

Doggonit! Why is my Cost Rollup Taking So Long and Why Do I Have So Many Item Cost Problems?

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June 17-20
Las Vegas

Cost Training Class – Oracle EBS R12

- 1: Cost Management Introduction
- 2: General Oracle Navigation and Training
- 3: Costing Structural Overview
- 4: Costing Security
- 5: Item Costing Setup
- 6: Buy Item Costing for Avg and Std Costing
- 7: More4Apps Item Cost Wizard
- 8: Cost Rollup And Item Cost Review
- 9: Update Average and Standard Costs
- 10: Copying and Editing Costs
- 11: Purging Costs, Cost Rollups and Cost Update History
- 12: Cost Accounting Transactions Setup
- 13: COGS Accounting Solutions
- 14: Intercompany Transactions Setup
- 15: Receiving Accounting Transactions
- 16: Inventory (Avg and Std) Cost Accounting Transactions
- 17: Intercompany Cost Accounting Transactions
- 18: COGS Recognition and Margin Analysis
- 19: Average and Standard Cost Variances
- 20: View Receiving, Inventory and WIP Accounting Transactions
- 21: How to Setup, Transact and Use Outside Processing
- 22: Analyze and Close WIP Jobs
- 23: Review Pending and Uncosted Transactions
- 24: Create Accounting, Period Open & Close
- 25: Inventory Reconciliation and Reporting
- 26: ICP/PII Tracking and Reporting
- 27: A/P Accruals
- 28: Custom/Blitz Reporting
- 29: Cost Accounting Checklists
- 30: Year-End Tasks
- 31: Appendix
- 32: Periodic Costing

Learning Points

- ❑ Learn how the discrete cost rollup works
- ❑ Roll up costing for resources, resource (production overheads) and outside processing
- ❑ Discover common reasons why the cost rollup takes too long
- ❑ Review available error-checking reports for common cost rollup and item costing setup errors

Agenda: Doggonit! Why is my Cost Rollup Taking So Long and Why Do I Have So Many Item Cost Problems?

□ Cost Rollup Setups, Cost Rollup Overview and Error Checking

- Item Cost and Cost Rollup Setups
- Cost Rollup Overview and Process
- Why You May Have Incorrect Rolled Up Costs
- Three Reasons Why Supply Chain Cost Rollup May be Slow
- Cost Rollup Reports
- Summary

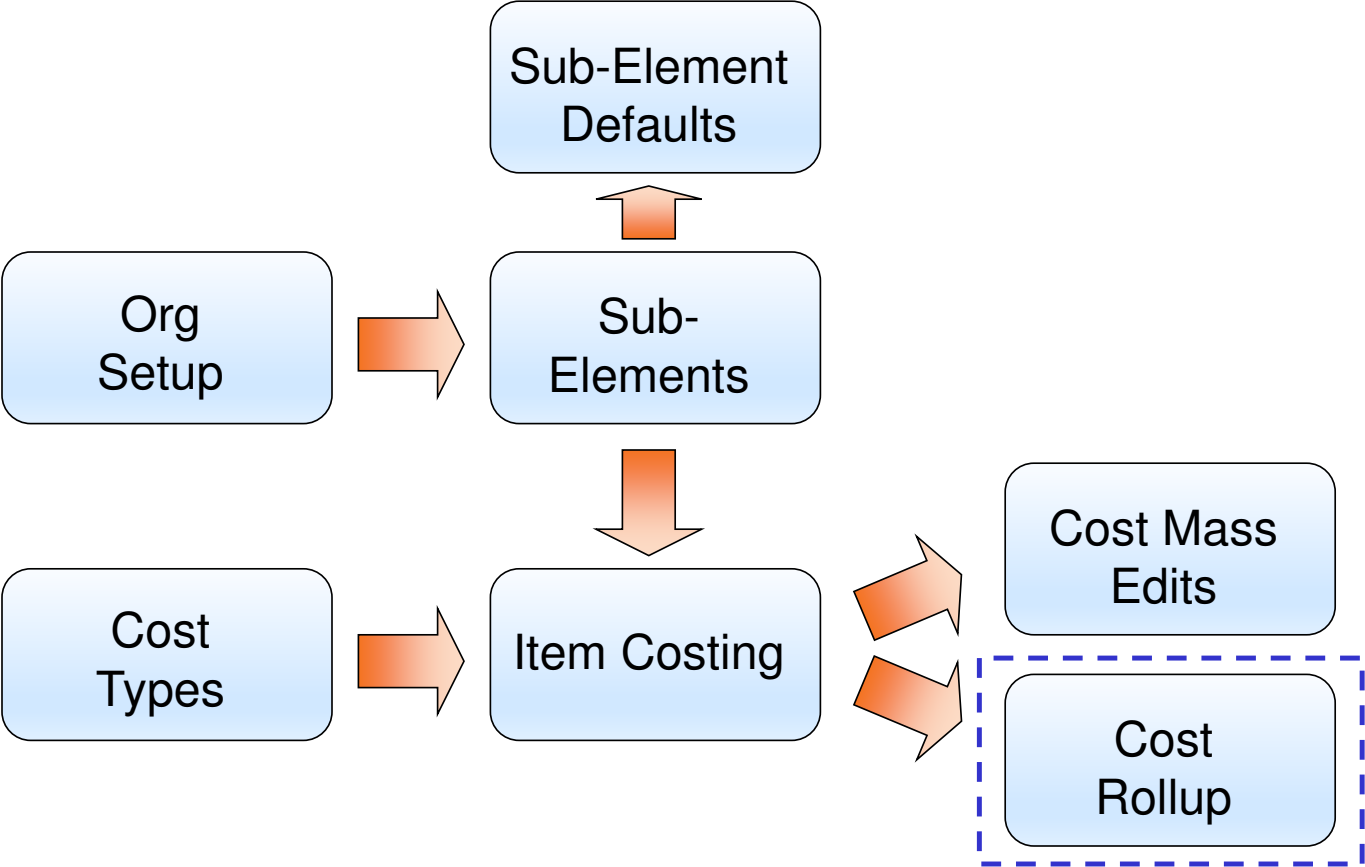
□ Appendix

- Effectivity Date Example
- Sourcing Rules and Assignment Sets
- Standard Oracle Item Cost Inquiries and Reports

Item Cost and Cost Rollup Setups

- Item Costing Setup Overview
- Report Profile for Quantity Decimal Precision
- Cost Type Setup
- Cost Sub-Elements
- BOM Parameter Setup
- Define Departments and Overheads
- Define Routings
- Define Bills of Material
- Cost Rollup Three-Way Association
- Item Cost Controls

Item Costing Setup Overview



Report Profile for Quantity Decimal Precision

Menu path: Cost Management => Setup => Profiles => INV: Dynamic Precision Option for Quantity

[illegible]

This profile governs the Inventory, BOM, WIP and Costing report precision for quantities (but not used on Purchasing Reports)

Cost Setup - Cost Type Definition – Standard Costing

Menu path: Cost Management => Setup => Cost Types

The screenshot shows the 'Cost Types (M1)' window with the following fields and options:

- Cost Type: Pending
- Description: Pending Standard Cost Type
- Default Cost Type: Frozen
- Inactive On: []
- ☒ Multi-Org
- ☒ Allow Updates
- ☒ Available To Engineering
- Rollup Options**
 - ☒ Component Yield
 - ☐ Snapshot Bills
 - Alternate: []
- Previous Level Rollup Options**
 - ☒ Element
 - ☒ Sub-Element
 - ☐ Activity
 - ☒ Operation

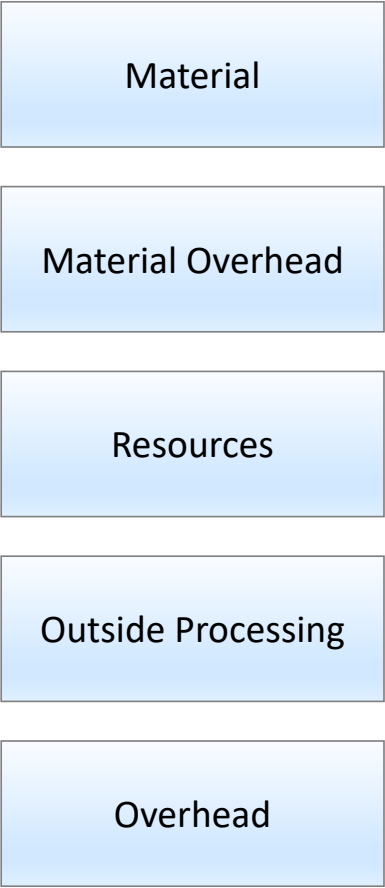
Great for indented bill of material cost history reporting

Need to check this box

- Choose Multi-Org so all inventory organizations can share the name
- Snapshot Bills for history reporting (Advanced Planning sees the costing bills)
- Choose “Sub-Element” for the Previous Level Rollup Option
- “Inactive On” controls date availability various forms and lookups

Cost Elements

- What Types?
- How Many?
- Limitations?
- What For?



Cost Setup – Sub-Elements

Menu path: Cost Management => Setup => Sub-Elements => Material

Material

Material Subelements (M1)

Defaults

Expenditure Type

Material	Description	Default Activity	Default Basis	Inactive On	[]
Material	Material Sub Element		Item		
Plastic	Plastic Sub Element		Item		

→Tip: With Standard Costing, use multiple material sub-elements to identify types of materials

Cost Setup – Sub-Elements

Menu path: Cost Management => Setup => Sub-Elements => Overhead

Material Overheads

Overheads (M1)

Overhead

Mat'lHndlg

Cost Element

Material Overhead

Description

Material Handling

Absorption Account

01-520-5360-0000-000

Default Basis

Total Value

Default Activity

Expenditure Type

Inactive On

Resources

Rates

Cost element determines the type of overhead

Same Form used for material overhead and production overheads

Cost Setup – Sub-Elements

Menu path: Cost Management => Setup => Sub-Elements => Resources

Resources

To directly earn resources at standard use Autocharge Type “WIP Move”

Resources can be costed or not costed. Not costed resources are used for scheduling

Resources (M1)

Resource: LBR-PACK Inactive On:

Description: Packing Labor

Type: Person UOM: HR

Charge Type: WIP Move Basis: Item

Expenditure Type:

Supply Subinventory: Supply Locator:

☐ Outside Processing

Item:

☒ Costed

Activity: ☐ Standard Rate

Absorption Account: 01-520-5810-0000-000

Variance Account: 01-520-5380-0000-000

Overheads Rates

Skills

Competence:

Skill Level:

Qualification:

☐ Batchable

Minimum Batch Capacity:

Maximum Batch Capacity:

Batch Capacity UOM:

Batching Window:

UOM:

Machine Down Codes Employees Equipment Setups

Cost Setup – Sub-Elements

Menu path: Cost Management => Setup => Sub-Elements => Resources

OSP Resources

Standard Rate
is checked -
WIP jobs will
be charged at
std unit cost

If Standard
Rate not is
checked - WIP
jobs will be
charged at the
PO unit price.

The screenshot shows the 'Resources (M1)' window in Oracle. The 'Resource' field is set to 'ANODIZE' and 'Inactive On' is '14-AUG-1997'. The 'Description' is 'Anodize Outside Process'. The 'Type' is 'Currency' and 'UOM' is 'USD'. The 'Charge Type' is 'PO Move' and 'Basis' is 'Item'. The 'Expenditure Type' is empty. The 'Supply Subinventory' and 'Supply Locator' are empty. The 'Outside Processing' checkbox is checked, with 'Item' set to 'OP98997' and 'Anodizing Outside Process'. The 'Costed' checkbox is checked, with 'Activity' empty, 'Standard Rate' checked, 'Absorption Account' set to '01-520-5810-0000-000', and 'Variance Account' set to '01-520-5380-0000-000'. The 'Batchable' checkbox is unchecked. The 'Skills' section has 'Competence', 'Skill Level', and 'Qualification' fields. The 'Batching Window' and 'UOM' fields are empty. The 'Machine Down Codes', 'Employees', 'Equipment', and 'Setups' buttons are at the bottom.

