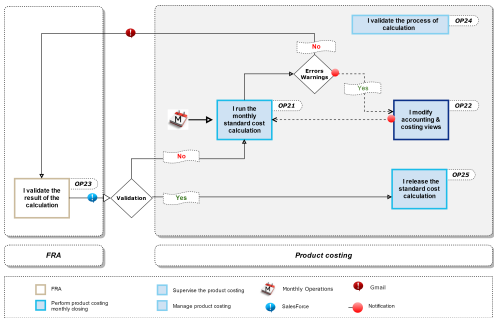


# I run the monthly standard cost calculation

Process: [Product Costing](#)

Responsibility area: [Perform product costing monthly closing](#)

A costing run must be created for all company codes with production in WP2 starting on D-7



Scope

Frequency

References

Attachments

N/A

xx << I run the monthly standard cost calculation >> [OP.023](#)

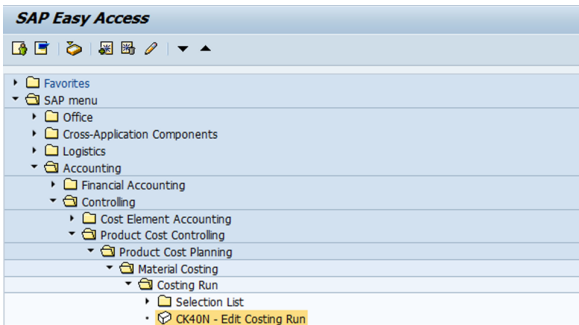
## Guideline

### STEP 1

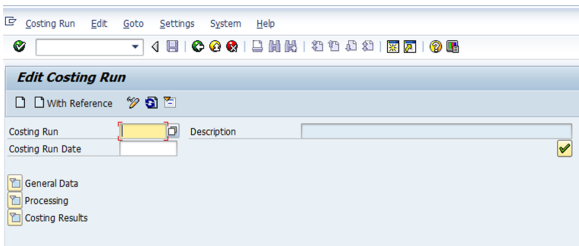
Start the transaction using the menu path or transaction code **CK40N**

Double-click

**CK40N - Edit Costing Run**

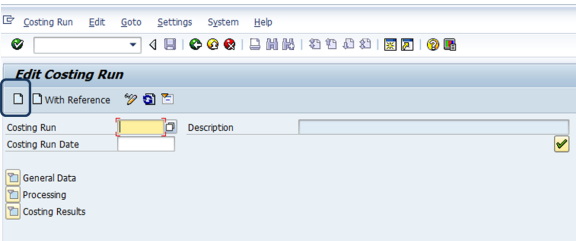


Edit Costing Run : Initial Screen



### STEP 2

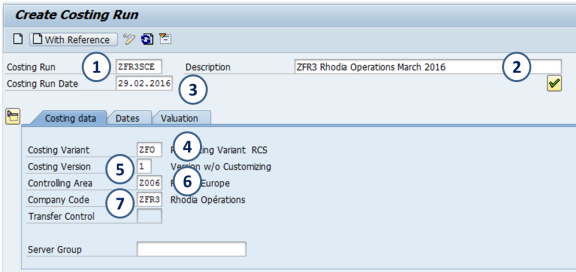
Create the costing run by clicking on



STEP 3

Enter :

1. **Costing run code :**  
CCCCSCE
  - CCCC = Company code
  - SCE - Standard cost estimate
2. **Description :** CCCC Name company Month Year
3. **Costing Run Date :** Last day of the month preceding the cycle
4. **Costing variant :** ZFO (ZEP in Korea, Z25 in Brazil)
5. **Costing version :** 1
6. **Controlling area**
7. **Company code**



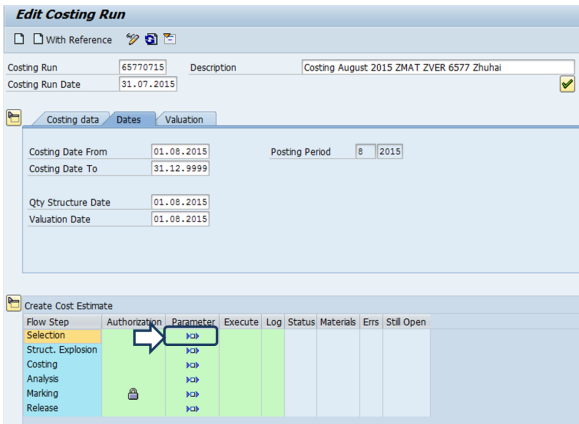
The monthly calculation of the cost estimate starts with four steps. Run every month since D-6 until D-2 or D-1 depends of each company. In order to continue for the other steps we need the approval from all controllers.

