

**SAP**

**CONTROLLING**

**MIX COSTING**

**STEP BY STEP**

**NOTES**

**- BY ASHRAF**

**Note: Please Leave Your Valuable Comments To Improve This Material**

## Configuration Of Mixed Costing

**Mixed costing is very important. For ex. it's the only way to release a standard cost estimate for each procurement alternative that is associated with a valuation type.** Mixed Cost estimates let you to combine the costs of different procurement alternates into an inventory value

When you have procurement alternatives for the same materials, such as two production lines or two vendors, you can use mixed cost estimates.

When you need inventory valuation to reflect the mixed procurement costs

The prerequisite for the mixed costing is as below:

- A quantity structure type is configured in the customizing
- This quantity structure type is associated to a costing version in the Customizing.
- The Procurement alternatives for the material have been defined
- The mixing ratios for the procurement alternatives are defined based on the quantity structure type
- The material is costed with the above-defined costing version.

### Case Study

Combination of 2 Products

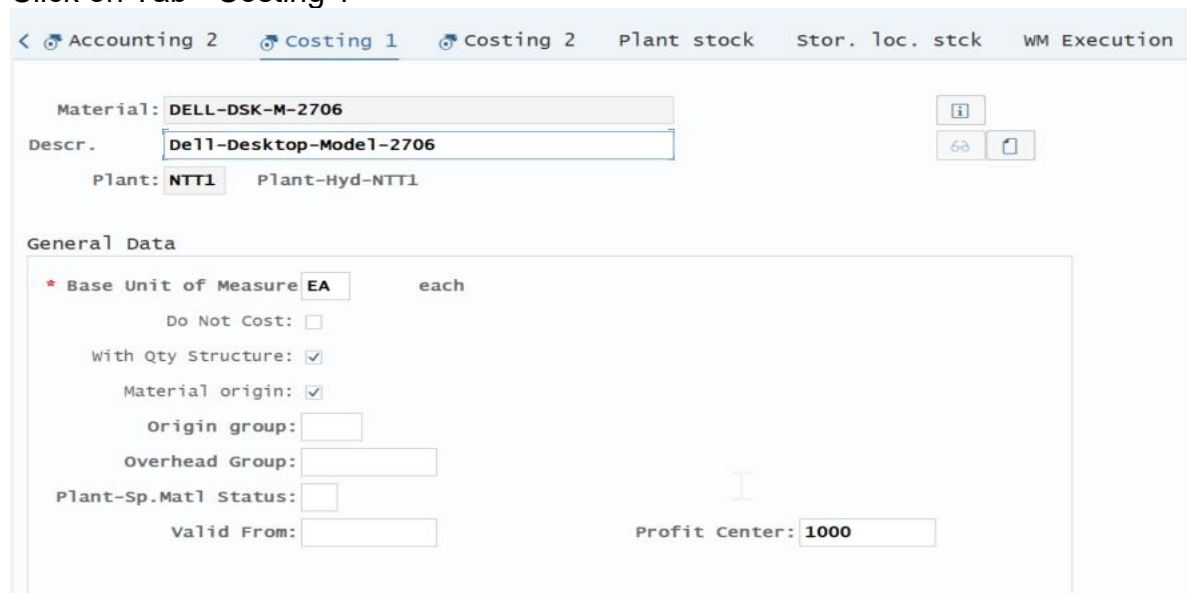
01. Hardware - 80%

02. Software - 20%

### 01. Create Finished Product - MM01

**Material - Dell -DSK-M-2706**

Click on Tab - Costing 1



The screenshot displays the SAP Costing 1 configuration for material DELL-DSK-M-2706. The interface includes a navigation bar with tabs for Accounting 2, Costing 1 (selected), Costing 2, Plant stock, Stor. loc. stck, and WM Execution. The main area shows the material details: Material: DELL-DSK-M-2706, Description: Dell-Desktop-Model-2706, and Plant: NTT1. Below this is the 'General Data' section, which contains several configuration options: Base Unit of Measure (EA), Do Not Cost (checkbox), With Qty Structure (checked), Material origin (checked), Origin group (input field), Overhead Group (input field), Plant-Sp. Matl Status (input field), Valid From (input field), and Profit Center (1000).

Scroll Down

# MIX COSTING CONFIGURATION

Accounting 2 Costing 1 Costing 2 Plant stock Stor. loc. stck WM Execution

Quantity structure data

Alternative BOM:	<input type="checkbox"/>	BOM Usage:	<input type="checkbox"/>
Group:	<input type="text"/>	Group Counter:	<input type="text"/>
Task List Type:	<input type="checkbox"/>	Costing Lot Size:	<input type="text" value="1"/>
SpecProcurem Costing:	<input type="checkbox"/>	<input type="button" value="Joint production"/>	
Co-product:	<input type="checkbox"/>	<input type="button" value="Versions"/>	
Fxd Price:	<input type="checkbox"/>		
Version Indicator:	<input checked="" type="checkbox"/>		
Production Version:	<input type="text"/>		

## Click on Version

Give the Following Information

Production Version Overview

V...	Production Version T	Valid from	Valid To	R...
N1	Hardware	01.01.2022	31.12.9999	<input type="checkbox"/>
N2	Software	01.01.2202	31.12.9999	<input type="checkbox"/>

02. Create Raw Material - Hardware

Standard Value - 20,000

03. Create Raw Material - Software

Standard Value - 10,000

## 04. Create Bill Of Material - CS01

Here we are going to Create 02 Bill of Materials for the Same Product I.e Finished Goods