Cost Setup – Sub-Elements

Menu path: Cost Management => Setup => Sub-Elements => Overheads

Production Overhead Rates – for the Cost Rollup

Overheads (M1)

Overhead: Mgmt

Cost Element: Overhead

Description: Management Overhead

Absorption Account: 01-520-7405-0000-000

Default Basis: Resource Value

Default Activity:

Expenditure Type:

Inactive On:

Resources Rates

Same form sets up material overheads and departmental overheads

BOM Parameters (BOM Responsibility)

Menu path: Bills of Material => Setup => Parameters

Parameters (M1)

Max Bill Levels10

Configuration Options

Inactive StatusInactive

Numbering SegmentItem

Numbering MethodAppend with sequence

Create Lower Level SupplyNo

Config BOM Creation Allowed☒

☐ Use Phantom Routings

☒ Inherit Phantom Op Se

Parameters (D2)

Max Bill Levels10

Configuration Options

Inactive Status

Numbering Segment

Numbering MethodAppend with sequence

Create Lower Level SupplyNo

Config BOM Creation Allowed☒

Include Model/Option Class Items in Lead Time Rollup☐

☐ Use Phantom Routings

☒ Inherit Phantom Op Seq

To run the Supply Chain Cost Rollup, BOM parameters need to be defined – including Distribution Orgs if using sourcing rules

BOM Parameters and Phantoms (BOM Responsibility)

Menu path: Bills of Material => Setup => Parameters

The screenshot shows the 'Parameters (M1)' window in Oracle. The 'Max Bill Levels' is set to 10. Under 'Configuration Options', 'Inactive Status' is 'Inactive', 'Numbering Segment' is 'Item', 'Numbering Method' is 'Append with sequence', and 'Create Lower Level Supply' is 'No'. 'Config BOM Creation Allowed' is checked, and 'Include Model/Option Class Items in Lead Time Rollup' is unchecked. At the bottom, 'Use Phantom Routings' is unchecked and 'Inherit Phantom Op Seq' is checked.

- Use Phantom Routings: if the parameter is set to No, the phantom's resource cost will not be included at all. If you set to Yes, the phantom's resource cost will be included but will disregard the lot size on the phantom.
- **Warning:** phantom items must have a basis type of Item; will not roll up if the basis type is Lot.

Define Departments (BOM Responsibility)

Menu path: Bills of Material => Routings => Departments

Departments (M1)

Department

ASSEMBLY

Description

Assembly Department

Class

Production

Production Departments

Location

M1- Seattle Mfg

Seattle Mfg Plant 1 used in Operations SoB

Project Expenditure Org

Inactive On

[]

Rates

Resources

Assign Resources to Departments (BOM Responsibility)

Menu path: Bills of Material => Routings => Departments Form => Resources Button

Resources (M1) - ASSEMBLY

Owned

Main

Planning

Resource	Description	Available 24 Hours	Share	UOM	Units	Check CTP	Group	Schedule by Instance
<input checked="" type="checkbox"/> DL-LBR1	Labor Resource -	<input type="checkbox"/>	<input type="checkbox"/>	HR	80	<input checked="" type="checkbox"/>	OVRFLWLBF	<input checked="" type="checkbox"/>
<input type="checkbox"/> DL-LBR2	Labor Resource -	<input type="checkbox"/>	<input type="checkbox"/>	HR	48	<input checked="" type="checkbox"/>	OVRFLWLBF	<input checked="" type="checkbox"/>
<input type="checkbox"/> FINAL ASSM	Final Assembly L	<input type="checkbox"/>	<input type="checkbox"/>	HR	1	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/> KASSM	Kit Assembly Lak	<input type="checkbox"/>	<input type="checkbox"/>	HR	1	<input type="checkbox"/>		<input type="checkbox"/>
<input type="checkbox"/> LBR-ASSY	Assembly Labor	<input type="checkbox"/>	<input type="checkbox"/>	HR	1	<input checked="" type="checkbox"/>	OVRFLWLBF	<input checked="" type="checkbox"/>

Instances

Tolerance Fences

Shifts

Borrowed Resource

	Description	Owning Department	UOM	Units	Check CTP	Group
<input checked="" type="checkbox"/>					<input type="checkbox"/>	
<input type="checkbox"/>					<input type="checkbox"/>	
<input type="checkbox"/>					<input type="checkbox"/>	
<input type="checkbox"/>					<input type="checkbox"/>	

Enables the valid resources for each department

Define Departments (BOM Responsibility)

Menu path: Bills of Material => Routings => Departments

Departments (M1)

Department

ASSEMBLY

Description

Assembly Department

Class

Production

Production Departments

Location

M1- Seattle Mfg

Seattle Mfg Plant 1 used in Operations SoB

Project Expenditure Org

Inactive On

[]

Rates

Resurces

Assign Department Overhead Rates (BOM or Cost Responsibility)

Menu path: Bills of Material => Routings => Departments Form => Rates Button

Menu path: Cost Management => Setup => Sub-Elements => Overheads

Overhead Rates (M1) - ASSEMBLY

Cost Types

Cost Type

Description

Frozen

Frozen Standard Cost Type

Pending

Pending Standard Cost Type

Simulation

Simulation Cost Type

Allow Updates

☐

☒

☒

Overhead Rates

Overhead	Description	Activity	Basis	Rate or Amount	
<input type="checkbox"/> Facility	Facility Overhead		Item	0.10000	
<input type="checkbox"/> Indirect	Indirect Overhead		Resource Value	0.15000	
<input type="checkbox"/> MfgMgmt	Manufacturing Manageme		Resource Unit	10.00000	
<input checked="" type="checkbox"/> Mgmt	Management Overhead		Resource Value	0.03000	
<input type="checkbox"/> PreMaint	Preventive Maintenance		Lot	1.00000	

Sets up which overheads can be earned in each department

Assign Overheads to Resources (Cost Responsibility)

Menu path: Cost Management => Setup => Sub-Elements => Overheads => Resources Button

Menu path: Cost Management => Setup => Sub-Elements => Resources => Overhead Button

The screenshot shows two Oracle Cost Management windows. The 'Overheads (M1)' window on the left has the following fields: Overhead (Mgmt), Cost Element (Overhead), Description (Management Overhead), Absorption Account (01-520-7405-0000-000), Default Basis (Resource Value), Default Activity, Expenditure Type, and Inactive On. A blue button labeled 'Resources' is at the bottom right. A blue arrow points from this button to the 'Resource Overhead Associations (M1) - Mgmt' window on the right. This second window has a 'Cost Types' section with a table:

Cost Type	Description	Allow Updates
Frozen	Frozen Standard Cost Type	<input type="checkbox"/>
Pending	Pending Standard Cost Type	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Below this is the 'Resource Overhead Associations' section with a table:

Resource	Description	
DRILL	Drill Press	<input type="checkbox"/>
GRINDER	Plastic Grinding Machine	<input type="checkbox"/>
INJECTMOLD	Injection Molding Machine	<input type="checkbox"/>
PRESSBRAKE	Press Brake	<input type="checkbox"/>
SHEAR	Shearing Machine	<input type="checkbox"/>

Sets up which overheads can be earned by which resources

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings

Item

AS54888

Sentinel Standard Desktop

UOM

Ea

Alternate

☐ Capable To Promise

Revision

D

Date

24-SEP-2018 05:01:28

[Ro]

Display

Future and Current

☒ Implemented Only

Operations

Main

Date Effectivity

WIP

Operation Yield

ECO

Description

Referenced

Seq	Code		Effectivity Date	Disable Date
10	SDAS	<input type="checkbox"/>	24-JAN-2017 14:44:00	
20	SBAS	<input type="checkbox"/>	09-JAN-2017 10:00:00	
30	SFAS	<input type="checkbox"/>	09-JAN-2017 09:01:20	
40	STST	<input type="checkbox"/>	09-APR-1997 00:00:00	
50		<input type="checkbox"/>	11-JAN-2017 00:00:00	

Effectivity date determines which operations will be used by the Cost Rollup

Routing Details

Routing Revisions

Define Bills of Material (BOM Responsibility)

Menu path: Bills of Material => Bills

Bills of Material (M1)

ItemAS54888Sentinel Standard DesktopUOMEa

Alternate

RevisionA

Date05-MAY-2012 09:13:30

DisplayFuture and Current

☒ Implemented Only

MainDate EffectivityUnit EffectivityECOComponent DetailsMaterial ControlOrder Management

Item Seq

Operation Seq

Component

Item Description

Revision

UOM

Basis

1050SB32982Manual SetA EaItem

2060CM15138Monitor - 17"A EaItem

3060CM18759Keyboard - 101 KeyA EaItem

4060CM28287Optiball Wireless MouseA EaItem

5060CM42047Power CordA EaItem

Substitutes

Designators

Operations

Bill Details

Revision

Define Bills of Material (BOM Responsibility)

Menu path: Bills of Material => Bills

Bills of Material (M1)

ItemAS54888Sentinel Standard DesktopUOMEa

Alternate

RevisionFDate24-SEP-2018 05:06:44[11]

DisplayFuture and CurrentImplemented Only

MainDate EffectivityUnit EffectivityECOComponent DetailsMaterial ControlOrder ManagementPurchasing

Item Seq

Operation Seq

Component

From

To

[]

1250SB3298212-OCT-2016 00:00:00

3050CM1875911-OCT-2016 00:00:00

4050CM2828720-OCT-2016 20:00:00

5050CM4204712-OCT-2016 00:00:00

6050CM8632413-OCT-2016 00:00:00

111111

Substitutes


Designators

Operations

Bill Details

Revision

Effectivity date determines which components will be used by the Cost Rollup

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Slide 26

Where Can You See BOMs and Routings (Cost Management Responsibility)

Menu path: Cost Management - SLA => Operational Analysis => Bills
Menu path: Cost Management - SLA => Operational Analysis => Routings

Navigator - Cost Management - SLA

Functions Documents

Operational Analysis:

Operational Analysis

+ Accounting Close Cycle

+ Discrete Jobs

+ Accrual Write-Offs

+ View Transactions

- Operational Analysis

+ Material

+ Purchases

- Bills

Bills

Comparison

Item Usages

- Routings

Routings

Standard Operations

Departments

Resource Usage

View Bills of Material (M1)

Item AS54888 Sentinel Standard Desktop UOM Ea

Alternate

Revision A Date 15.NOV.2023 17:28:43

Display Future and Current Implemented Only

Main Date Effectivity Unit Effectivity ECO Com

Item Seq

Operation Seq

Component

Item Des

10 50 SB32982 Manual S

20 60 CM15138 Monitor -

30 60 CM18759 Keyboard

40 60 CM28287 Optiball V

50 60 CM42047 Power C

Substitutes

Designators

Routings (M1)