STEP 1

The date of the first day of the cycle appears. To avoid any problems, calculation must remain until 31.12.9999.

The cycle starts with the selection of the materials that are costed. Click

on  in the column « Parameter » / line « Selection »

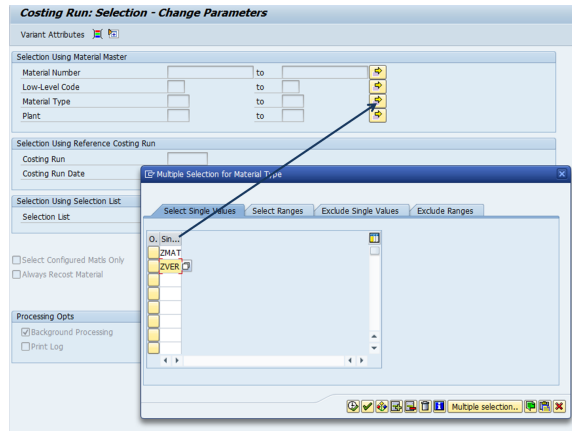


STEP 2

A new screen appears

1. Click on  beside Material Type
2. Enter the Material type :
  - **ZMAT** : Finished product & RM & SF
  - **ZVER** : Packaging

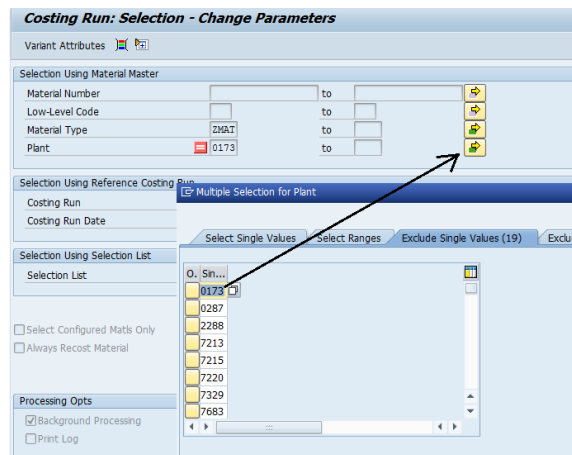
and execute 



### STEP 3

In the same screen update the plants:

1. Click on  beside Plant
2. In tab Exclude single values
3. Add the plants from **SQ00** in tab excludes

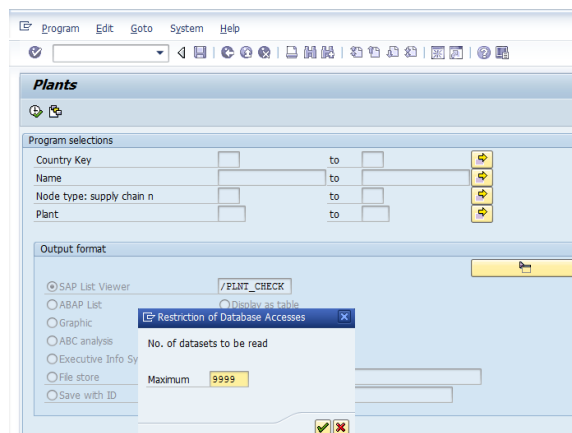


### STEP 4

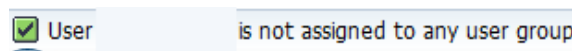
To remove Trading Plants (Négoce /NDIR) from WP1 Costing Run the following selections must be performed:

1. Go to **SQ00**, user group "**Costing**", choose the Query "**PLANTS**" and execute 
2. In case you get an error message saying that your User is not assigned to any User Group, go to Environment -> Work areas and choose Standard area. After go to Edit -> Other User Group -> Costing.
3. Select Layout **/PLNT\_CHECK** and confirm for your scope if Plants listed are excluded from **CK40N** parameters.

1



2



**Conclusion** : The Plants should be included/added to the already existing exclude list in CK40N (do not delete the Plants already in the List).



