

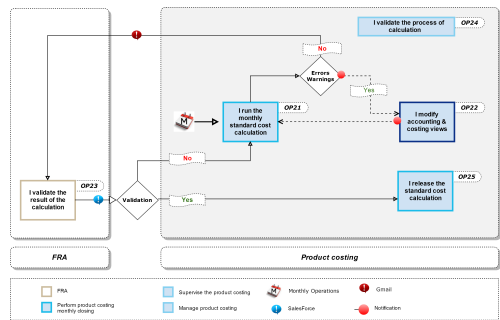
OP.021

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](#)

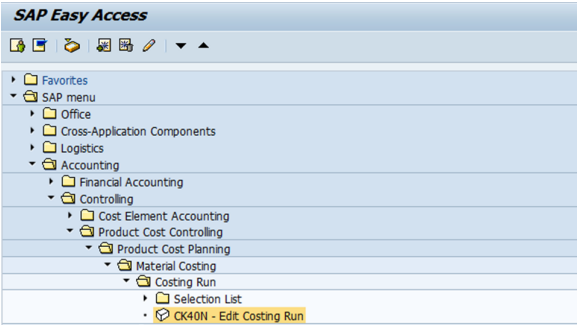
Guideline

STEP 1

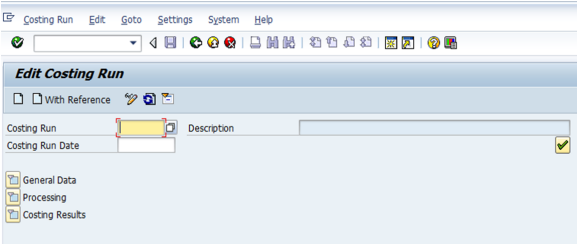
Start the transaction using the menu path or transaction code CK40N

Double-click

CK40N - Edit Costing Run

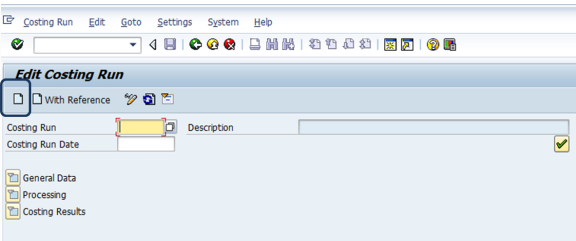


Edit Costing Run : Initial Screen



STEP 2

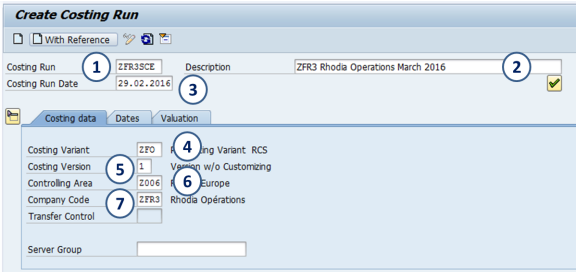
Create the costing run by clicking on



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**



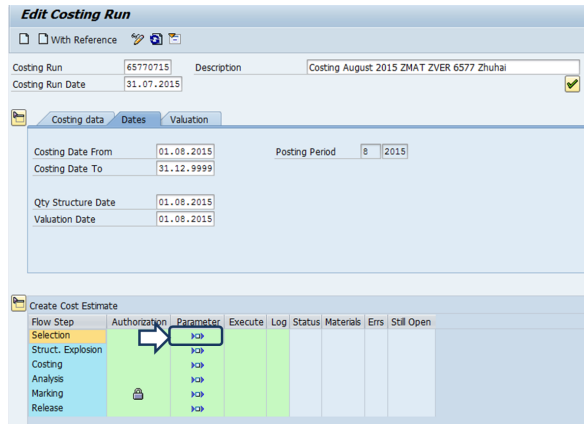
The monthly calculation of the cost estimate starts with four steps. Run every month since D-6 until D-2 or D-1 depends of each company. In order to continue for the other steps we need the approval from all controllers.

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 »