Item AS54888 Sentinel Standard Desktop UOM Ea

Alternate

Revision A Date 15.NOV.2023 17:29:27

Display Future and Current Implemented Only

Operations

Main Date Effectivity WIP Operation Yield ECO Description

Referenced

Seq Code Department Option Dependent Lead Time %

10 SDAS ASSEMBLY 0

20 SBAS ASSEMBLY 2.87

30 SFAS ASSEMBLY 5.74

40 STST TESTING 35.89

50 DSAS PACKING 64.59

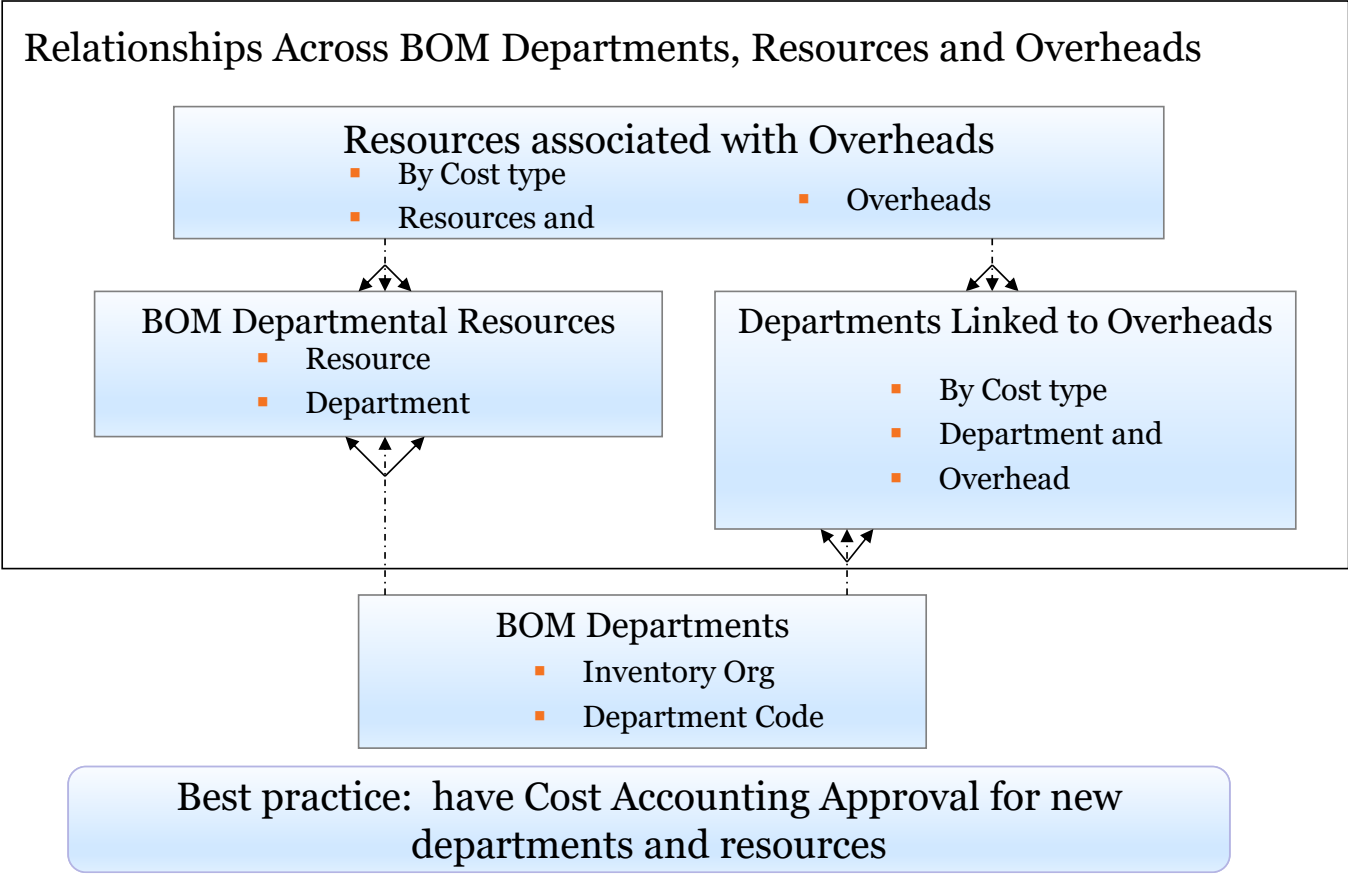
Routing Details

Routing Revisions

Operation Resources

Operation Competencies

Cost Rollup Three-Way Association



How to Check if Resource and Overhead Setups OK?

Relationships Across BOM Departments, Resources and Overheads

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Department Report	CAC Department Overhead Setup	List overheads by dept, with rates
Resource Report	CAC Resource Costs	See all your resource rates
N/A	CAC Resources Associated with Overheads Setup	See resources associated with ovhds and overheads not set up by dept
Department Report	CAC Resources by Department Setup	See resources by Department
N/A	CAC Department Overhead Setup Errors	Find overheads not set up by dept

Item Cost Controls by Cost Type

Menu path: Cost Management – SLA => Item Costs => Item Costs => Open

Item Costs Details (M1)

Item

CM51562

PC Bag - Double Sided, Leather

UOM

Ea

Cost Type

Pending

Pending Standard Cost Type

Default Cost Type

Frozen

☐ Use Default Cost Controls

Cost Controls

☒ Inventory Asset

☐ Based On Rollup

Lot Size

1

MFG Shrinkage Rate

0

[]

Cost Information

Material

50.00000

Material Overhead

Resource

Outside Processing

Overhead

Unit Cost

50.00000

COGS Account

01-520-5110-0000-000

Sales Account

01-520-4110-0000-000

Cost Category

ACCESSORY.CASES

Quantity

750

Extended Value

37,500.00

Last PO Price

0.00000

Invoice Price

95.00000

Make/Buy

Buy

☒ Include In Rollup

Views

Costs

Item Cost Controls – By Cost Type

- ❑ **Costing Enabled**
 - Checked (yes) means the item is available for item costing
 - Unchecked (no) means the item may not hold a cost at all

- ❑ **Inventory Asset**
 - Checked (yes) means the item is costed
 - Unchecked (no) means the item does not hold costs (but you can change this via the Cost Update)

- ❑ **Based on Rollup**
 - Determines if the cost comes from the cost rollup
 - Used for items sourced from another org or
 - Used for items whose costs come from a bill or routing

Item Cost Controls – By Cost Type

■ Use Default Cost Controls

- Determines if cost controls are defaulted for rolled up items
 - When set to **Yes**, the Cost Rollup replaces any previously rolled up costs and uses information from the default cost type
 - When set to **No**, the Cost Rollup still replaces any previously rolled up costs, but it only uses information from the rolled-up cost type
- If **Use Default Controls** is **Yes** the form also prevents you from changing your item controls or costs (because it is defaulted)

Item Cost Controls – By Cost Type

- ❑ **Use Default Cost Controls to:**
 - Avoid rolling up obsolete or inactive items
 - Set the **Use Default Controls** to **No** and change the **Based on Rollup flag** to **No** (so the Cost Rollup then ignores the item)
 - Manually enter assembly costs
 - Change the **Use Default Controls** to **No** to be able to manually enter item costs for your rolled up items

- ❑ **Lot Size Controls**
 - Costing has a lot size separate from planning
 - Used to calculate item costs with a basis type of lot (amount / lot size)
 - With Standard Costing you change the Frozen lot size by using the Standard Cost Update

MFG Shrinkage Rate – By Cost Type

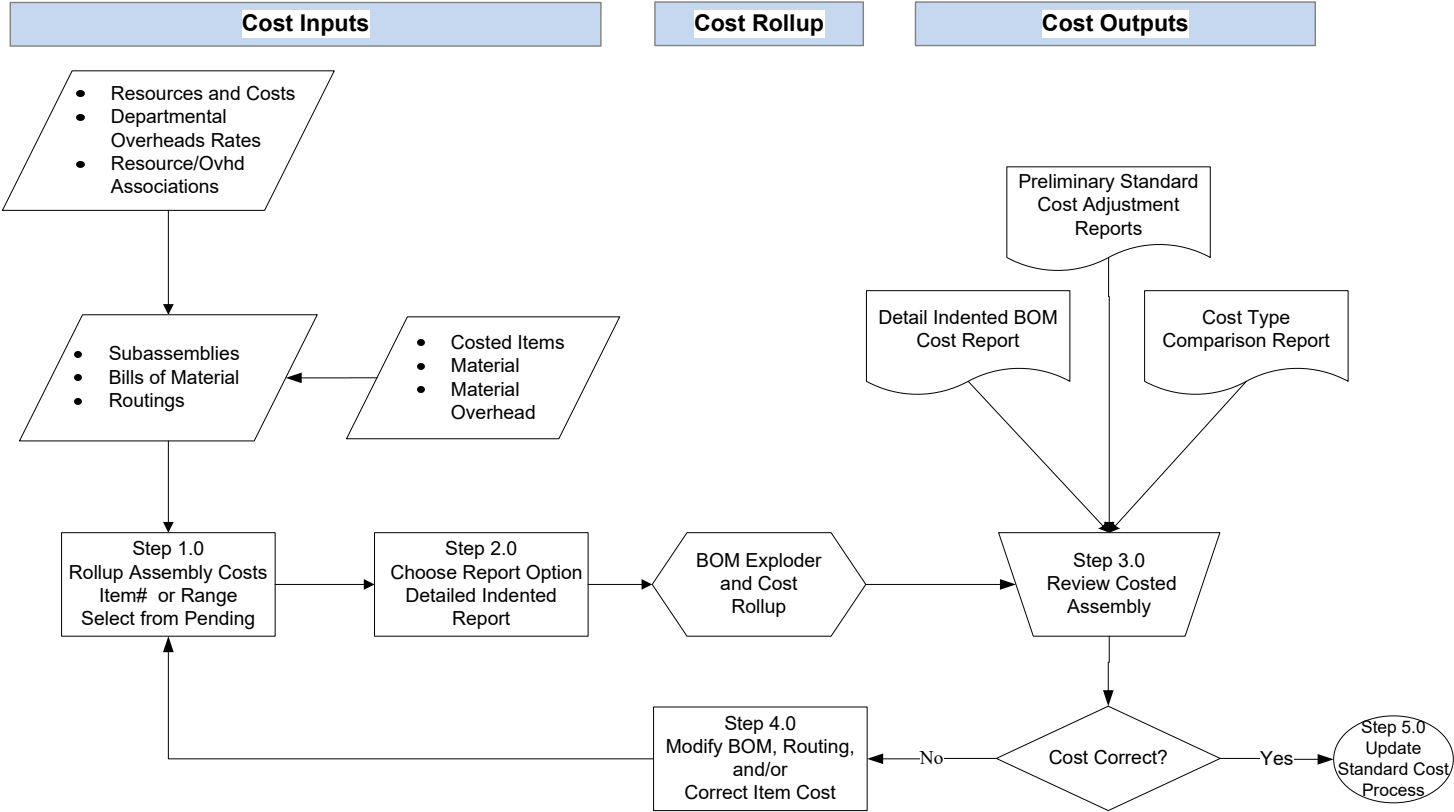
□ Used for Assembly Cost Rollups

- Used to indicate the overall shrinkage or loss for the assembly
- Not used on buy items
- If you have no shrinkage the value is 0 (zero)
- The shrink factor is a derived number, representing the effect the MFG shrinkage rate has on the cost of the item. The formula is:
$$1/(1-\text{MFG shrinkage rate})$$
- Shrinkage factors affect and change all of the component costs from the assembly to the bottom of the bill of material