Material - Dell-Dsk-M-2706

Plant - NTT1

BOM Usage - 1 Production

Alternative -

Valid From - <System Date - Automatic>

Press Enter

SAP Change material BOM: Initial Screen

Material:

Plant:  Plant-Hyd-NTT1

BOM Usage:  Production

Alternative BOM:

Validity

Change Number:	<input type="text"/>
Valid From:	<input type="text" value="05.01.2022"/>
Revision level:	<input type="text"/>

Press Enter  
Give the Following Details

Material: DELL-DSK-M-2706 Dell-Desktop-Model-2706  
 Plant: NTT1 Plant-Hyd-NTT1  
 Alternative BOM: 1  
 Position Effectivity Initial Screen

Material Document General

Item	ICt	Component	Component description	Quantity	UoM	Asm	SIs	Valid From	Valid to	Change No.	P...SortStrng	Item ID	Chg No. To	G...F...L...@
<input type="checkbox"/>	0010 L	HARDWARE	Hardware	1		EA	<input type="checkbox"/>	05.01.2022	31.12.9999		<input type="checkbox"/>	00000001		

Save  
Msg: Creating BOM for Material Dell-Dsk-M-2706

**05. Create Bill Of Material - CS01 (Create 02 BOM - Alternative BOM)**

Msg: Alternative 2 Added to BOM - Press Enter and Ignore the Msg

**Material - Dell-Dsk-M-2706**

Plant - NTT1  
 BOM Usage - 02  
 Valid From -  
 Press Enter

Give the Following Details - Maintain Different Quantities

Material: DELL-DSK-M-2706 Dell-Desktop-Model-2706  
 Plant: NTT1 Plant-Hyd-NTT1  
 Alternative BOM: 2  
 Position Effectivity Initial Screen

Material Document General

Item	ICt	Component	Component description	Quantity	UoM	Asm	SIs	Valid From	Valid to	Change No.	P...SortStrng	Item ID	Chg No. To	G...F...L...@
<input type="checkbox"/>	0010 L	SOFTWARE	software	1		EA	<input type="checkbox"/>	05.01.2022	31.12.9999		<input type="checkbox"/>	00000002		
<input type="checkbox"/>	0020						<input type="checkbox"/>				<input type="checkbox"/>			

Save  
Msg: BOM for Material Dell-Dsk-M-2706 - Changed



**06. Create Routing - CA01**

Here we are going to Create 02 Routing for the Same Product I.e Finished Goods

**Material - Dell-Dsk-M-2706**

Plant - NTT1  
 Valid Key Date - <System Date - Automatic>  
 Press Enter

**General Data**

Usage - 1  
 Overall Status - 4

Click on **Operations**

Give the following Data

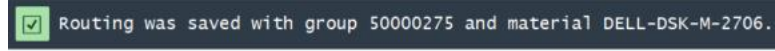
Change Routing: operation Overview

Group: 50000275 Group Counter: 1 Dell-Desktop-Model-2706  
 Material: DELL-DSK-M-2706 Dell-Desktop-Model-2706

Operation Overview

...	Sop	Work c...	P...	C...	Stand...	Description	L...	PRT	C...	O...	P...	C...	S...	Base Quantity	U...	Fact...	U...	Acti...	Machine	Unit	Acti...	Labor
<input type="checkbox"/>	0010	ASSEMBLI	NTT1	PP01		Assembling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	EA				1	MIN	ASSEMB	
<input type="checkbox"/>	0020	QUALITY	NTT1	PP01		Quality checks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	EA				1	MIN	QUALIT	
<input type="checkbox"/>	0030	PAKING	NTT1	PP01		Packing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	EA				1	MIN	PACKIN	
<input type="checkbox"/>	0040		NTT1				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	EA							