The message “Values of variant  
xxxx” appears

Go back by clicking



**Costing Run: Selection - Change Parameters**

Variant Attributes

Selection Using Material Master

Material Number to  
Low-Level Code to  
Material Type to  
Plant to

Selection Using Reference Costing Run

Costing Run  
Costing Run Date

Selection Using Selection List

Selection List

☐ Select Configured Mats Only  
☐ Always Recost Material

Processing Opts

☒ Background Processing  
☐ Print Log

Values of variant 6577015730811 saved

#### STEP 6

1. Click on in the column « Execute » / line « Selection »
2. Check Start Immediately
3. Click on

? Unknown Attachment

**Edit Costing Run**

☐ With Reference

Costing Run 6577015 Description Costing August 2015 ZMAT ZVER 6577 Zhuhai  
Costing Run Date 31.07.2015

Costing data Dates Valuation

Costing Variant ZFO PC Costing Variant RCS  
Costing Version 1 Version w/o Customizing  
Controlling Area 2026 Rhodia Asia Pacific  
Company Code 6577 Zhuhai Solvay Spe Chem Co  
Transfer Control  
Server Group

Job name 6577015\_Z0050703\_COSTING\_SETUP  
Server Group

Planned Start  
No Start After  
☒ Start Immediately  
☐ Restriction Date/Time

☐ Change print param.

Check Confirm

Create Cost Estimate

| Flow Step         | Authorization | Parameter | Execute | Log | Status | Materials | Er. | Still Open |
|-------------------|---------------|-----------|---------|-----|--------|-----------|-----|------------|
| Selection         |               |           |         |     |        |           |     |            |
| Struct. Explosion |               |           |         |     |        |           |     |            |
| Costing           |               |           |         |     |        |           |     |            |
| Analysis          |               |           |         |     |        |           |     |            |
| Marking           |               |           |         |     |        |           |     |            |
| Release           |               |           |         |     |        |           |     |            |

#### STEP 1

The cycle continues by the  
determination of quantities. Click on  
the icon of column **Parameter**  
on the line **Struct explosion**.

**Edit Costing Run**

☐ With Reference

Costing Run 6577015 Description Costing August 2015 ZMAT ZVER 6577 Zhuhai  
Costing Run Date 31.07.2015

Costing data Dates Valuation

Costing Variant ZFO PC Costing Variant RCS  
Costing Version 1 Version w/o Customizing  
Controlling Area 2026 Rhodia Asia Pacific  
Company Code 6577 Zhuhai Solvay Spe Chem Co  
Transfer Control  
Server Group

Create Cost Estimate

| Flow Step         | Authorization | Parameter | Execute | Log | Status | Materials | Er. | Still Open |
|-------------------|---------------|-----------|---------|-----|--------|-----------|-----|------------|
| Selection         |               |           |         |     |        |           |     |            |
| Struct. Explosion |               |           |         |     |        |           |     |            |
| Costing           |               |           |         |     |        |           |     |            |
| Analysis          |               |           |         |     |        |           |     |            |
| Marking           |               |           |         |     |        |           |     |            |
| Release           |               |           |         |     |        |           |     |            |

#### STEP 2

A new screen appears

- Uncheck **Background processing** and save

? Unknown Attachment

**Costing Run: BOM Explosion - Change Parameters**

Variant Attributes

Processing Opts

☐ Background Processing  
☐ Print Log

A message appears : "values of  
variant xxxx saved"

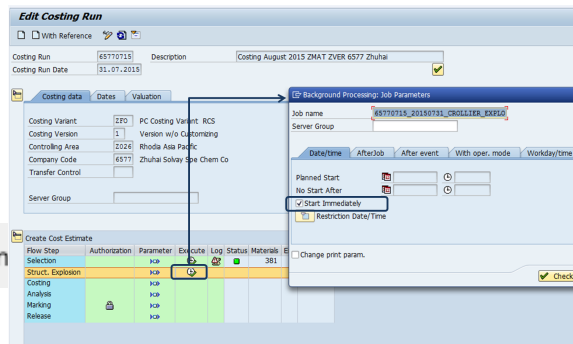
- Go back by clicking

? Unknown Attachment

### STEP 3

- Click on  in the column **Execute** / line **Struct explosion**
- Check Start Immediately
- Click on