Cost Rollup Overview and Process

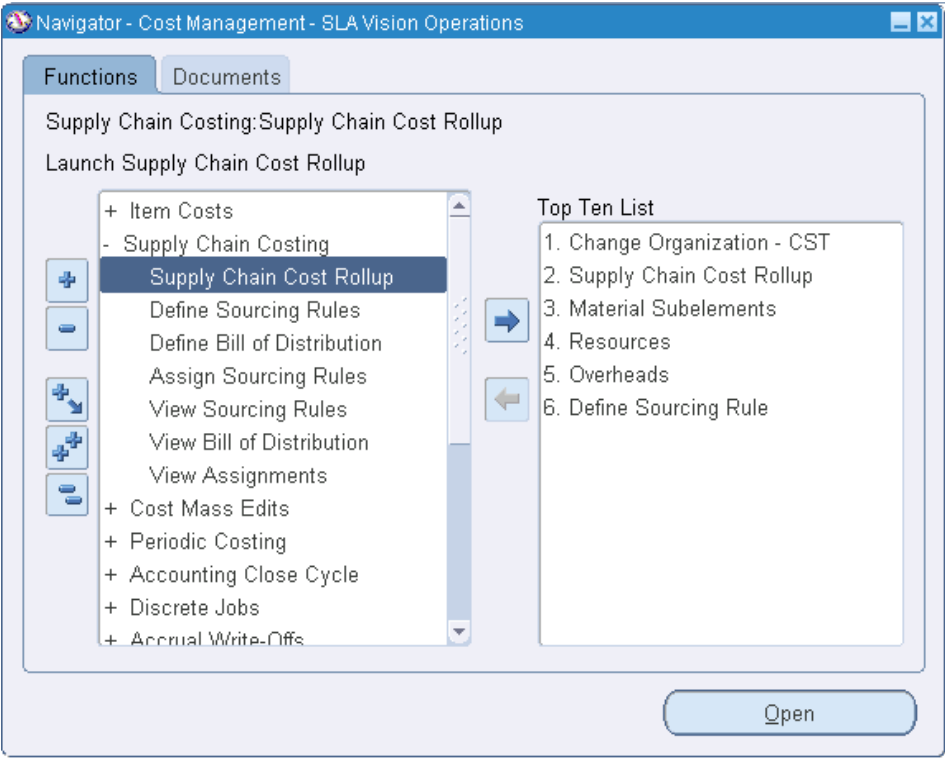
- Cost Rollup Overview
- Cost Rollup Example

Cost Rollup – Overall Process



Supply Chain Cost Rollup Example

Menu path: Cost Management – SLA => Supply Chain Costing => Supply Chain Cost Rollup



Cost Rollup Choices

Reports

Find %

Name	Application
Supply Chain Cost Rollup - No Report	Bills of Mat
Supply Chain Cost Rollup - Print Report	Bills of Mat
Temporary Supply Chain Cost Rollup - Print Report	Bills of Mat

Find

OK

Cancel

- Supply Chain Cost Rollup – No Report: rolls up costs, changes Pending, but no report
- Supply Chain Cost Rollup – Print Report: rolls up costs, changes Pending and creates report
- Temporary Supply Chain Cost Rollup – Print Report: rolls up costs, only produces a report

Cost Rollup Parameters

Supply Chain Cost Rollup (M1)

Run this Request

Copy

Name

Supply Chain Cost Rollup - Print Report

Parameters

Description

Example Cost Rollup

Cost Type

CostClass

Cost Type for Cost Class

Organization

M1

Seattle Manufacturing

Assignment Set

Buy Cost Type

Preserve Buy Cost Details

Conversion Type

Corporate

Corporate Ex

Rollup Option

Full cost rollup

Range

Specific item

Report Type

Detail Indented

Material Detail

Yes

Material Overhead Detail

Yes

Routing Detail

Yes

Report Number of Levels

10

Effective Date

15.NOV.2023 23:59:59

Include Unimplemented ECOs

No

Alternate Bill

Alternate Routing

Engineering Bills

No

Lot Size Option

Use Existing Lot Size

Lot Size Setting

Specific Item

AS54888

Category set

Specific Category

Item From

Item To

OK

Cancel

Clear

Help

Rollup Options:

- Single level – Goes down one level and rolls up costs
- Full cost rollup – Fully explodes the BOM

Today's effectivity date

Cost Rollup Parameters – Example

Submit Request

Run this Request

Copy

NameSupply Chain Cost Rollup - Print Report

Operating Unit

ParametersExample Cost Rollup:CostClass:M1:::Corporate:Full cost rollup:Specific item:Detail Indente

LanguageAmerican English

Language Settings

Debug Options

At these Times

Run the JobAs Soon As Possible

Schedule

Upon Completion

☒ Save all Output Files☐ Burst Output

LayoutOptions

NotifyDelivery Opts

Print to

Help (C)

Submit

Cancel

Click here

Cost Rollup Concurrent Submission

- Two Concurrent Jobs are Submitted When You Run the Cost Rollup with Report:

The screenshot shows the 'Requests' window with the following controls and data:

- Buttons: Refresh Data, Find Requests, Submit a New Request, Submit New Request Set, Copy Single Request, Copy Request Set.
- Auto Refresh: ☐ Auto Refresh (X)
- Table:

Request ID	Name	Parent	Phase	Status	Parameters
6314544	Delete Supply Chain Cost f		Completed	Normal	207289, 1210, 1
6314543	Supply Chain Cost Rollup -		Completed	Normal	2, 207, Example Cost Rollup,

- But only one job when you run Temporary Report:

The screenshot shows the 'Requests' window with the following controls and data:

- Buttons: Refresh Data, Find Requests, Submit a New Request, Submit New Request Set, Copy Single Request, Copy Request Set.
- Auto Refresh: ☐ Auto Refresh (X)
- Table:

Request ID	Name	Parent	Phase	Status	Parameters
6314545	Temporary Supply Chain C		Completed	Normal	2, 207, Example for Temporary

Cost Rollup Concurrent Submission

- What Do These Two Programs Do?
 - Supply Chain Cost Rollup calculates the new rolled up values into the Cost Type

Request ID	Name	Parent	Phase	Status	Parameters
6314544	Delete Supply Chain Cost F		Completed	Normal	207289, 1210, 1
6314543	Supply Chain Cost Rollup -		Completed	Normal	2, 207, Example Cost Rollup,

- Delete Supply Chain Cost Rollup cleans up various temp tables:
 - CST_SC_BOM_EXPLOSION
 - CST_SC_LOW_LEVEL_CODES
 - CST_SC_BOM_STRUCTURES
 - CST_SC_LISTS
- Patch for Performance Issues for the Delete Supply Chain Cost Rollup Program:
Patch 33074934 - DELETE SUPPLY CHAIN COST ROLLUP DATA PERFORMANCE ISSUE

Indented Bill of Material Cost Report Example

Supply Chain Bills of Material Indented Cost Report

Rollup ID: 207289
Description: Example Cost Rollup
Cost Type: CostClass
Buy Cost Type:
Preserve Buy Cost Details: No
Organization: M1 Seattle Manufacturing
Assignment Set:
Conversion Type: Corporate
Report Type: Detail Indented
Material Detail: Yes
Material Overhead Detail: Yes
Routing Detail: Yes
Report Level: 11
Rollup Option: Full cost rollup
Range: Specific item
Effective Date: 2023/11/15 23:59:59
Include Unimplemented ECOs: No
Alternate BOM:
Alternate Routing:
Engineering Bill: No
Lot Size Option: Use Existing Lot Size
Lot Size Setting:
Item: AS54888
Item From:
Item To:
Category Set: Inv.Items
Category:

Report submission information

Indented Bill of Material Cost Report Example

Rollup ID: 207289										Report Date: 15-NOV-2023 11:02:36									
Supply Chain Bills of Material Indented Cost Report										Page: 2									
Cost Type: CostClass										Revision Date: 2023/11/15 23:59:59									
Buy Cost Type:										Alternate BOM:									
Assignment Set:										Alternate Routing:									
Conversion Type: Corporate																			
Organization: M1										Currency Code: USD									
Assembly: AS54888										UOM: Ea									
Seattle Manufacturing										Category: COMPUTER.DESKTOP									
Sentinel Standard Desktop																			
Include In Rollup										Currency Code									
Based On Rollup																			
Asset/Costed																			
Phtm Basis																			
Level	Op	Item/	Description/	Org/	Last				Yield/	Planning %	Quantity/	Shrink/	Extended Qty/	Item Unit Cost/					
	Seq	Cost Element	Sub-Element	Department	Rev				Basis	UOM Rate Or Amount	Basis Factor	Rate Or Amount	Rate Or Amount	Res Unit Cost	Extended Cost				
0		AS54888	Sentinel Stan	M1	A		Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,126.34771				USD
	10	Resource	LBR-DTASSY	ASSEMBLY				Yes		Item	HR	0.08	1.00	0.08	6.50000	0.54166			
	10	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	0.54	0.00	0.00001	0.10000			
	10	Overhead	Equip/Tool	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	10	Overhead	Facility	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	10	Overhead	PreMaint	ASSEMBLY						Lot	USD	1.00	1.00	1.00	1.00000	1.00000			
	20	Resource	LBR-DTASSY	ASSEMBLY			Yes			Item	HR	0.08	1.00	0.08	6.50000	0.54166			
	20	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	0.54	0.00	0.00001	0.10000			
	20	Overhead	Equip/Tool	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	20	Overhead	Facility	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	20	Overhead	PreMaint	ASSEMBLY						Lot	USD	1.00	1.00	1.00	1.00000	1.00000			
	30	Resource	LBR-DTASSY	ASSEMBLY			Yes			Item	HR	0.88	1.00	0.88	6.50000	5.70175			
	30	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	5.70	0.00	0.00006	0.10000			
	30	Overhead	Equip/Tool	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	30	Overhead	Facility	ASSEMBLY						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	30	Overhead	PreMaint	ASSEMBLY						Lot	USD	1.00	1.00	1.00	1.00000	1.00000			
	40	Resource	LBR-TEST	TESTING			Yes			Item	HR	0.05	1.00	0.05	10.00000	0.50000			
	40	Overhead	Benefits	TESTING						Res value	USD	0.25	0.50	0.25	0.12500	0.27000			
	40	Resource	TESTER	TESTING			Yes			Lot	HR	12.00	1.00	12.00	0.75000	9.00000			
	40	Overhead	Indirect	TESTING						Res value	USD	0.15	9.00	0.15	1.35000	0.27000			
	40	Overhead	Mgmt	TESTING						Res value	USD	0.03	9.00	0.03	0.27000	0.10000			
	40	Overhead	Equip/Tool	TESTING						Item	USD	0.10	1.00	0.10	0.10000	0.10000			
	40	Overhead	Facility	TESTING						Item	USD	0.10	1.00	0.10	0.10000	0.10000			

Rolled Up Costs

Indented Bill of Material Cost Report Example

Rollup ID: 207289

Report Date: 15-NOV-2023 11:02:36

Page: 9

Supply Chain Bills of Material Indented Cost Report

Cost Type: CostClass

Buy Cost Type:

Assignment Set:

Conversion Type: Corporate

Revision Date: 2023/11/15 23:59:59

Alternate BOM:

Alternate Routing:

Organization: M1

Assembly: AS54888

Seattle Manufacturing

Sentinel Standard Desktop

Category: COMPUTER.DESKTOP

Currency Code: USD

UOM: Ea

..2	10	CM85773	Manual - Visi M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	1.00	0.00	1.00	11.85000	USD
		Material	Material						Item				USD		10.20		10.20000
		Material Overh	MatlMgmt						Item				USD		0.75		0.75000
		Material Overh	Purchasing						Activity				USD		150.00		0.90000
.1	60	WR11531	Desktop PC Wa M1	A	Yes	No	Yes	Yes	Item	1.00	100	YR	1.00	0.00	1.00	33.00000	USD
		Material	Material						Item				USD		33.00		33.00000

1,126.34771 USD

=====

===

Cost Element	Standard Cost	Report Value	Difference	Percent
Material	1,203.86600	957.86600	246.00000	25.7
Material Overhead	39.04580	39.04580	0.00000	0.0
Resource	84.16840	84.16840	0.00000	0.0
Outside Processing	1.50000	1.50000	0.00000	0.0
Overhead	15.73417	43.76751	-28.03334	-178.2
Total	1,344.31437	1,126.34771	217.96666	16.2

Current Frozen Costs

As Reported Costs

* This cost may include this level material, material overhead or routing costs.

This cost includes previous levels not displayed on the report.

