capacity (h) (year)	Standard capacity (h) (month)
Amo	7971-1000	Componding	6,537,163	544,764	544,764	0	32,145	2,679
	7971-1001	Packaging	387,705	32,309	32,309	0	4,584	382
	TOTAL AMO	0	6,924,868	577,072	577,072	0	0	3,061
	TOTAL AMO	0	6,924,868	577,072	577,072			

STEP 3

Each month, you have to update the actual costs & hours.

The price variance & the absorption variance will be automatically calculated

Cost centers		EST FC Period	Normal capacity (rate)	Normal capacity (hours)	Budget (monthly)	Actual hours	Standard capacity (h) (rate)	Standard capacity (h) (hours)	A price variance	B observation variance	EST + ESO Total CC variance	EST FC allocation
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
CNC	PERF-XXX Prod-CC1		0	0	0	0	0	0	0	0	0	0
	PERF-XXX Prod-CC2		0	0	0	0	0	0	0	0	0	0
	PERF-XXX Prod-CC3		0	0	0	0	0	0	0	0	0	0
	PERF-XXX Prod-CC4		0	0	0	0	0	0	0	0	0	0
	PERF-XXX Prod-CC5		0	0	0	0	0	0	0	0	0	0
	PERF-XXX Prod-CC6		0	0	0	0	0	0	0	0	0	0
	TOTAL		0	0	0	0	0	0	0	0	0	0
	MACH1		0	0	0	0	0	0	0	0	0	0

CO-PA

IAC
01.09

(2) / 12

Budget

Actual hours

IAC
01.09

(6) / 12

=

(1) - (4)

=

- [(5) - (7)]
x (3) / (7)
+ [(4) - (3)]

=

(8) + (9)

CO-PA

STEP 4

For the monthly update use the transaction S_ALR_87013611

Enter

1. the controlling area
2. the period
3. the group of production cost centers

Cost Centers: Actual/Plan/Variance: Selection

🕒 ⚙️ Data Source... ⓘ

Selection values

Controlling Area	2026	1
Fiscal Year	2015	
From Period	1	2
To Period	1	
Plan Version	0	

Selection groups

Cost Center Group	7971-1	3	
Or value(s)		to	
Cost Element Group			
Or value(s)		to	

STEP 5

1. Production cost centers
2. Actual fixed costs
3. Plan costs from IAC 01.09 (local currency)
4. Actual hour
5. Normal capacity from IAC 01.09 (h)

Variation: Cost Center 7971-1 Solway Shanghai - Direct Production 7971-1000 Compounding 7971-1001 Packing		Cost Center/Group Person responsible: Reporting period:	7971-1000 50001634 1 to 1 2015	Compounding
		Cost Elements	Act. Costs	Plan Costs
		99429910 PA-AS CNP	193 294,41	
		99429920 PA-AS AMO	73 400,29	
		99430020 Direct Labour	801 937,23	924 980,41
		99430120 Dir. Mat. and/or (CN	1 015 636,68	1 171 810,41
		99438000 Depreciation	472 299,16	544 763,99
		Credit	2 556 566,72	2 641 212,67
		** Over/Underabsorption		1,74
		Activity Types	Act. Acty	Plan Acty
		AMO Direct Depreciation	2 322,42 H	2 678,75 H
		MACHI DIR FIX O/H (CNP) /h	2 322,42 H	2 678,75 H
		MANHO Direct Labour	2 322,42 H	2 678,75 H

STEP 6

Report the actual costs of each cost center per activity

$$1 = a + d$$

$$2 = c$$

$$3 = b + e$$

Report the actual hours of each cost center per activity

Cost Center/Group	7971-1000
Person responsible:	50001634
Reporting period:	1

Cost Elements	Act. Costs
99429910 PA-AS CNP	193 294,41-
99429920 PA-AS AMO	73 400,29-
99430020 Direct Labour	801 937,23-
99430120 Dir Fxd Ohd/H (CNP)	1 015 636,63-
99438000 Depreciation	472 298,16-
* Credit	2 556 566,72-
** Over/Underabsorption	

Code	Description	E01 FC Period
7971-1000	Compounding	1208.931
7971-1001	Packaging	
TOTAL MACHI		1208.931
7971-1000	Compounding	801.937
7971-1001	Packaging	
TOTAL MANHO		801.937
TOTAL CNP		2.010.868

Code	Description	D30 DE period
7971-1000	Compounding	545.698
7971-1001	Packaging	
TOTAL AMO		545.698
TOTAL AMO		545.698

Cost Center/Group	7971-1000
Person responsible:	50001634
Reporting period:	1

Activity Types	Act. Acty
AMO Direct Depreciation	2 322,42 H
MACHI DIR FIX O/H (CNP) /h	2 322,42 H
MANHO Direct Labour	2 322,42 H

Code	Description	Actual hours
7971-1000	Compounding	2.322
7971-1001	Packaging	
TOTAL MACHI		2.322
7971-1000	Compounding	2.322
7971-1001	Packaging	
TOTAL MANHO		2.322
TOTAL CNP		

Code	Description	Actual hours
7971-1000	Compounding	2.322
7971-1001	Packaging	0
TOTAL AMO		2.322
TOTAL AMO		

STEP 7

Once the file is completed, the price & absorption variance can be reported in the variance analysis template

Code	Description	a. price variance	b. absorption variance	E01 + E90 Total CC variance
7971-1000	Compounding	37.461	155.834	193.295
7971-1001	Packaging	-146.798	2.940	-143.858
TOTAL MACHI		-109.337	158.782	49.445
7971-1000	Compounding	-121.664	123.664	1
7971-1001	Packaging	802	4.960	1
TOTAL MANHO		-120.862	128.624	2
TOTAL CNP		-237.373	288.819	49.446

Code	Description	a. price variance	b. absorption variance	D30 + F90 Total CC variance
7971-1000	Compounding	935	72.467	73.402
7971-1001	Packaging	3.337	1.514	4.851
TOTAL AMO		4.272	74.010	78.282
TOTAL AMO		4.272	74.010	78.282

January	
E00 FC Fixed Costs	2.025.287
4. CC variance (E01-E90)	49.446
a. price variance	-237.373
b. absorption variance	286.819
FC on production	2.074.733
F00 DEP Depreciation	581.344
4. CC variance (D30-F90)	78.282
a. price variance	4.272
b. absorption variance	74.010
DEP on production	659.627