Save



**07. Create Second Routing for the Same Material  
Material - Dell-Dsk-M-2706**

Plant - NTT1

Valid Key Date - <System Date - Automatic>

Press Enter

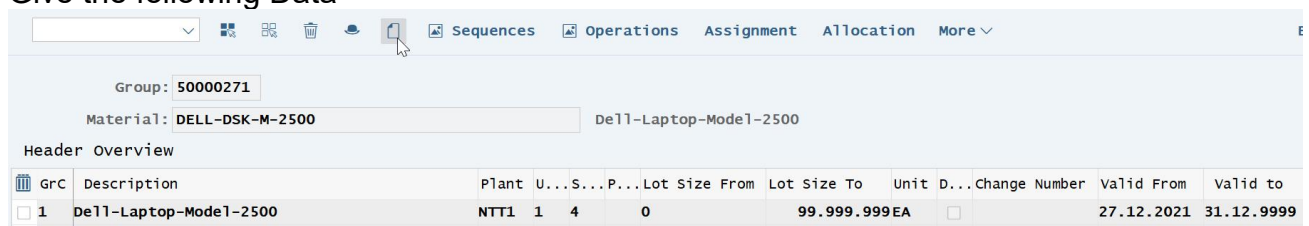
**General Data**

Usage - 1

Overall Status - 4

Click on **Operations**

Give the following Data



The following Data will be display - as we have already entered

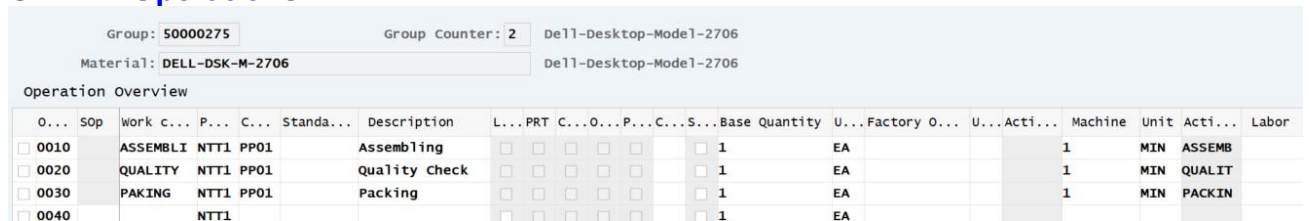
Click **Create Button**

**General Data**

Usage - 1

Overall Status - 4

Click on **Operations**



Save

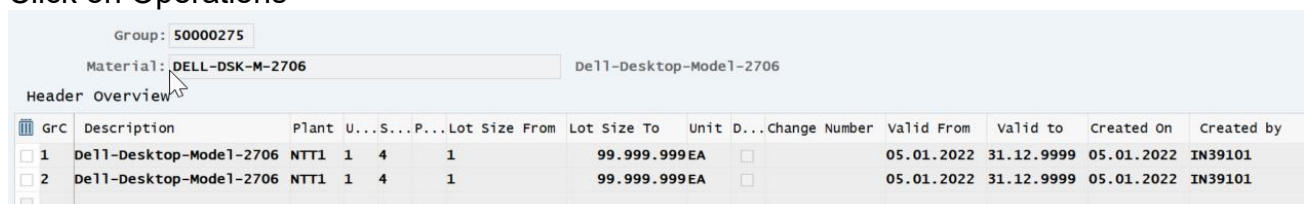


**Overall Look of Routings  
Material - Dell-Dsk-M-2706**

Plant - NTT1

Valid Key Date - <System Date - Automatic>

Click on Operations



**08. Define Procurement Alternatives - CK91N**

Using **CK91N**. Here we need to create the Procurement Alt per material/plant.

SAP Menu > Accounting > Controlling > Product Cost Controlling > Product Cost Planning > Material Costing > Master Data for Mixed Cost Estimate > CK91N - Edit Procurement Alternatives

**Material - Dell-Dsk-M-2706**

Plant - NTT1

Valuation Type-

Click on **Create Button**

Process Cat - **BF - Production**

Select **X - BOM/Routing**

**Bill Of Material**

Usage - 1

Alternative - 1

**Routing**

Task List - N

Group - <System Will Auto update>

Group Counter - 1

**Costing Data**

Cstg Lot Size - 1

Confirm

Display Procurement Alternative

\* Material:  Dell-Desktop-Model-2706

\* Plant:  Plant-Hyd-NTT1

Valuation Type:

>

Names

Generated Name:

Changeable Name:

Characteristics

Process Cat.: Production

Bill of material

Usage:  Production

Alternative:

Scroll Down

Routing

Task List Type:  Routing

Group:  Dell-Desktop-Model-2

Group Counter:

costing data

Cstg Lot Size:  EA

Click on confirm

**Repeat The Same Process**

**Bill Of Material**

Usage - 1

Alternative - 2

**Routing**

Task List - N

Group - <System Will Auto update>

Group Counter - 2

**Costing Data**

Cstg Lot Size - 1

Confirm

**Save**

The screenshot shows the SAP 'Display Procurement Alternative' interface. At the top, there is a navigation bar with the SAP logo and the title 'Display Procurement Alternative'. Below this, there is a search bar with a dropdown arrow and a 'More' button. The main content area displays the following information:

- \* Material:   Dell-Desktop-Model-2706
- \* Plant:  Plant-Hyd-NTT1
- Valuation Type:

Below the search bar, there is a right-pointing arrow button. The 'Names' section contains two input fields:

- Generated Name:
- Changeable Name:

The 'Characteristics' section contains a table with the following data:

Process Cat.:	Production
Bill of material	
Usage:	<input type="text" value="1"/> Production
Alternative:	<input type="text" value="2"/>

Scroll Down

**Routing**

Task List Type:  Routing

Group:  Dell-Desktop-Model-2

Group Counter:

---

**Costing data**

Cstg Lot Size:  EA

**Save**

**It will look like this**

**SAP** Display Procurement Alternatives

Material:  Dell-Desktop-Model-2706

Plant:  Plant-Hyd-NTT1

Valuation Type:

List of Procurement Alternatives	Lot Size	Unit
Production		
Process-1	1	EA
Process-2	1	EA

**Save**

**09. Define Mixing Ratios - CK94**

SAP Menu > Accounting > Controlling > Product Cost Controlling > Product Cost Planning > Material Costing > Master Data for Mixed Cost Estimate > Mixing Ratios > **CK94 - Create/Change**