***** End of Report *****

Cost Rollup Item Cost Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Cost Type Comparison Report	CAC Item Cost Type Comparison CAC Item Cost Type Comparison – No Currencies	Any two orgs, any two cost types, with or without currency conversion
Detailed Item Cost Report	CAC Item Cost & Routing	Sub-element details with routings
Elemental Item Cost Report	CAC Item Cost Summary	See cost attributes and cost elements
Item Cost Reports	CAC Item Cost & Routing CAC Item Cost Summary	See above
Supply Chain Indented Bill of Material Cost Report (From static BOM)	CST Supply Chain Indented Bills of Material Cost (Need to run the Cost Rollup first)	Need to run the Cost Rollup first, but much better Excel layout
Item Where Used Report GUI	CAC Where Used by Cost Type	Single-level explosion for all items in the Cost Type, can limit to zero item costs
N/A	CAC Sourcing Rule	Can report organization and supplier sourcing rules

Why You May Have Incorrect Rolled Up Costs

- ❑ Incorrect Planning Make vs. Buy Attributes
- ❑ Wrong Based on Rollup Cost Controls
- ❑ Zero or Incorrect Buy Item Costs
- ❑ Item Status Control Issues
- ❑ Duplicate Item Costs
- ❑ Issues with BOM and/or Routing Accuracy

Make / Buy vs. Based on Rollup Controls

Menu path: Cost Management => Item Costs => Item Costs

Item Costs Details (D2)

ItemAS54888Sentinel Standard Desktop

UOMEa

Cost TypePendingPending Standard Cost Type

Default Cost TypeFrozen

☐ Use Default Cost Controls

☒ Inventory Asset

☒ Based On Rollup

Lot Size1

MFG Shrinkage Rate0

Material957.86600

Material Overhead115.92781

Resource84.16840

Outside Processing1.50000

Overhead15.73417

Unit Cost1,175.19638

COGS Account01-550-5110-0000-000

Sales Account01-550-4110-0000-000

Cost CategoryASSEMBLY.FINAL

Quantity548

Extended Value644,007.61

Last PO Price1,107.86000


Invoice Price1,107.86000

Make/BuyBuy

☒ Include In Rollup

Views

Costs

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Make / Buy vs. Based on Rollup Controls

□ Planning Make / Buy

Major source of Cost Rollup Errors:

- Wrong Make/Buy assignment
- Incorrect Based on Rollup setting
- Inactive items set to roll up

- Planning controls are separate from Costing
- “Make” - Usually Based on Rollup is checked (Yes)
 - To avoid rolling up an item uncheck Based on Rollup (No)
 - Tells Planning to create work orders
- “Buy” - Usually Based on Rollup is not checked (No)
 - But, to use Sourcing Rules from the Assignment Set you must check Based on Rollup (Yes), **even for “Buy” items**
 - Tells Planning to create purchase requisition and POs

Cost Rollup Error Checking Reports

– Blitz CAC Costing Vs. Planning Items Controls Report

❑ Catch the Following Errors

- **1. Based on Rollup Yes - No BOMS**
Find make items where the item is set to be rolled up but there are no BOMs.
May roll up to a zero cost.
- **2. Based on Rollup Yes - No Routing**
Find make items costs are based on the cost rollup, but there are no routings.
- **3. Based on Rollup Yes - No Rollup**
Find make items where it is set to be rolled up but there are no rolled up costs
- **4. Based on Rollup Yes - Buy Items**
Find buy items where the item is set to rolled up
- **5. Based on Rollup No - With BOMS**
Find make items where the item is not set to be rolled up but BOMS or routings exist.
- **6. Based on Rollup No - With Sourcing Rules**
Find buy items where costs are not based on the cost rollup, but sourcing rules exist.

Cost Rollup Error Checking Reports

– Blitz CAC Costing Vs. Planning Items Controls Report

❑ Catch the Following Errors

- **7. Based on Rollup No - Make Items**
Find make items where the item is not set to rolled up, whether or not BOMs or routings exist.
- **8. Lot-Based Resources With Lot Size One**
Find make items where there are charges based on Lot but the lot size is one.
Duplicates the setup charges for each item you make.
- **9. BOMs With No Components**
Find make items with BOMS that have no components.
- **10. Item Costing vs. Item Asset Controls**
Find items where the item master costed flag (costed enabled) and the item asset flag do not match.
- **11. Item Asset vs. Costing Asset Controls**
Find items where the item master asset and the costing asset flags do not match.
- **12. Based on Rollup No - Defaulted Costs**
Find items where the item is not rolled up but the defaulted flag says Yes.

Cost Rollup Reports

– Blitz CAC Costing Vs. Planning Items Controls Report

□ All Twelve Queries Combined Into One Report

Report Type	Ledger	Operating Unit	Org Code	Cost Type	Item Number	Item Description	UOM Code	Item Type	Item Status	Make Buy Code	BOM	Routing
Based on Rollup No - Make Items	Vision Operations	Vision Operations	M1	Pending	SB66325	PCB Assy - Vision Pad ZX	Ea	Subassembly	Active	Make	No	No
Based on Rollup No - Make Items	Vision Operations	Vision Operations	M1	Pending	SB66328	PCB Assy - Vision Pad DX	Ea	Subassembly	Active	Make	No	No
Based on Rollup Yes - Buy Items	Vision Operations	Vision Operations	M1	Pending	75100001	Printer Mechanism	Ea	Finished good	Active	Buy	Yes	Yes
Based on Rollup Yes - Buy Items	Vision Operations	Vision Operations	M1	Pending	DBICC	For DBI cogs posting	Ea	Finished good	Active	Buy	Yes	Yes

Report Type Column

Sourcing Rule	Based On Rollup	Defaulted Flag	Costing Enabled	Item Inventory Asset	Cost Inventory Asset	Item Std Lot Size	Cost Lot Size	Currency Code	Item Cost	Item Creation Date
No	No	No	Yes	Yes	Yes			1 USD	125.12000	19.Jun.01 12:10:33
No	No	No	Yes	Yes	Yes			1 USD	100.56000	14.Feb.00 06:37:13
No	Yes	No	Yes	Yes	Yes			1 USD	4,471.30305	7.Feb.02 06:20:03
No	Yes	No	Yes	Yes	Yes			1 USD	1,576.52267	2.Feb.99 13:55:08

- You can get a fully working report from:
- 1) If you use the More4Apps Item Cost Wizard, this report is already included in this Wizard
 - 2) If you use Blitz Report download a working report here: <https://www.enginatics.com/blitz-report/>
 - 3) Ask Douglas Volz Consulting for a SQL report at: doug@volzconsulting.com

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- Prior to receiving goods compare the PO unit prices to standard costs
- Find errors and minimize PPV
- Search by range of PO line creation dates

PO Vs. Standard Costs ReporParameters:						Ledger:	Transaction Date From:		01-Sep-2006											
Run Date: 18-Sep-2010 23:39						Min. Value Diff: 1		Transaction Date To:		31-Dec-2010										
Ledger	Operating Unit	Org Code	Supplier	Buyer	Item Number	Item Description	Item Status	Item Type	MB Code	Family	Product	PO Number	PO Line	PO Rel	Release Date	Creation Date	PO UOM	PO Quantity	PO Qty Received	PO Curr Code
Vision Franc	Vision France	E5	Consolidated S	Sonier, Mr. Ant	CM55437	Docking Station	Active	Purchased item	Buy	ACCESSORY	MISC	197	1	363	7-Apr-08	7-Apr-08	Each	140.0	0.0	EUR
Vision Germ	Vision German	E1	Allied Manufact	Müller, Peter	A554999	Sentinel Standard Deskto	Active	Finished good	Buy	ASSEMBLY	FINAL	194	1	321	14-Feb-08	14-Feb-08	Each	75.0	0.0	EUR
Vision Germ	Vision German	E1	Allied Manufact	Müller, Peter	A554999	Sentinel Standard Deskto	Active	Finished good	Buy	ASSEMBLY	FINAL	194	1	328	17-Mar-08	17-Mar-08	Each	75.0	0.0	EUR
Vision Open	Vision Open	H1	Furniture Export	Kühn, Thor	C670003	Bathroom Sink	Active	Purchased item	Buy	STORES	FURNITURE	506	1	375	27-Feb-08	27-Feb-08	Each	6.0	0.0	USD
PO Unit Price	Curr Rate Date	PO Exchange Rate	GL Curr Code	Conv. PO Unit Price	PO UOM Conv. Rate	Conv. PO at Primary UOM	UOM Code	Std Unit Cost	Unit Cost Difference	Extended Cost Difference	Percent	Material Cost	Matl Ovhd Cost	Resource Cost	OSP Cost	Overhead Cost	Std Unit Cost			
112.44000		1.00000	EUR	112.44000	1.00000	112.4400	Ea	112.4000	0.0400	5.6000	0.0	112.4000	0.0000	0.0000	0.0000	0.0000	112.4000			
1,107.86000		1.00000	EUR	1,107.86000	1.00000	1,107.8600	Ea	1,106.7100	1.1500	86.2500	0.1	1,106.7100	0.0000	0.0000	0.0000	0.0000	1,106.7100			
1,107.86000		1.00000	EUR	1,107.86000	1.00000	1,107.8600	Ea	1,106.7100	1.1500	86.2500	0.1	1,106.7100	0.0000	0.0000	0.0000	0.0000	1,106.7100			
100.00000	27-Feb-08	1.00000	USD	100.00000	1.00000	100.0000	Ea	0.0000	100.0000	600.0000	10,000.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
30.00000	27-Feb-08	1.00000	USD	30.00000	1.00000	30.0000	Ea	0.0000	30.0000	120.0000	3,000.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
100.00000	27-Feb-08	1.00000	USD	100.00000	1.00000	100.0000	Ea	0.0000	100.0000	500.0000	10,000.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			

Zero or Incorrect Buy Item Costs – Find Item Cost Errors

❑ Blitz CAC Zero Item Costs Report

- Find your items with no costs
- Search by range of creation dates
- Identify items with onhand quantities and last transaction date

Zero Item Cost Report		Parameters:		Creation Date From: 20-Jan-2003		Ledger:									
Run Date: 29-May-2012 21:38				Creation Date To: 29-Jan-2003											
Ledger	Operating Unit	Org Code	Item Number	Item Description	Item Type	Item Status	Allow Costs	Inv. Asset	Creation Date	Item Cost	Last Txn Number	Last Txn Date	Last Txn Type	UOM Code	Onhand Quantity
Vision Operations	(Vision Operations	D2	FS18947	Sentinel Deluxe Desktop	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246160	24-Jan-03	Miscellaneous receipt	Ea	40.0
Vision Operations	(Vision Operations	D2	FS54888	Sentinel Standard Desktop	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246161	24-Jan-03	Miscellaneous receipt	Ea	27.0
Vision Operations	(Vision Operations	D2	FS65101	Vision Pad - Bronze	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246162	24-Jan-03	Miscellaneous receipt	Ea	24.0
Vision Operations	(Vision Operations	D2	FS65102	Vision Pad - Bronze	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246066	24-Jan-03	Miscellaneous receipt	Ea	30.0
Vision Operations	(Vision Operations	D2	FS65103	Vision Pad - Gold	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246163	24-Jan-03	Miscellaneous receipt	Ea	25.0

Item Status Controls – Configuration to Consider

Can't Ship Until Costed

Item Status

Status

Not Costed

Not Costed

Description

Item not costed otherwise ready for production

Inactive Date

[]