? Unknown Attachment



### STEP 4

Click on

? Unknown Attachment

until the job is finished: the icon

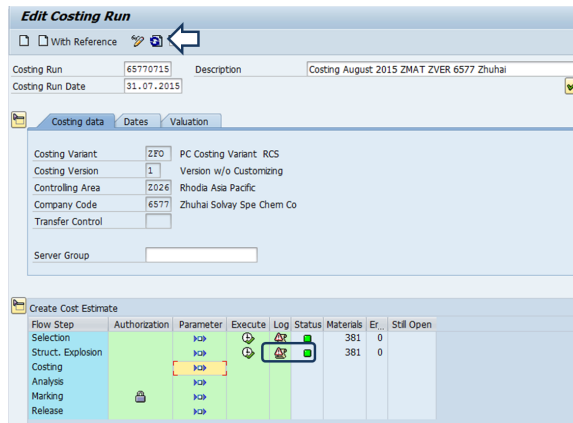
? Unknown Attachment

appears in the column log with a

status 

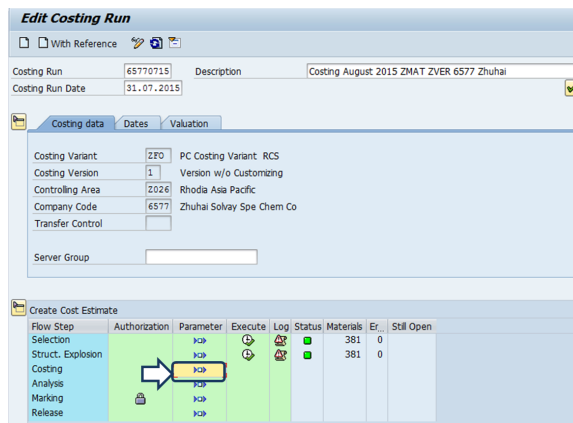
? Unknown Attachment

or 



### STEP 1

The cycle continues by the costing.  
Click on the icon of column **Parameter**  
on the line **Costing**.



### STEP 2

A new screen appears

**Costing Run: Cost Estimate - Change Parameters**

Variant Attributes 

☐ Cost Ests with Errors Only

☐ Log by Costing Level

Costing Levels

Parallel Processing

☐ Parallel Processing

Maximum No. of Servers/Modes 

Processing Opts

☐ Background Processing 

☐ Print Log

[illegible]

**Edit Costing Run**

☐ ☐ With Reference  

Costing Run: 65770715 Description: Costing August 2015 ZMAT ZVER 6577 Zhuhai

Costing Run Date: 31.07.2015

**Costing data** Dates Valuation

Costing Variant: ZFO PC Costing Variant: RCS

Costing Version: 1 Version w/o Customizing

Controlling Area: 2026 Rhoda Asia Pacific

Company Code: 6577 Zhuhai Solvay Spe Chem Co

Transfer Control:

Server Group:

**Create Cost Estimate**

| Flow Step         | Authorization | Parameter | Execute | Log | Status | Materials | Er | Still Open |
|-------------------|---------------|-----------|---------|-----|--------|-----------|----|------------|
| Selection         |               | ✕         | ⬇       | ⚠   | 🟢      | 381       | 0  |            |
| Struct. Explosion |               | ✕         | ⬇       | ⚠   | 🟢      | 381       | 0  |            |
| Costing           |               | ✕         | ⬇       | ⚠   | 🟢      | 381       | 0  | 0          |
| Analysis          |               | ✕         |         |     |        |           |    |            |
| Marking           |               | 🗑         |         |     |        |           |    |            |
| Release           |               | ✕         |         |     |        |           |    |            |

Click on the icon  of column **Parameter** / line **Analysis**

STEP 2

A new screen appears

Select your variant according to your company.

- Select the variant "ZEPREV AL" for example.