**Material - DELL-DSK-M-2706**

Plant - NTT1

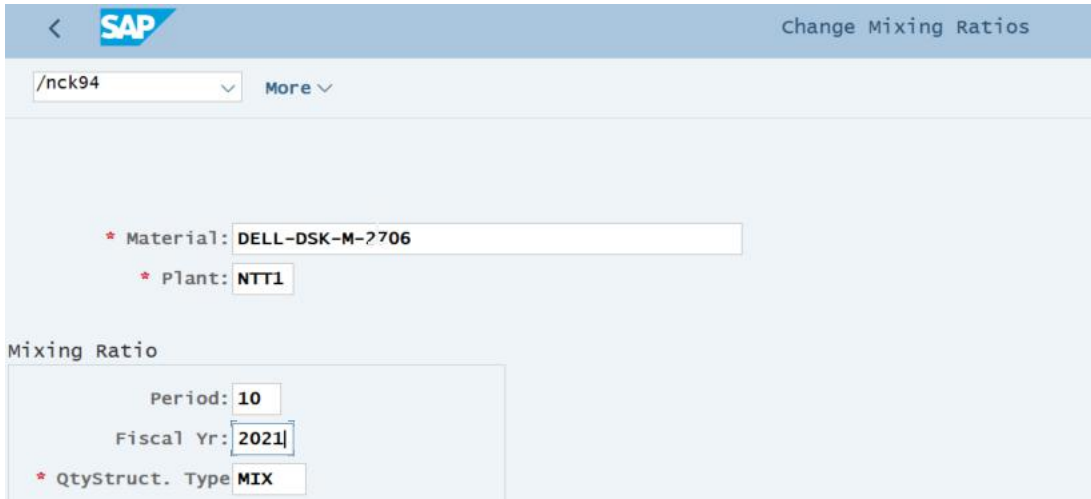
**Mixing Ratio**

Period -

Fiscal Year - 2021

QtyStrut. Type - MIX

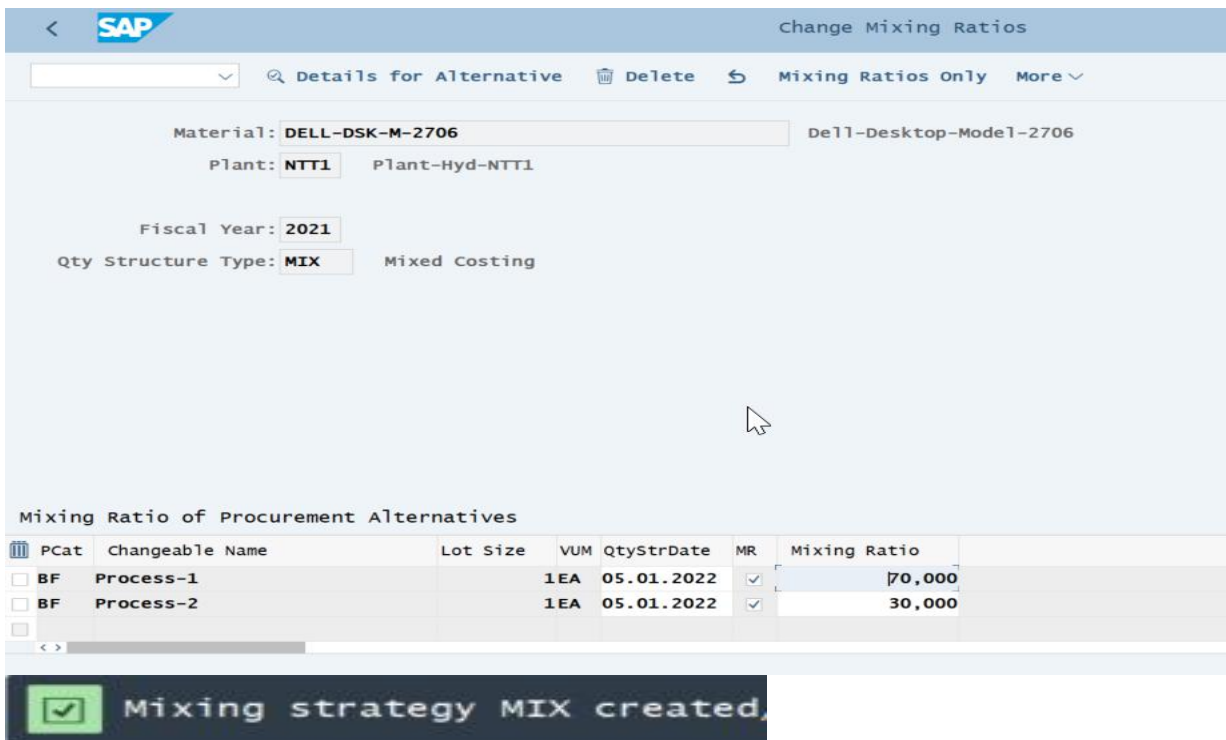




Press Enter

Here we can create the mixing ratios for the material per qty structure type. Since our Qty Structure type “MIX” is based on fiscal year, here we only need to enter the “Fiscal Year” information.

If it’s based on period, we need to create the mixing ratios for each period.



Save

**10.Display Mixing Ratios For The Procurement Alternatives - CK95**

**Material - DELL-DSK-M-2706**

**Plant - NTT1**

**Mixing Ratio**

**Period -**

**Fiscal Year - 2021**

**QtyStruct Type - MIX**

Material: **DELL-DSK-M-2706** e11-Desktop-Model-2706  
 Plant: **NTT1** Plant-Hyd-NTT1  
 Fiscal Year: **2021**  
 Qty Structure Type: **MIX** Mixed Costing

Mixing Ratio of Procurement Alternatives

PCat	Changeable Name	Lot Size	VUM	QtyStrDate	MR	Mixing Ratio
<input type="checkbox"/> BF	Process-1		1 EA	05.01.2022	<input checked="" type="checkbox"/>	70,000
<input type="checkbox"/> BF	Process-2		1 EA	05.01.2022	<input checked="" type="checkbox"/>	30,000

Here all the procurement Alt created via **CK91N** will be displayed.

And you can assign the mixing ratio to them as you want.

– **MR indicator**

Set this indicator if you want to include a procurement alternative in mixed costing. It will ensure this procurement alt will be included in a mixed costing (even with a weighting of 0).

– **Mixing Ratio**

This is the most import figure in this transaction. You can enter equivalence numbers or percentages. But if “Percent validation” is ticked for the qty structure type, the sum of the existing mixing ratios must totals 100%.