	Value	Usage
BOM Allowed	<input checked="" type="checkbox"/>	Default control
Build in WIP	<input checked="" type="checkbox"/>	Default control
Customer Orders Enabled	<input checked="" type="checkbox"/>	Default control
Internal Orders Enabled	<input type="checkbox"/>	Default control
Invoice Enabled	<input type="checkbox"/>	Default control
Process Execution Enabled	<input type="checkbox"/>	Default control
Purchasable	<input checked="" type="checkbox"/>	Default control
Recipe Enabled	<input type="checkbox"/>	Default control
Stockable	<input checked="" type="checkbox"/>	Default control
Transactable	<input type="checkbox"/>	Default control

Item Status Controls – Configuration to Consider

□ Can't Ship Until Costed

- Initial Status: **Phase In**
 - Once item is nearly ready, Cost Accounting puts on a cost
 - Can put on a PO but cannot receive on a PO
 - Can put on a Sales Order but cannot ship
 - Cost Accounting has the final say to change the status to: **Active**
- ➔ **Caution:** prior clients had to customize the workflow, if the status is both Stockable and Transactable, you can still do an initial PO receipt into Receiving Inspection

Item Status Control – Configuration to Consider

- Once Costed, Cost Accounting Changes Status to Active

Item Status

Status

Active

Active

Description

All functions enabled

Inactive Date

[]

	Value	Usage
BOM Allowed	<input checked="" type="checkbox"/>	Default control
Build in WIP	<input checked="" type="checkbox"/>	Default control
Customer Orders Enabled	<input checked="" type="checkbox"/>	Default control
Internal Orders Enabled	<input checked="" type="checkbox"/>	Default control
Invoice Enabled	<input checked="" type="checkbox"/>	Default control
Process Execution Enabled	<input checked="" type="checkbox"/>	Default control
Purchasable	<input checked="" type="checkbox"/>	Default control
Recipe Enabled	<input checked="" type="checkbox"/>	Default control
Stockable	<input checked="" type="checkbox"/>	Default control
Transactable	<input checked="" type="checkbox"/>	Default control

You Can Accidentally Duplicate Item Costs

- ❑ You Can Manually Enter Item Costs for Rolled Up Items:
 - Such as for Material Overhead Rates
 - Also manually input item costs when you do not have time to do a Cost Rollup
 - Make sure the Use Defaulted Costs is not checked ...
- ❑ But What Happens If You Forget to Remove the Manually Defined Costs and Then Run the Supply Chain Cost Rollup?
- ❑ Costs Are Duplicated
- ❑ Run the CAC User-Defined and Rolled Up Costs report to find these errors

Find Duplicates: CAC User-Defined and Rolled Up Costs report

Ledger	Operating Unit	Org Code	Cost Type	Item Number	Item Description	UOM Code	Item Type	Item Status	Make Buy Code	Rollup Source Type
Vision Operations	Vision Operations	M1	CostClass	AS54888	Sentinel Standard Desktop	Ea	Finished good	Active	Make	User defined
Material Sub Element	BOM	Routing	Sourcing Rule	Based On Rollup	Inventory Asset	Item Cost	Manual Material Costs	Rolled Up Material Costs	Manual Other Costs	Rolled Up Other Costs
Material	Yes	Yes	Yes	Yes	Yes	1,952.69542	826.34771	957.86600	1.80000	166.68171

Item Costs Summary (M1)

Item

Cost Type

Unit Cost

Material

Material Overhead

Resource

Outside I

AS54888

CostClass

1,952.69542

1,784.21371

39.04580

84.16840

Item Costs (M1) - AS54888, CostClass

Cost Information

Activity Information

User Defined Item Costs

Cost

Sub-Element

Activity

Basis

Rate or Amount

Unit Cost

1

Material

Material

Item

826.34771

826.34771

Material Overhe

MfgEng

MfgEng'g

Activity

300

1.80000

Basis Factor

1

MFG Shrinkage Factor

1

Rollup Item Costs

Material

Material

Item

81.6

81.60000

Material

Material

Item

876.266

876.26600

Material Overhe

MatlMgmt

Item

22.02

22.02000

Material Overhe

Purchasing

Item

5.22180000000000

5.22180

Material Overhe

MfgEng

Item

.192

0.19200

Material Overhe

MatlMgmt

Item

1.65

1.65000

Basis Factor

1

MFG Shrinkage Factor

1

Source Type

Rolled up

“Duplicate” user-defined item costs

- Verify the Item Cost Details
 - Are the item costs doubled-up with both rolled up and user-entered costs?
 - Or
 - Were the user-defined costs deliberately entered to adjust the item cost?

Three Reasons Why the Supply Chain Cost Rollup May be Slow

- ❑ Need Patching – Out-of-Date Cost Rollup Code
- ❑ Not Enough Memory to Run the Cost Rollup
- ❑ Rolling Up Inactive Items

Recent Patch Examples for Release 12 Supply Chain Cost Rollup

- ❑ CSTRSCCRN Supply Chain Cost Rollup or Supply Chain Cost Rollup - Print Report (Xml) Performance (Doc ID 1296036.1)
 - For release R12.1.X: apply Patch 23340529:R12.BOM.C - CSTRSCCR.rdf 120.9.12010000.21 or higher
 - For release R12.2.X: patch 21825092:R12.BOM.D - CSTRSCCR.rdf 120.16.12020000.10 or higher

- ❑ Supply Chain Cost Rollup – Report Performance Issue (Doc ID 2288913.1)
 - Oracle Cost Management - Version 12.2.6 and later (using the No Report option)

- ❑ Supply Chain Cost Rollup Performance Issue (Doc ID 2919450.1)
 - Oracle Cost Management - Version 12.2.7 and later

Not Enough Memory for Supply Chain Cost Rollup

□ Two Major Database Memory Areas: SGA and PGA:

- SGA or Shared Global Area is the available memory area for all running programs, similar in concept to the amount of RAM (read-access memory) on your laptop or desktop tower.
- Program Global Area (PGA) is a memory region that contains data and control information for a single server process or a single background process.

□ If the SGA and PGA areas are too small:

- Your programs may lack insufficient memory to complete the calculations and/or reports.
- Causes excess I/O, requiring it to constantly place partial or completed results into a slower form of memory as found on your hard drives or SSD arrays.

□ Run Blitz DBA SGA+PGA Memory Configuration report

- This report shows the servers SGA, PGA and CPU configuration in comparison to the available hardware.

Not Enough Memory for Supply Chain Cost Rollup

□ For maximum performance:

- Configure the SGA+PGA to use the full available memory of your server minus a few gig for OS level caching, e.g. for writing and reading of PLSQL output files on the DB node and for process memory (an estimated 4MB per process, see below).

□ Oracle's performance tuning guide:

- <https://docs.oracle.com/en/database/oracle/oracle-database/12.2/tgdba/database-memory-allocation.html>

□ Oracle's exadata best practices whitepaper:

- $\text{SUM of databases (SGA_TARGET + PGA_AGGREGATE_TARGET) + 4 MB * (Maximum PROCESSES) < Physical Memory per Database Node}$

□ Tom Kyte's recommendation:

- "... if you want it all automatic, give ALL FREE MEMORY on your machine to the SGA and be done with it. No more monitoring, no more thinking about how it could be, should be, would be used ... Set the PGA aggregate target and the SGA target to be a tad less than physical memory on the machine and you are done."
- https://asktom.oracle.com/pls/asktom/f?p=100:11:0:::P11_QUESTION_ID:30011178429375

PROD Example: Blitz DBA SGA+PGA Memory Configuration

Inst Id	Name	Value
1	memory physical	504.13
1	memory unused	349.13
1	sga_max_size	200.00
1	sga_target	130.00
1	pga_aggregate_target	25.00
1	memory_max_target	0.00
1	memory_target	0.00
1	cpu physical	64.00
1	cpu_count	64.00
1	PGA record date: 21-JUL-2018	
1	average PGA	18.69
1	maximum PGA	39.40
	System Stats record date: 03-30-2008 00:18	
	CPUSPEEDNW	1,235.08
	IOSEEKTIM	10.00
	IOTFRSPEED	4,096.00
	MBRC	

This was paid for, why is 69% of available RAM not in use

Supply Chain Cost Rollup Only Looks at Based on Rollup Controls

- ❑ When Changing an Item from Active (or Active-like status) to Inactive:
 - No onhand quantities
 - No open purchase orders
 - No open sales orders
 - Cannot transact at all
 - Can still see on existing transaction inquiries and report

- ❑ But Supply Chain Cost Rollup Only Looks at Based on Rollup Controls
 - Will still roll up inactive items !!!!
 - May be major reason why your Cost Rollup takes so long!

Cost Rollup Reports

— Blitz CAC Inactive Items Set to Roll Up Report

- ❑ Inactive Items Set to Roll Up – Can be Major Performance Issue
- ❑ Prior clients have had up to 900,000 inactive items set to be rolled up!
- ❑ Use the Blitz *CAC Inactive Items Set to Roll Up* Report to find these:

Ledger	Operating Unit	Org Code	Cost Type	Item Number	Item Description	UOM Code	Item Type	Item Status	Make Buy	Allow Costs	Inventory Asset	Use Default Controls	Based On Rollup	Currency Code	Item Cost
Vision Operations	Vision Operations	M1	Frozen	75100011	Shaft Assembly	Ea	Subassembly	Inactive	Make	Yes	Yes	No	Yes	USD	35.62253
Vision Operations	Vision Operations	M1	Frozen	NA11	Not used	Ea	Finished good	Inactive	Make	Yes	Yes	No	Yes	USD	0.00000
Vision Operations	Vision Operations	M1	Frozen	NA15	Not used	Ea	Subassembly	Inactive	Make	Yes	Yes	No	Yes	USD	0.00000
Vision Operations	Vision Operations	M1	Frozen	NA18	Not Used	Ea	PTO model	Inactive	Make	Yes	Yes	No	Yes	USD	0.00000
Vision Operations	Vision Operations	M1	Frozen	NA2	Not Used	Ea	Finished good	Inactive	Make	Yes	Yes	No	Yes	USD	1,389.34947
Vision Operations	Vision Operations	M1	Frozen	NA3	Not Used	Ea	Finished good	Inactive	Make	Yes	Yes	No	Yes	USD	1,789.02267

- ❑ To fix either change the item status one-by-one or use a 3rd party tool such as the More4Apps Item Cost Wizard (perhaps API Wizard has something too?)
- ❑ Douglas Volz Consulting also has SQL scripts to directly fix this issue

What About Using the Set Cost Controls Form?