STEP 3

A new screen appears

1. Enter the currency = 1 (currency of the company)
2. Layout: SAP03 (It has to be created previously by the user)

Save

? Unknown Attachment

A message appears : "values of variant xxxx saved"

- Go back by clicking

? Unknown Attachment

STEP 4

Click on  in the column **Execute** / line **Analysis**

**Edit Costing Run**

☐ With Reference

Costing Run: 65770715 Description: Costing August 2015 ZMAT ZVER 6577 Zhuhai

Costing Run Date: 31.07.2015

Costing data Dates Valuation

Costing Variant: ZFO PC Costing Variant: RCS

Costing Version: 1 Version w/o Customizing

Controlling Area: 2026 Rhodia Asa Pacific

Company Code: 6577 Zhuhai Solvay Spe Chem Co

Transfer Control:

Server Group:

Create Cost Estimate

| Flow Step         | Authorization | Parameter | Execute | Log | Status | Materials | Er | Still Open |
|-------------------|---------------|-----------|---------|-----|--------|-----------|----|------------|
| Selection         |               |           |         |     |        | 381       | 0  |            |
| Struct. Explosion |               |           |         |     |        | 381       | 0  |            |
| Costing           |               |           |         |     |        | 381       | 0  | 0          |
| Analysis          |               |           |         |     |        |           |    |            |
| Marking           |               |           |         |     |        |           |    |            |
| Release           |               |           |         |     |        |           |    |            |

### STEP 5

The report is displayed with the list of material codes & plants

- A** =  $F / D$  = Variation in %
- B** =  $C \times F$  = Anticipated revaluation
- C** = Total stock (quantity)
- D** = Standard costing M
- E** = Standard costing M+1
- F** =  $E - D$  = Costing variation

**Analyze/Compare Material Cost Estimates**

Costing Run: 65770715 31.07.2015  
Currency: CNY Chinese Renminbi  
Base: Values Based On Costing Let Size  
Cost Component View (Cost of goods manufactured)

| Material | Material Description                 | Plant | Lot Size | Price Unit | Unit | %Var. | co. | % Anticip. | Total Stock | Val. MatHls  | Costing Re | Var. costm. |
|----------|--------------------------------------|-------|----------|------------|------|-------|-----|------------|-------------|--------------|------------|-------------|
| 18630    | HYDROCHLORIC ACID 36% OHL BULK       | 8091  | 1,000    | 1,000      | TO   |       |     |            | 6,342       | 1,452,999.84 | 1,453,000. | 0.79        |
| 30605    | RHODAFAC RE-610 PUT PLASTIQUE 200 KG | 8091  | 1,000    | 1,000      | KG   |       |     |            | 0           | 16,846.65    | 16,846.15  | 0.51        |
| 30659    | RHODAFAC RA-600 PLASTIC DRUM 200 KG  | 8091  | 1,000    | 1,000      | KG   |       |     |            | 0           | 16,846.65    | 16,846.15  | 0.51        |
| 31139    | RHODASURF RC-610 METAL DRUM 193KG    | 8091  | 1,000    | 1,000      | KG   |       |     |            | 0           | 16,846.65    | 16,846.15  | 0.51        |
| 32267    | RHODASURF CET9 186 KG DRUM           | 8091  | 1,000    | 1,000      | KG   |       |     |            | 1,440       | 18,580.48    | 18,580.48  |             |
| 38990    | GEROPON HV 15 METAL DRUM 200 KG      | 8091  | 1,000    | 1,000      | KG   |       |     |            | 0           | 13,689.61    | 13,689.61  |             |
| 41289    | AREX 2515 BULK                       | 8091  | 26,454   | 1,000      | LB   |       |     |            | 0           | 106,589.51   | 106,589.51 |             |
| 41295    | AREX 2535 BULK                       | 8091  | 26,454   | 1,000      | LB   |       |     |            | 0           | 92,844.28    | 92,844.22  | 0.06        |
| 53303    | RHODAFAC CO 436 BULK                 | 8091  | 15,432   | 1,000      | LB   |       |     |            | 12,874.864  | 62,697.28    | 62,697.26  | 0.02        |
| 57254    | LAURIC CONDENSATE BULK               | 8091  | 1,000    | 1,000      | LB   |       |     |            | 73,036.193  | 10,092.96    | 10,092.96  |             |
| 58306    | SODIUM METABISULFITE 25/50KG BG      | 8091  | 1,000    | 1,000      | KG   |       |     |            | 1,813       | 5,982.91     | 5,982.91   |             |
| 58309    | SULFAMIC ACID 25KG BG                | 8091  | 1,000    | 1,000      | KG   |       |     |            | 2,550       | 5,153.27     | 5,153.27   |             |
| 61084    | PROPYLENE OXIDE BU                   | 8091  | 1,000    | 1,000      | KG   |       |     |            | 294.600     | 34,525.73    | 34,525.73  |             |
| 61479    | 2-ETHYL HEXANOL 171KG DR             | 8091  | 1,000    | 1,000      | KG   |       |     |            | 1,020       | 10,576.61    | 10,576.61  |             |

The report must be saved in excel by clicking on

### STEP 6

Check **Spreadsheet**

Enter the folder & the file name and

**Generate**

**Analyze/Compare Material Cost Estimates**

Save list in file...