-----  
**For Process Category**

**Production**

You can choose to create procurement alternatives for **in-house production** either with production versions or by using the **BOM and Routing**.

**11. Creating Cost Estimate - CK11N**

**Material - DELL-DSK-M-2706**

Plant - NTT1

**Costing Data**

Costing Variant - N1

Costing Version - 99

Costing Size -

Transfer Control - PC01

MIX COSTING CONFIGURATION

\* Material:

\* Plant:

Val. Type:

Costing Data Dates Qty Struct.

\* Costing Variant:

Costing Version:

Costing Lot Size:

Transfer Control:

The cost estimate is being saved

**Press Enter**  
System Will Display the Following Screen

Create Material Cost Estimate with Quantity Structure

< SAP Create Material Cost Estimate with Quantity Structure

Material:  Dell-Desktop-Model-2706

Plant:

Val. Type:

Costing Data Dates Qty Struct.

\* Costing Date From:

\* Costing Date To:

\* Qty Structure Date:

\* Valuation Date:

Note - The System Will Auto Update The Dates  
Press Enter

Create Material Cost Estimate with Quantity Structure

Costing Structure Off Detail List On Hold More

Material:  Dell-Desktop-Model-2706

Plant:

Val. Type:

Mixed Costing

Costing Data Dates Qty Struct. Valuation History Costs

\* Costs Based On:   EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	2.300.100	336.600	1.963.500	INR
Cost of Goods Sold	2.300.100	336.600	1.963.500	INR
Sales and Administrat...	0,00	0,00	0,00	INR
Inventory (Commercial)	2.300.100	336.600	1.963.500	INR
Inventory (Tax-Based)	2.300.100	336.600	1.963.500	INR

**Note - Change Cost Based On - 2 price Unit**

Costing Structure

- De11-Desktop-Model-2706
  - Process-1
  - Process-2

\* Material: **DELL-DSK-M-2706** Dell-Desktop-Model-2706  
 \* Plant: **NTT1**  
 Mixed Costing  
 Val. Type:

Costing Data Dates Qty Struct. Valuation History **Costs**

\* Costs Based On: **2 Price Unit** 1 EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	23.001,00	3.366,00	19.635,00	INR
Cost of Goods Sold	23.001,00	3.366,00	19.635,00	INR
Sales and Administrat...	0,00	0,00	0,00	INR
Inventory (Commercial)	23.001,00	3.366,00	19.635,00	INR
Inventory (Tax-Based)	23.001,00	3.366,00	19.635,00	INR

1 Cost of Goods Manufactured

**Now Expand - Process-1 and Process-2**

Costing Structure

- De11-Desktop-Model-2706
  - Process-1
    - Hardware
  - Process-2
    - software

\* Material: **DELL-DSK-M-2706** Dell-Desktop-Model-2706  
 \* Plant: **NTT1**  
 Proc. Alt.: Process-1  
 Val. Type:

Costing Data Dates Qty Struct. Valuation History **Costs**

\* Costs Based On: **2 Price Unit** 1 EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	26.466,00	3.366,00	23.100,00	INR
Cost of Goods Sold	26.466,00	3.366,00	23.100,00	INR
Sales and Administrat...	0,00	0,00	0,00	INR
Inventory (Commercial)	26.466,00	3.366,00	23.100,00	INR
Inventory (Tax-Based)	26.466,00	3.366,00	23.100,00	INR

1 Cost of Goods Manufactured

**Select Process-2**

SAP Create Material Cost Estimate with Quantity Structure

Costing Structure Off Detail List On Hold More

Material: **DELL-DSK-M-2706** Dell-Desktop-Model-2706  
 Plant: **NTT1**  
 Proc. Alt.: Process-2  
 Val. Type:

Costing Data Dates Qty Struct. Valuation History **Costs**

\* Costs Based On: 2 Price Unit 1 EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	14.916,00	3.366,00	11.550,00	INR
Cost of Goods Sold	14.916,00	3.366,00	11.550,00	INR
Sales and Administrat...	0,00	0,00	0,00	INR
Inventory (Commercial)	14.916,00	3.366,00	11.550,00	INR
Inventory (Tax-Based)	14.916,00	3.366,00	11.550,00	INR

1 Cost of Goods Manufactured Partner

**Select Process-1 - Hardware**

SAP Create Material Cost Estimate with Quantity Structure

Costing Structure Off Detail List On Hold More

Material: **HARDWARE** Hardware  
 Plant: **NTT1**  
 Val. Type:

Costing Data Dates Qty Struct. Valuation History **Costs**

\* Costs Based On: 2 Price Unit 1 EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	20.000,00	0,00	20.000,00	INR
Cost of Goods Sold	20.000,00	0,00	20.000,00	INR
Sales and Administrat...	0,00	0,00	0,00	INR
Inventory (Commercial)	20.000,00	0,00	20.000,00	INR
Inventory (Tax-Based)	20.000,00	0,00	20.000,00	INR

1 Cost of Goods Manufactured Partner

Select Process-2 - Software

The screenshot shows the SAP Costing Structure configuration for Material **SOFTWARE** at Plant **NTT1**. The configuration is set to 'Costs Based On: 2 Price Unit'. The table below shows the cost components:

Cost Component View	Total	Fixed	Variable Crpy	
Cost of Goods Manufac.	10.000,00	0,00	10.000,00	INR
Cost of Goods Sold	10.000,00	0,00	10.000,00	INR
Sales and Administrat.	0,00	0,00	0,00	INR
Inventory (Commercial)	10.000,00	0,00	10.000,00	INR
Inventory (Tax-Based)	10.000,00	0,00	10.000,00	INR