Menu path: Cost Management - SLA => Cost Mass Edits => Set Cost Controls

❑ Set Based on Rollup Flag, Defaulted Flag or Lot Size

Set Cost Controls (M1)

Run this Request

Copy

Name Set Cost Controls

Parameters

Cost type Frozen Frozen Standard Cost Type

Range Range

Specific item

Category set

Category from

Category to

Item from

Item to

Copy option From item definition

Source Cost Type

Based on Rollup flag Keep current setting

Defaulted flag Keep current setting

Lot size Keep current setting

Lot size setting

Find %

Range

All items

Category

Range of items

Specific item

Find OK Cancel

OK Cancel Clear Help

Not Enough Parameters, unable to change the Based on Rollup Flag based on the item's status

Cost Rollup Reports

- Cost Rollup Item Cost Reports
- Cost Rollup Error-Checking Reports
- Pending Cost Inventory Revaluation Reports

Cost Rollup Item Cost Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Cost Type Comparison Report	CAC Item Cost Type Comparison CAC Item Cost Type Comparison – No Currencies	Any two orgs, any two cost types, with or without currency conversion
Detailed Item Cost Report	CAC Item Cost & Routing	Sub-element details with routings
Elemental Item Cost Report	CAC Item Cost Summary	See cost attributes and cost elements
Item Cost Reports	CAC Item Cost & Routing CAC Item Cost Summary	See above
Supply Chain Indented Bill of Material Cost Report (From static BOM)	CST Supply Chain Indented Bills of Material Cost (Need to run the Cost Rollup first)	Need to run the Cost Rollup first, but much better Excel layout
Item Where Used Report GUI	CAC Where Used by Cost Type	Single-level explosion for all items in the Cost Type, can limit to zero item costs
N/A	CAC Sourcing Rule	Can report organization and supplier sourcing rules

Cost Rollup Error-Checking Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
N/A	CAC Cost vs. Planning Item Controls	Twelve error-checking reports
N/A	CAC Department Overhead Setup Errors CAC Resources Associated with Overheads Setup	1) Find overheads assigned to resources but not assigned to departments 2) Find resources assigned to departments but not assigned to overheads
N/A	CAC User-Defined and Rolled Up Costs	To prevent doubling-up costs
N/A	CAC Inactive Items Set to Roll Up	Find items which should not be rolled up
N/A	CAC Item vs. Component Include in Rollup Controls	Compare Item Master to BOM settings to ensure components included in rollup
N/A	CAC Zero Item Cost	Find items at a zero item cost
N/A	New Standard Item Costs	Standard cost history report
MRP Audit Reports	See above CAC reports	

Pending Inventory Revaluation Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Inventory Standard Cost Adjustment (Pending)	CAC Inventory Pending Cost Adjustment	Both revaluation and item cost changes (even if no onhand quantities), with currency changes as well
Intransit Standard Cost Adjustment (Pending)	CAC Inventory Pending Cost Adjustment	Both onhand and intransit quantities, either “real-time” or using prior period-end quantities
WIP Standard Cost Adjustment (Pending)	CAC WIP Pending Cost Adjustment	Pending revaluation report for WIP

Example Blitz CAC Cost Rollup Reports

Item Cost & Routing Report

Item Costs and Routing Report		Parameters: Cost Type 1: Frozen				Ledger: < leave blank >				Include Uncosted Resources: No						
Run Date: 07-May-2019 7:28 PM		Cost Type 2: Pending				Item Number: < leave blank >										
Ledger	Operating Unit	Org Code	Item Number	Item Description	UOM Code	Item Type	Product Type	Item Status	Based on Rollup	MB Code	Dept	Level	Cost Element	Op Seq Num	Res Seq Num	Src Org
Vision Oper	Vision Operations	M1	AS54999	Sentinel Standard Desktop	Ea	Finished good	NONE	Active	Yes	Make	TESTING	This	Resource	40	10	
Vision Oper	Vision Operations	M1	AS54999	Sentinel Standard Desktop	Ea	Finished good	NONE	Active	Yes	Make	TESTING	This	Resource	40	10	
Vision Oper	Vision Operations	M1	AS54999	Sentinel Standard Desktop	Ea	Finished good	NONE	Active	Yes	Make	TESTING	This	Resource	40	10	
Vision Oper	Vision Operations	M1	AS54999	Sentinel Standard Desktop	Ea	Finished good	NONE	Active	Yes	Make	TESTING	This	Resource	40	10	

Alloc %	Sub-Element	Sub-Element UOM	Activity	Cost Type	Cost Source	Basis Type	Lot Size	Shrinkage Rate	Basis Factor	Shrink Factor	Resource Rate	Rate or Amount	Curr Code	Detailed Item Cost	Total Item Cost
	LBR-TEST	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	10.00000	0.03400	USD	0.34000	1,397.29176
	LBR-TEST	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	10.00000	0.03400	USD	0.34000	1,397.29176
	LBR-TEST	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	10.00000	0.03400	USD	0.34000	1,397.29176
	LBR-TEST	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	10.00000	0.03400	USD	0.34000	1,397.29176
	LBR-PACK	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	5.00000	0.16667	USD	0.83333	1,397.29176
	LBR-PACK	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	5.00000	0.16667	USD	0.83333	1,397.29176
	LBR-PACK	HR		Frozen	Rolled up costs	Item	1.00000	0.00000	1.00000	1.00000	5.00000	0.16667	USD	0.83333	1,397.29176

- Report your buy and rolled up costs at the same time
- Report one or two cost types for comparison purposes
- Report across multiple organizations

Example Blitz CAC Cost Rollup Reports

Resource Costs Report

Resource Costs Report		Parameters:			Cost Type:											
Run Date: 15-Dec-2010 16:05					Ledger:											
Ledger	Operating Unit	Org Code	Resource Code	Cost Element	Cost Type	Curr Code	Resource Rate	Resource Type	Charge Type	Allow Costs	Std Rate	OSP Item Number	OSP Item Description	Absorption Account	Variance Account	Disable Date
Vision Operations (USA)	Vision Operations	B1	ChipMount3					Machine	WIP move	No	No					
Vision Operations (USA)	Vision Operations	EM1	Contractor					Miscellaneous	WIP move	No	No					
Vision Operations (USA)	Vision Operations	EM1	Operator					Person	Manual	No	No					
Vision Operations (USA)	Vision Operations	H1	PC Tech					Person	Manual	No	No					
Vision Operations (USA)	Vision Operations	M1	ACID BATH	Resource	Frozen	USD	25.0000	Machine	WIP move	Yes	Yes			01-520-5380-0000-000	01-520-5810-0000-000	
Vision Operations (USA)	Vision Operations	M1	ANODIZE	Outside Proc	Frozen	USD	1.5000	Miscellaneous	PO move	Yes	Yes	OP98997	Anodizing Outside Pro	01-520-5380-0000-000	01-520-5810-0000-000	14-Aug-97
Vision Operations (USA)	Vision Operations	M1	ANODIZING	Outside Proc	Frozen	USD	1.5000	Miscellaneous	PO move	Yes	Yes	OP98997	Anodizing Outside Pro	01-520-5380-0000-000	01-520-5810-0000-000	
Vision Operations (USA)	Vision Operations	M1	CDMOLD	Resource	Frozen	USD	2.0000	Machine	WIP move	Yes	No			01-520-5380-0000-000	01-520-5810-0000-000	
Vision Operations (USA)	Vision Operations	M1	CHIP MOUNT	Resource	Frozen	USD	100.0000	Machine	WIP move	Yes	Yes			01-520-5380-0000-000	01-520-5810-0000-000	

- Easily report your resource costs for multiple cost types
- Report for one or multiple inventory organizations
- Report both costed and non-costed resources

Example Blitz CAC Cost Rollup Reports

❑ Zero Item Cost Report

Zero Item Cost Report		Parameters:		Creation Date From: 20-Jan-2003		Ledger:									
Run Date: 29-May-2012 21:38				Creation Date To: 29-Jan-2003											
Ledger	Operating Unit	Org Code	Item Number	Item Description	Item Type	Item Status	Allow Costs	Inv. Asset	Creation Date	Item Cost	Last Txn Number	Last Txn Date	Last Txn Type	UOM Code	Onhand Quantity
Vision Operations (Vision Operations D2			FS18947	Sentinel Deluxe Desktop	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246160	24-Jan-03	Miscellaneous receipt	Ea	40.0
Vision Operations (Vision Operations D2			FS54888	Sentinel Standard Desktop	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246161	24-Jan-03	Miscellaneous receipt	Ea	27.0
Vision Operations (Vision Operations D2			FS65101	Vision Pad - Bronze	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246162	24-Jan-03	Miscellaneous receipt	Ea	24.0
Vision Operations (Vision Operations D2			FS65102	Vision Pad - Bronze	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246066	24-Jan-03	Miscellaneous receipt	Ea	30.0
Vision Operations (Vision Operations D2			FS65103	Vision Pad - Gold	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246163	24-Jan-03	Miscellaneous receipt	Ea	25.0
Vision Operations (Vision Operations D2			FS66629	Envoy Ruggedized Laptop	Finished good	Active	Yes	Yes	5-Feb-03	0.0000				Ea	0.0
Vision Operations (Vision Operations D2			FS72111	Envoy Deluxe Laptop	Finished good	Active	Yes	Yes	20-Jan-03	0.0000	5246165	24-Jan-03	Miscellaneous receipt	Ea	22.0
Vision Operations (Vision Operations D2			FS89108	Power / Recharging Unit	Purchased item	Active	Yes	Yes	17-Jun-03	0.0000				Ea	0.0
Vision Operations (Vision Operations D2			FS89109	Power / Recharging Unit	Purchased item	Active	Yes	Yes	17-Jun-03	0.0000				Ea	0.0
Vision Operations (Vision Operations D2			FS90000	Power/Recharging Unit	Purchased item	Active	Yes	Yes	17-Jun-03	0.0000				Ea	0.0

- Find your items with no costs
- Search by range of item creation dates
- Identify items with onhand quantities and last transaction date

Use MRP Audits to Find BOM/Routing Issues

Menu path: Cost Management – SLA => Reports => Audits => Audit Information Report
Supply Chain Planner => Reports => Audit Information Report

 Can be Useful for Costing

Submit Request (DEB)

Run this Request...

Name

Audit Information Report

Operating Unit

Parameters

At the

Application

BOM

Bills of Material

Audit

All audits

Summary

Yes

Upon C

Notify

Print to

noprint

Help (C)

Submit

Parameters

Show

Warnings and Errors

At the

Application

BOM

Bills of Material

Audit

All audits

Summary

Yes

Upon C

Notify

Print to

noprint

OK

Cancel

Clear

Audit

Find %

Audit

All audits

Bills common to non-existent bills

Bills common to other bills with different alternate designators

Bills in bom_inventory_components but don't exist in bom_bill_of_materials

Bills that are buy items

Bills that do not exist in the item master

Bills that exist in both manufacturing and engineering

Bills with BOM enabled flag set to No

Bills with no components

Capacity modifications that add already existing workdays

Components that do not exist in item master

Components with BOM enabled flag set to No

Components with incorrect number of reference designators

Components with revised_item_sequence_ids that don't exist in eng_revised...

Components with zero usage quantity

Costed items not assigned to the costing category set

Costed items with no frozen costs

ECOs with future implementation dates

Items that do not have revisions

Items that have incorrect summary costs

Op res with autocharge of PO Move or PO Receipt and no location or purcha...

Op resources with autocharge of PO Move or PO Receipt and negative usag...