In which format should the list be saved ?

☐ unconverted

☒ Spreadsheet

☐ Rich text format

☐ HTML Format

☐ In the clipboard

☐ In Google Drive

**Analyze/Compare Material Cost Estimates**

Analyze/Compare Material Cost Estimates

Directory: C:\Users\croller\Documents\SAP\SAP GUI\

File Name: Costing 6577 August 2015 v1.xls

Encoding:

**Generate** **Replace** **Extend**

### STEP 1

WP1 + PF1

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

| Flow Step         | Authorization | Parameter | Execute | Log | Status                                                                            | Materials | Errs | Still Open |
|-------------------|---------------|-----------|---------|-----|-----------------------------------------------------------------------------------|-----------|------|------------|
| Selection         |               |           |         |     |  | 1726      | 26   |            |
| Struct. Explosion |               |           |         |     |  | 1726      | 26   |            |
| Costing           |               |           |         |     |  | 1700      | 0    | 0          |
| Analysis          |               |           |         |     |                                                                                   |           |      |            |
| Marking           |               |           |         |     |                                                                                   |           |      |            |
| Release           |               |           |         |     |                                                                                   |           |      |            |

### STEP 2

WP1 + PF1

Click on  to have the list of messages

|                                   |    |
|-----------------------------------|----|
| 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

 E Error messages, must be cleared

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

 I Information messages

| Log created on 26.12.2011                                                           |      |      |       |          |    |                                                                 |
|-------------------------------------------------------------------------------------|------|------|-------|----------|----|-----------------------------------------------------------------|
| Excep...                                                                            | M... | M... | Plant | Material | St | A. Message Text                                                 |
|   | W    | 128  | 7811  | 32787    | 1  | CK Material 32787 in plant 7811 has no accounting data          |
|  | W    |      |       | 77069    | 1  | CK Material 77069 in plant 7811 has no accounting data          |
|  | W    |      |       | 115117   | 1  | CK Material 115117 in plant 7811 has no accounting data         |
|  | W    |      | 7818  | 49739    | 1  | CK Material 49739 in plant 7818 has no accounting data          |
|  | W    |      | 7819  | 110142   | 1  | CK Material 110142 in plant 7819 has no accounting data         |
|  | I    | 172  | 7787  | 1615996  | 1  | CK Material 1615996 in plant 7787: No cost est. exists -> ra... |
|  | E    | 310  | 7714  | 68858    | 1  | CK Material 68858 is marked for deletion                        |
|  | E    |      |       | 19398    | 1  | CK Material 19398 is marked for deletion                        |
|  | E    |      |       | 40928    | 1  | CK Material 40928 is marked for deletion                        |
|  | E    |      |       | 50775    | 1  | CK Material 50775 is marked for deletion                        |
|  | E    |      |       | 66785    | 1  | CK Material 66785 is marked for deletion                        |
|  | E    |      |       | 101132   | 1  | CK Material 101132 is marked for deletion                       |
|  | E    |      |       | 101628   | 1  | CK Material 101628 is marked for deletion                       |
|  | E    |      |       | 7779     | 1  | CK Material 66785 is marked for deletion                        |

2 - Message code

3 - Plant code

4 - Material code

5 - Message description

### STEP 4

WP1 + PF1

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

|                                                                                                                                                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Material 68858 is marked for deletion</b>                                                                                                      |  |
| Message no. CK310                                                                                                                                 |  |
| <b>Diagnosis</b>                                                                                                                                  |  |
| Material 68858 was flagged for deletion internally. To delete this deletion flag, you have to change the indicator in the material master record. |  |
| <a href="#">Change material master record</a>                                                                                                     |  |



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

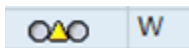
CK468 - No price could be determined for subcontracting