**12. Analysis Report**

**Material - Dell-DSK-M-2706**

Raw Material-1 - Hardware - Cost is Rs.20,000

Process-1 Cost - 26,466

Raw Material-2 - Software - Cost is Rs.10,000

Process-2 Cost - 14,916

**Final Mixed Cost for DELL-DSK-M-2706**

Process-1 - 70% = 26,466 x 70% = 18,526.20

Process-2 - 30% = 14916 x 30% = 4,474.80

-----  
 Total = 23,001.00  
 =====

MIX COSTING CONFIGURATION

Costing Structure Off Detail List On Hold More

\* Material: DELL-DSK-M-2706 Dell-Desktop-Model-2706

\* Plant: NTT1

Val. Type:

Costing Data Dates Qty Struct. Valuation History **Costs**

\* Costs Based On: 2 Price Unit 1 EA

Cost Component View	Total	Fixed	Variable	Crcy
Cost of Goods Manufac.	23.001,00	3.366,00	19.635,00	INR
Cost of Goods Sold	23.001,00	3.366,00	19.635,00	INR
Sales and Administrat.	0,00	0,00	0,00	INR
Inventory (Commercial)	23.001,00	3.366,00	19.635,00	INR
Inventory (Tax-Based)	23.001,00	3.366,00	19.635,00	INR

**Please Check The Price Before Update  
Material - Dell-DSK-M-2706**

Change Material DELL-DSK-M-2706 (Finished Product)

Additional Data Org. Levels Check Screen Data More

Costing 1 Costing 2 Plant stock stor. loc. stock WM Execution WM Packaging Seg. valuation Data

Material: DELL-DSK-M-2706

Descr.: Dell-Desktop-Model-2706

Plant: NTT1 Plant-Hyd-NTT1

Standard Cost Estimate

Cost Estimate

Future Current Previous

Period / Fiscal Year: 0 0 0

Planned Price: 0,00 0,00

Standard price: 1,00

**Mark and Release Cost Estimation - CK24**

SAP Menu > Accounting > Controlling > Product Controlling > Product Planning > Material Costing > Price Update

MIX COSTING CONFIGURATION

Price Update: Mark Standard Price

Posting Period/Fiscal Year: 10 2021

Marking Allowance

Company Code: NTT1 to: [ ]

Plant: NTT1 to: [ ]

Material: [ ] to: [ ]

Click on **Mark Allowance**  
 Select You CoCd - NTT1  
 Give  
 Costing Variant - N1  
 Costing Version - 99

Posting Period/Fiscal Year: 10 2021

Exe	Company Code	Valuation View	Costing Version	Released
●	AR10	Legal Valuation		
●	CAPG	Legal Valuation		
●	D010	Legal Valuation		
●	DIND	Legal Valuation		
●	FBHM	Legal Valuation		
●	IRS	Legal Valuation		
●	JMTR	Legal Valuation		
■	NTT1	Legal Valuation	99	
●	SPII	Legal Valuation		

Back  
 Scroll Down  
 valuation view

Legal Valuation:

Group Valuation:

Profit Center Valuation:

Processing Options

Test Run:

with List Output:

Parallel Processing

Background Processing:

Execute



User-defined messages Price Update

Lig.	Message	Process	Msg Type	Area	Message	Message Text
			I	CK	790	***** Summary &1: *****
			I	CK	705	Of &2 materials, &1 cost estimates were updated successfully

Remove Test Run and Re-Execute

**Check The Material Price**  
**Material - Dell-DSK-M-2706**

Note - The Price is Updated in Planned Price

SAP Change Material DELL-DSK-M-2706 (Finished Product)

Additional Data Org. Levels Check Screen Data More

Costing 1 Costing 2 Plant stock Stor. loc. stck WM Execution WM Packaging Seg. Valuation Data

Material: DELL-DSK-M-2706  
 Descr.: Dell-Desktop-Model-2706  
 Plant: NTT1 Plant-Hyd-NTT1

Standard Cost Estimate

Cost Estimate	Future	Current	Previous
Period / Fiscal Year: 10 2021	0	0	0
Planned Price: 23.001,00	0,00	0,00	0,00
Standard price: 1,00			

**Back - CK24**

Click on Release and Execute

SAP Price Update: Mark Standard Price

Release Other Prices More

Posting Period/Fiscal Year: 10 2021 Marking Allowance

Company Code: NTT1 to:

Plant: NTT1 to:

Material: DELL-DSK-M-2706 to:

Execute

## MIX COSTING CONFIGURATION

**SAP** Price Update

Log created on 05.01.2022

Information 3  
Warnings  
Error  
Total 3

Material	Plnt	AppAr	MsgNo	Message Text	ItmNo
I		CKPRCH	019	Price change document 3000000337 posted	
I		CK	790	***** Summary : *****	
I		CK	705	Of 1 materials, 1 cost estimates were updated successfully	

Back - It will Display the Following Screen

Exe	Material	Plant	Valuati	Costin	Standard price	Price unit	Currency	Valuation View	Document Number	Description	Val	Le	Le
	DELL-DSK-M-2706	NTT1		FR	23.001,00	1	INR	Legal Valuati	3000000337	Dell-Desktop-Model-2706	EA	0L	10

### Check The Material Price Material - DELL-DSK-M-2706

Note - The Price is Updated From Planned Price To Standard Price

Costing 1 Costing 2 Plant stock Stor. loc. stck WM Execution WM Packaging Seg. Valuation Data