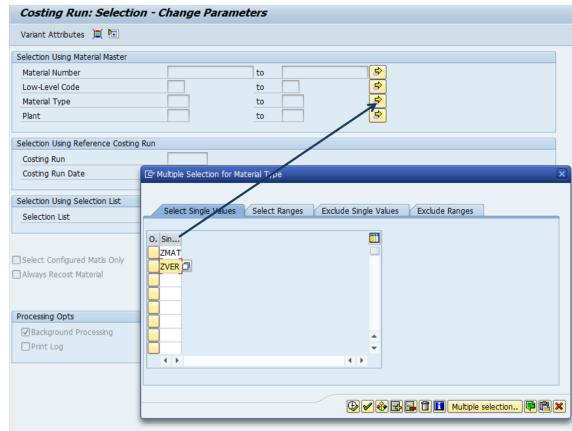


STEP 2

A new screen appears

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

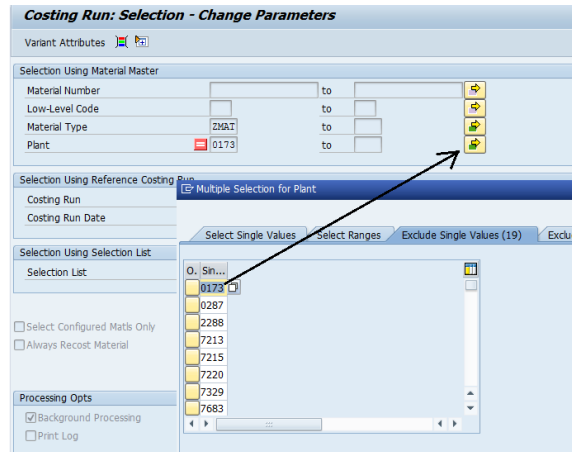
and execute 



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

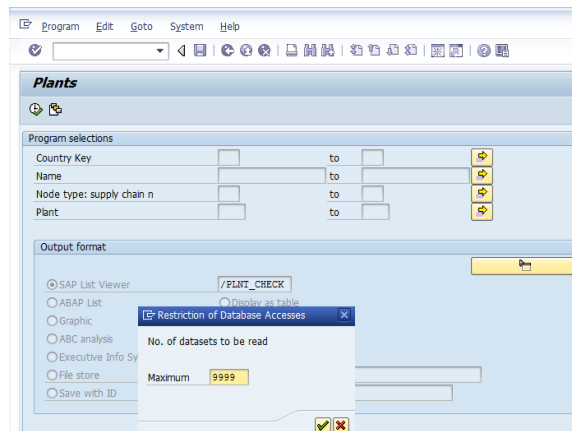


STEP 4

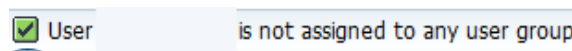
To remove Trading Plants (Négoce /NDIR) from WP1 Costing Run the following selections must be performed:

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	ZMAT	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_20260703_COSTLINES_SETUP

Server Group

Planned Start

No Start After

☒ Start Immediately

☐ Restriction Date/Time

☐ Change print param.

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

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A message appears : "values of variant xxxx saved"

Costing Run: BOM Explosion - Change Parameters

Variant Attributes 

Processing Opts

☐ Background Processing 

☐ Print Log

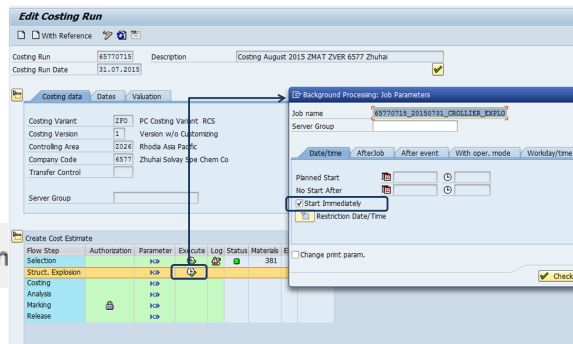
- Go back by clicking

? 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

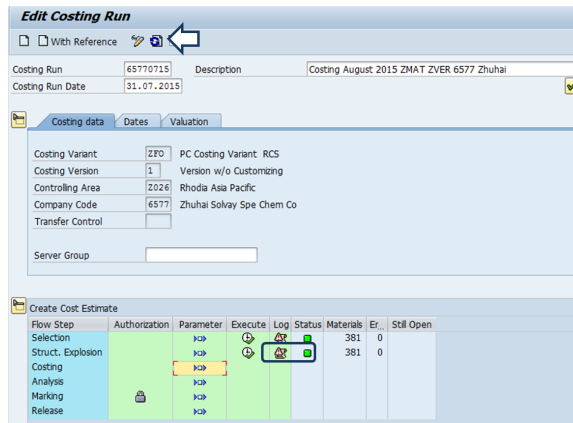
? Unknown Attachment

appears in the column log with a

status 

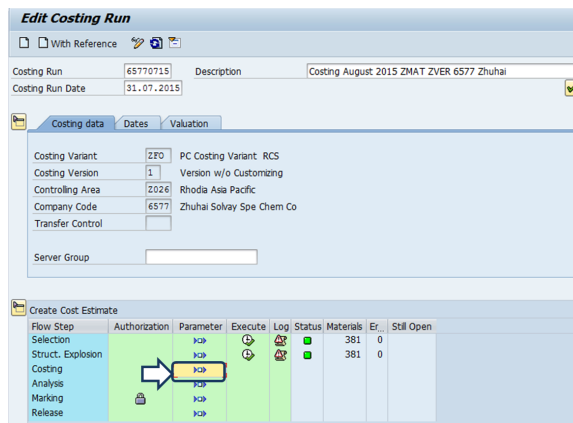
? Unknown Attachment

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

- Uncheck **Background processing** and save

? Unknown Attachment

A message appears : "values of variant xxxx saved"