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

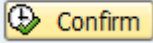
CK858 - No suitable or valid production version

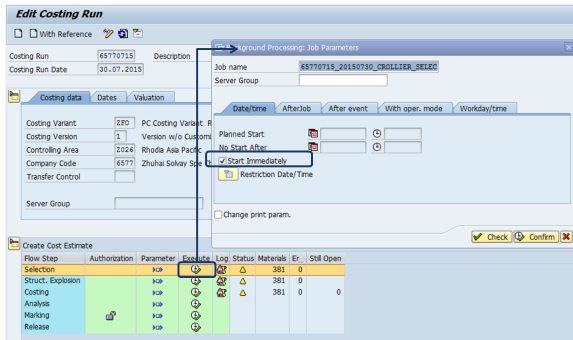
Inform the FRA that the cost estimate has been calculated

I receive an email from the FRA that some changes have been performed and the cost estimate must be recalculated

If corrective actions have been taken, the costing run must be re executed

#### STEP 1

1. Click on  in the column « Execute » / line « Selection »
2. Check Start Immediately
3. Click on 

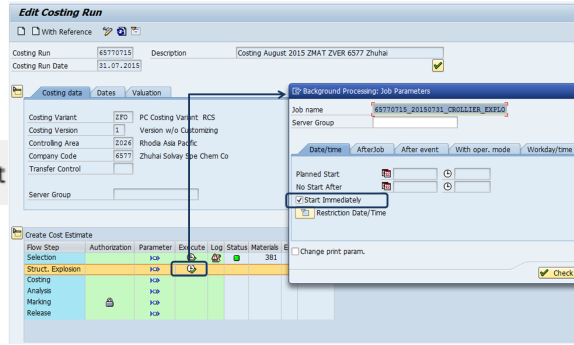


| Flow Step         | Authorization | Parameter | Execute | Log | Status | Materials | Er | Still Open |
|-------------------|---------------|-----------|---------|-----|--------|-----------|----|------------|
| Selection         |               |           |         |     |        | 381       | 0  |            |
| Struct. Explosion |               |           |         |     |        | 381       | 0  |            |
| Costing           |               |           |         |     |        | 381       | 0  | 0          |
| Analysis          |               |           |         |     |        |           |    |            |
| Marking           |               |           |         |     |        |           |    |            |
| Release           |               |           |         |     |        |           |    |            |

#### STEP 2

1. Click on  in the column « Execute » / line « Struct explosion »
2. Check Start Immediately
3. Click on

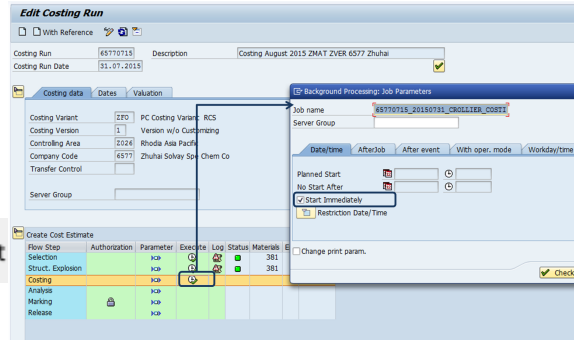
? Unknown Attachment



### STEP 3

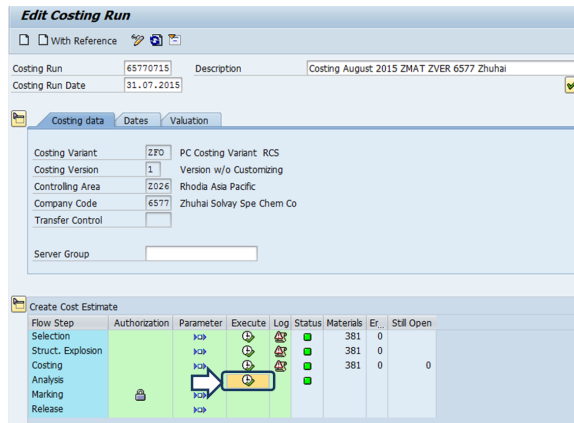
1. Click on  in the column « Execute » / line « Costing »
2. Check Start Immediately
3. Click on

? Unknown Attachment



### STEP 4

Click on  in the column « Execute » / line « Analysis »



Inform the FRA that the cost estimate has been calculated