Material: DELL-DSK-M-2706  
Descr.: Dell-Desktop-Model-2706  
Plant: NTT1 Plant-Hyd-NTT1

Standard Cost Estimate

Cost Estimate	Future	Current	Previous
Period / Fiscal Year:	0	10 2021	0
Planned Price:		23.001,00	0,00
Standard price:		23.001,00	

### Create Production Order - CO01

## MIX COSTING CONFIGURATION

Production order Create: Header

Order: 100000000001 Type: NTT1  
Material: DELL-DSK-M-2706 Dell-Desktop-Model-2706 Plant: NTT1  
Status: CRTD MANC OPGN SETC

General Assignment Goods Receipt Control Dates/Qties Master Data Long Text Administration Items Fast Entry

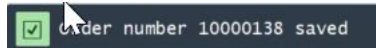
Quantities

\* Total Qty: 10 EA Scrap Portion: 0,00 %  
Delivered: 0 Short/Exc. Rcpt: 0

Dates/Times

Basic Dates		Scheduled		Confirmed	
End:	05.01.2022 24:00	05.01.2022	24:00		
Start:	05.01.2022 00:00	05.01.2022	24:00		00:00
Release:		05.01.2022			

Save



Release The Order

Once You Click the Release

### **Purchase order**

Enter a vendor and the relevant purchasing org in the initial screen.

In the cost estimate for a procurement alternative with reference to a vendor, strategy “L” (price from purchasing info record) is always automatically set to highest priority strategy.

### **You can also create an unspecified procurement alternative.**

To do this, do not enter a vendor or a purchasing organization. The material is then valued with the prices in the material master and not using the purchasing info record.

### **Subcontracting**

In this case the system will require you to enter the information on the BOM, Vendor and Purchasing org.

### **Stock transfer**

You'll be required to enter the source plant

## **1. Define The Quantity Structure Type - OMXA**

SPRO > Img > Controlling > Product Cost Controlling > Product Cost Planning > Selected Function in Material Costing > Mixed Costing > Define Quantity Structure Types > Define Quantity Structure Types for Mixed Costing > New Entries

QtStT	Time Depend...	Perc.Valid	Name
<input type="checkbox"/> MIX	1	<input checked="" type="checkbox"/>	Mixed Costing

**Time Dependency**

This controls the time period in which the quantity structure will be used. It can be time independent, based on fiscal year, or based on each period.

**Percent validation**

Tick this indicator if you want to ensure that the sum of the existing mixing ratios for a material and quantity structure type totals to 100%.

**2. Define Costing Version**

SPRO > Img > Controlling > Product Cost Controlling > Product Cost Planning > Selected Function in Material Costing > Mixed Costing > Define Costing Version > New Entries

Costing Version	Costing Type	Valuation Variant	Varia...	Exch....	Qty S...	Description
<input type="checkbox"/> 01	01					Standard CE Version
<input type="checkbox"/> 1	19				MIX	Standard CE Version
<input type="checkbox"/> 99	01	001			MIX	

The mixed costing will be called with the qty structure type MIX, when costing version = 1 & costing type = 19, or when costing version = 99 & costing type = 01 & valuation variant = 001.



The system will not do mixed costing for the other combinations of costing version & costing type & valuation variant.

**In this transaction, you can also define:**







- Variant for transfer price determination
- Exchange rate type for currency translation

The configuration for the costing version can also be checked via costing variant configuration (**OKKN**).





It's a more convenient way as the configuration is based on the combination.

Costing Variant:    












**Control**   Qty Struct.   Additive Costs   Update   Assignments   Misc.

Costing Type		01 Standard Cost Est. (Mat.)	▼
Valuation Variant		001 Planned Valuation: Mat-N1	▼
Date Control		PC01 Std Cost Est. - Month	▼
Qty Struct. Control		PC01 Std Qty Structure Ctr1 2	▼
Transfer Control		PC01 Transfer w/ Plant Change	▼
Reference Variant			▼

In the Assignment tab, click the costing version button.

Cost Component Structure	
Costing Version	
Cost Comp. Split in Contr. Area Currency	
Cross-Company Costing	

**Assigned costing versions**

Costing Version	Variant fo...	Exch. R...	QtyStruct. Ty...	Description
88				Version w/o Customizing
89				Version w/o Customizing
90				Version w/o Customizing
91				Version w/o Customizing
92				Version w/o Customizing
93				Version w/o Customizing
94				Version w/o Customizing
95				Version w/o Customizing
96				Version w/o Customizing
97				Version w/o Customizing
98				Version w/o Customizing
99			MIX	

You'll see for the costing variant PPC1 (costing type 01, valuation variant 001), costing version 99 is assigned the qty structure type "MIX".