- Go back by clicking

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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

STEP 3

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

? Unknown Attachment

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 Asia Pacific
Company Code 6577 Zhuhai Solvay Spe Chem Co
Transfer Control
Server Group

Background Processing: Job Parameters
Job name 65770715_20160731_CHGILLER_COSTE
Server Group
Planned Start
No Start After
Start Immediately
Restriction Date/Time
Change print param.

Create Cost Estimate

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

Check

STEP 4

1. Click on until the job is finished: the icon

? Unknown Attachment

appears in the column log

with a status

? Unknown Attachment



or

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 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								

STEP 1

The cycle continues with the analysis of the calculation:

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**

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

☐ OK ☐ Cancel

Enter the folder & the file name and

Generate

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:

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

Costing Run: Selection - Log



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	66785	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

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

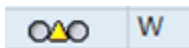
CK468 - No price could be determined for subcontracting

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

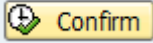
CK858 - No suitable or valid production version

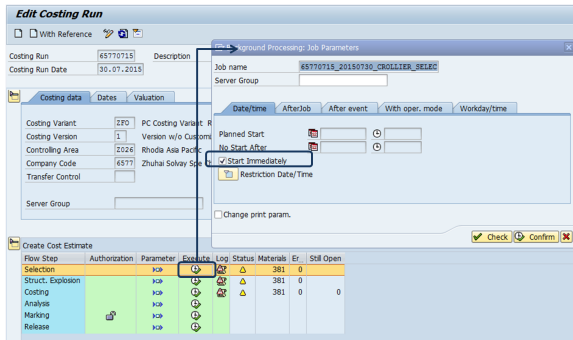
Inform the FRA that the cost estimate has been calculated

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 

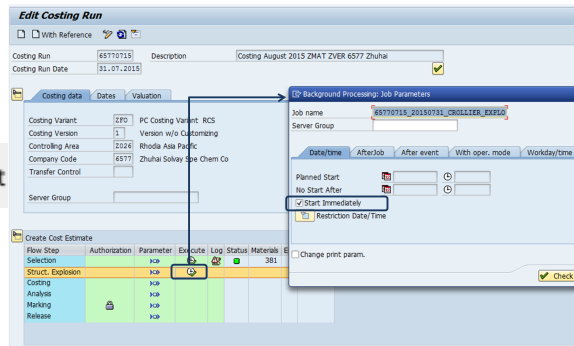


Flow Step	Authorization	Parameter	Execute	Log	Status	Materials	Er	Still Open
Selection						381	0	
Struct. Explosion						381	0	
Costing						381	0	0
Analysis								
Marking								
Release								

STEP 2

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

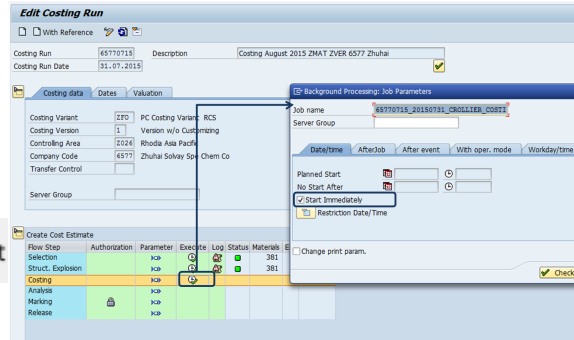
? Unknown Attachment



STEP 3

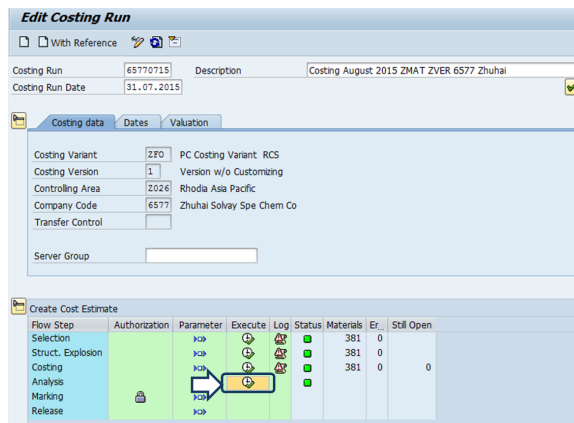
1. Click on  in the column « Execute » / line « Costing »
2. Check Start Immediately
3. Click on

? Unknown Attachment



STEP 4

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



Inform the FRA that the cost estimate has been calculated