## MIX COSTING CONFIGURATION

Costing Structure Off Detail List Off Hold More

Material: **DELL-DSK-M-2700** Dell-Desktop-Model-2700  
 Plant: **NTT1**  
 Val. Type:

Costs Based On: **1 Costing Lot Size** 1 EA

Itemization for material DELL-DSK-M-2700 in p

ItmNo	ItResource	Cost Eleme	Total Value	Fixed Value	COCr	Quar
2	M NTT1 HARDWARE	400000	20.000,00	0,00	INR	
3	M NTT1 SOFTWARE	400000	10.000,00	0,00	INR	
4	E PACKING PAKING PACKIN	970002	1.020,00	1.020,00	INR	
5	E QUALITY QUALITY QUALIT	970002	1.020,00	1.020,00	INR	
6	G NI-PROCURE 980000	980000	1.500,00	0,00	INR	
7	G COMM CC 980001	980001	3.456,00	306,00	INR	
			<b>38.016,00</b>	<b>3.366,00</b>	<b>INR</b>	

### Check The Material Master - The Amount is not yet updated

Change Material DELL-DSK-M-2700 (Finished Product)

Additional Data Org. Levels Check Screen Data More

Costing 1 Costing 2 Plant stock Stor. loc. stck WM Execution WM Packaging Seg. Valuation Data

Material: **DELL-DSK-M-2700**  
 Descr.: **Dell-Desktop-Model-2700**  
 Plant: **NTT1** Plant-Hyd-NTT1

Standard Cost Estimate

Cost Estimate Future Current Previous

Period / Fiscal Year: 0 0 0

Planned Price: 0,00 0,00 0,00

Standard price: 0,00

Material - DELL-DSK-M-2700

### Costing Data

Costing Variant - N1

Costing Version - **99**

Costing Size -

Transfer Control - PC01

MIX COSTING CONFIGURATION

\* Material:  

\* Plant:

Val. Type:

Costing Data    Dates    Qty Struct.

\* Costing Variant:

Costing Version:

Costing Lot Size:

Transfer Control:

Press Enter

Costing Data    Dates    Qty Struct.

\* Costing Date From:


\* Costing Date To:

\* Qty Structure Date:

\* Valuation Date:

Press Enter

Note - The System will Auto Update the Current System Date

 Create Material Cost Estimate with Quantity Structure

Costing Structure Off    Detail List Off    Hold    More

\* Material:     Dell-Desktop-Model-2600

\* Plant:

Val. Type:

Mixed Costing

Costing Data    Dates    Qty Struct.    Valuation    History    Costs

Itemization for material DELL-DSK-M-2600 in p

ItmNo	ItResource	Procurement	Alter	Cost Eleme	Total Value	Fixed Value	COCr	Quantity	Un
1	M NTT1 DELL-DSK-M-2600	BOM:1/01	Routing:N/.	400003	2.105.940	26.940	INR	60	EA
2	M NTT1 DELL-DSK-M-2600	BOM:1/02	Routing:N/.	400003	2.789.960	17.960	INR	40	EA
					4.895.900	44.900	INR		

Scroll Down above First Screen - To get the below values

# MIX COSTING CONFIGURATION

Create Material Cost Estimate with Quantity Structure

Costing Structure Off Detail List Off Hold More

Inventory (Tax-Based) 4.895.900 44.900 4.851.000 INR

1 Cost of Goods Manufactured

Itemization for material DELL-DSK-M-2600 in p

ItmNo	ItResource	Procurement Alter	Cost Element	Total Value	Fixed Value	COCr	Quantity	Un
1	M NTT1 DELL-DSK-M-2600	BOM:1/01 Routing:N/..	400003	2.105.940	26.940	INR	60	EA
2	M NTT1 DELL-DSK-M-2600	BOM:1/02 Routing:N/..	400003	2.789.960	17.960	INR	40	EA
				- 4.895.900	- 44.900	INR		

## Select and Double Click on - Process-1

Cost Component View

	Total	Fixed	Variable	Crcy
Cost of Goods Manufac...	35.099	449	34.650	INR
Cost of Goods Sold	35.099	449	34.650	INR
Sales and Administrat...	0	0	0	INR
Inventory (Commercial)	35.099	449	34.650	INR
Inventory (Tax-Based)	35.099	449	34.650	INR

Itemization for material DELL-DSK-M-2600 in p

ItmNo	ItResource	Cost Eleme	Total Value	Fixed Value	COCr	Quantity	Un	
1	E ASSEMBLING ASSEMBLI ASSEMB	970002	102	102	INR	1	MIN	
2	M NTT1 HARDWARE	400000	20.000	0	INR	1	EA	
3	M NTT1 SOFTWARE	400000	10.000	0	INR	1	EA	
4	E QUALITY QUALITY QUALIT	970002	204	204	INR	1	MIN	
5	E PACKING PAKING PACKIN	970002	102	102	INR	1	MIN	
6	G N1-PROCURE 980000	980000	1.500	0	INR			
7	G COMM CC 980001	980001	3.191	41	INR			
				- 35.099	- 449	INR		

## Select Process and Double Click



# MIX COSTING CONFIGURATION

SAP Create Material Cost Estimate with Quantity Structure

Costing Structure Off Detail List Off Hold More

Cost Component View

	Total	Fixed	Variable Crcy
Cost of Goods Manufac...	69.749	449	69.300 INR
Cost of Goods Sold	69.749	449	69.300 INR
Sales and Administrat...	0	0	0 INR
Inventory (Commercial)	69.749	449	69.300 INR
Inventory (Tax-Based)	69.749	449	69.300 INR

Itemization for material DELL-DSK-M-2600 in p

ItmNo	ItResource	Cost Eleme	Total Value	Fixed Value	COCr	Quantity	Un
1	E ASSEMBLING ASSEMBLI ASSEMB	970002	102	102	INR	1	MIN
2	M NTT1 HARDWARE	400000	40.000	0	INR	2	EA
3	M NTT1 SOFTWARE	400000	20.000	0	INR	2	EA
4	E PACKING PAKING PACKIN	970002	102	102	INR	1	MIN
5	E QUALITY QUALITY QUALIT	970002	204	204	INR	1	MIN
6	G N1-PROCURE 980000	980000	3.000	0	INR		
7	G COMM CC 980001	980001	6.341	41	INR		
			69.749	449	INR		