Operation sequences that use invalid resources

Operations that have lead time percents or offset percents exceeding 100%

Operations with non-existent routing_sequence_ids

Planned, purchased bills ignored by MRP

Routings common to non-existent routings

Routings common to other routings with different alternate designators

Routings that do not exist in the item master

Routings that exist in both manufacturing and engineering

Routings with zero processing time

Routings without corresponding revisions

Standard operations which use invalid resources

Find

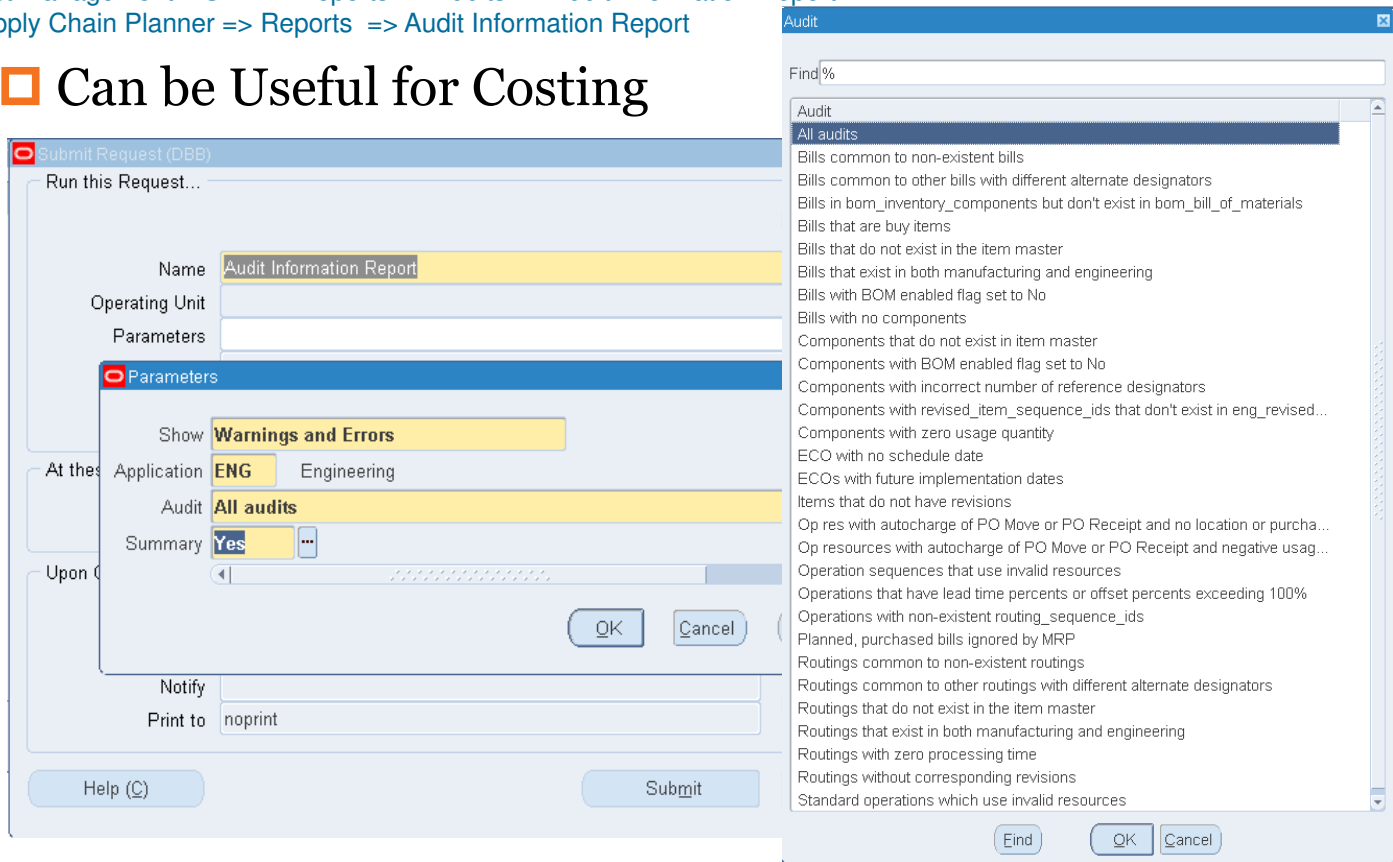
OK

Cancel

Use MRP Audits to Find Engineering BOM/Routing Issues

Menu path: Cost Management – SLA => Reports => Audits => Audit Information Report
Supply Chain Planner => Reports => Audit Information Report

 Can be Useful for Costing



The screenshot shows the 'Submit Request (DBB)' window for the 'Audit Information Report'. The 'Name' field is set to 'Audit Information Report'. The 'Parameters' window is open, showing 'Show' set to 'Warnings and Errors', 'Application' set to 'ENG' (Engineering), 'Audit' set to 'All audits', and 'Summary' set to 'Yes'. The 'Notify' field is empty, and the 'Print to' field is set to 'noprint'. The 'Submit' button is visible at the bottom right. A list of audit categories is displayed on the right side of the window, including 'All audits', 'Bills common to non-existent bills', 'Bills common to other bills with different alternate designators', 'Bills in bom_inventory_components but don't exist in bom_bill_of_materials', 'Bills that are buy items', 'Bills that do not exist in the item master', 'Bills that exist in both manufacturing and engineering', 'Bills with BOM enabled flag set to No', 'Bills with no components', 'Components that do not exist in item master', 'Components with BOM enabled flag set to No', 'Components with incorrect number of reference designators', 'Components with revised_item_sequence_ids that don't exist in eng_revised...', 'Components with zero usage quantity', 'ECO with no schedule date', 'ECOs with future implementation dates', 'Items that do not have revisions', 'Op res with autocharge of PO Move or PO Receipt and no location or purcha...', 'Op resources with autocharge of PO Move or PO Receipt and negative usag...', 'Operation sequences that use invalid resources', 'Operations that have lead time percents or offset percents exceeding 100%', 'Operations with non-existent routing_sequence_ids', 'Planned, purchased bills ignored by MRP', 'Routings common to non-existent routings', 'Routings common to other routings with different alternate designators', 'Routings that do not exist in the item master', 'Routings that exist in both manufacturing and engineering', 'Routings with zero processing time', 'Routings without corresponding revisions', and 'Standard operations which use invalid resources'.

Use MRP Audits to Find MRP Planning Issues

Menu path: Cost Management – SLA => Reports => Audits => Audit Information Report
Supply Chain Planner => Reports => Audit Information Report

 Can be Useful for Costing

Submit Request (DBB)

Run this Request...

Name

Audit Information Report

Operating Unit

Parameters

Parameters

Show

Warnings and Errors

At the Application

MRP

Master Scheduling/MRP

Audit

All audits

Summary

Yes

Upon Completion

Notify

Print to

noprint

Help (C)

Submit

Find %

Audit

All audits

Duplicate suppliers

Forecast entries with a zero confidence percent

Forecast load rows that failed in MRP_LOAD_PARAMETERS

Forecasted items that are not planned and are not planning items or models

Items that are MRP or MPS planned but with no planning exception set

Items that are not planned

Items that are planned as buy but are not purchasable

Items that are planned as make but are not made in WIP

Items that are planned but not in the planning category set

Items with an invalid shrinkage factor

Planned items with no gross requirements or scheduled receipts

Planned items with zero full lead time

Planned make items with postprocessing lead time

Planning organizations with invalid quarterly calendar types

Repetitive items with pre or post processing lead time

Repetitive master schedule entries with invalid workdates

Repetitive planning flag in mtl_system_items is null

Repetitively planned purchased components

Rows that errored in the the table MRP_RELIEF_INTERFACE

Rows that failed in MRP_SALES_ORDER_UPDATES

Rows that failed in the forecast interface table

Rows that failed in the schedule interface table

Schedule date rows with sales order orig that have null source sales order id

Schedule entries for discrete items no original quantities

Schedule entries for discrete items with end date

Schedule entries for repetitive items with no end date

Schedule load rows that failed in MRP_LOAD_PARAMETERS

Scheduled items that are not planned

Find

OK

Cancel

Summary

- Cost Rollup Based Upon
 - Buy item material costs
 - Material overhead rates
 - Routings
 - Resource rates
 - Resource (Production) overhead rates
 - Bills of material
 - Assignment sets (using Sourcing Rules to get costs from other Orgs)

- Custom/Blitz Reporting Necessary to Find Data Integrity Errors
 - See <https://www.enginatics.com/blitz-report/> for more information

- Plan Sufficient Review Time to Catch Errors

Summary – Cost Rollup Item Cost Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Cost Type Comparison Report	CAC Item Cost Type Comparison CAC Item Cost Type Comparison – No Currencies	Any two orgs, any two cost types, with or without currency conversion
Detailed Item Cost Report	CAC Item Cost & Routing	Sub-element details with routings
Elemental Item Cost Report	CAC Item Cost Summary	See cost attributes and cost elements
Item Cost Reports	CAC Item Cost & Routing CAC Item Cost Summary	See above
Supply Chain Indented Bill of Material Cost Report (From static BOM)	CST Supply Chain Indented Bills of Material Cost (Need to run the Cost Rollup first)	Need to run the Cost Rollup first, but much better Excel layout
Item Where Used Report GUI	CAC Where Used by Cost Type	Single-level explosion for all items in the Cost Type, can limit to zero item costs
N/A	CAC Sourcing Rule	Can report organization and supplier sourcing rules

Summary – Cost Rollup Error-Checking Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
N/A	CAC Cost vs. Planning Item Controls	Twelve error-checking reports
N/A	CAC Department Overhead Setup Errors CAC Resources Associated with Overheads Setup	1) Find overheads assigned to resources but not assigned to departments 2) Find resources assigned to departments but not assigned to overheads
N/A	CAC User-Defined and Rolled Up Costs	To prevent doubling-up costs
N/A	CAC Inactive Items Set to Roll Up	Find items which should not be rolled up
N/A	CAC Item vs. Component Include in Rollup Controls	Compare Item Master to BOM settings to ensure components included in rollup
N/A	CAC Zero Item Cost	Find items at a zero item cost
N/A	New Standard Item Costs	Standard cost history report
MRP Audit Reports	See above CAC reports	

Summary – Pending Inventory Revaluation Reports

Oracle Report	Blitz™ CAC Report (Multi-Org Excel Reporting)	Blitz™ Report Purpose?
Inventory Standard Cost Adjustment (Pending)	CAC Inventory Pending Cost Adjustment	Both revaluation and item cost changes (even if no onhand quantities), with currency changes as well
Intransit Standard Cost Adjustment (Pending)	CAC Inventory Pending Cost Adjustment	Both onhand and intransit quantities, either “real-time” or using prior period-end quantities
WIP Standard Cost Adjustment (Pending)	CAC WIP Pending Cost Adjustment	Pending revaluation report for WIP

Appendix

- Effectivity Date Example
- Sourcing Rules and Assignment Sets
- Standard Oracle Item Cost Inquiries and Reports

Appendix

- Effectivity Date Example
- Sourcing Rules and Assignment Sets
- Standard Oracle Item Cost Inquiries and Reports

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings

Routings (M1)

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

☐ Capable To Promise

Revision

A

Date

24-SEP-2018 16:12:47

[...]

Display

Future and Current

☒ Implemented Only

Operations

Main

Date Effectivity

WIP

Operation Yield

ECO

Description

Referenced

Seq	Code		Department	Option Dependent	Lead Time %	
10	XDTA	<input type="checkbox"/>	X DeskTop	<input type="checkbox"/>	0	[]
20	XDTT	<input type="checkbox"/>	X DeskTop	<input type="checkbox"/>	32.75	...
30	XDTP	<input type="checkbox"/>	X DeskTop	<input type="checkbox"/>	64.76	...
		<input type="checkbox"/>		<input type="checkbox"/>		...
		<input type="checkbox"/>		<input type="checkbox"/>		...

Routing Details

Routing Revisions

Operation Resources

Operation Competencies

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

Capable To Promise

Revision

A

Date

24-SEP-2018 16:12:47

[...]

Display

Future and Current

Implemented Only

Operations

Main

Date Effectivity

WIP

Operation Yield

ECO

Description

Referenced

Seq	Code		Effectivity Date	Disable Date
10	XDTA	<input type="checkbox"/>	26-JAN-2004 13:38:15	
20	XDTT	<input type="checkbox"/>	26-JAN-2004 13:38:15	
30	XDTP	<input type="checkbox"/>	26-JAN-2004 13:38:15	
		<input type="checkbox"/>		
		<input type="checkbox"/>		

[]

...

...

...

...

...

...

...

...

...

Routing Details

Routing Revisions

Effectivity date determines which operations will be used by the Cost Rollup

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

☐ Capable To Promise

Revision

A

Date

24-SEP-2018 16:12:47

Display

Future and Current

☒ Implemented Only

Operations

Main

Date Effectivity

WIP

Operation Yield

ECO

Description

Referenced

Seq	Code		Yield	CUM Yield	Include In Rollup
10	XDTA	<input type="checkbox"/>			<input checked="" type="checkbox"/>
20	XDTT	<input type="checkbox"/>			<input checked="" type="checkbox"/>
30	XDTP	<input type="checkbox"/>			<input checked="" type="checkbox"/>
		<input type="checkbox"/>			
		<input type="checkbox"/>			

[]

No operation yield unless using OSFM

Routing Details

Routing Revisions

Operation Resources

Operation Competencies

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings => Operation Resources Button

Operation Resources (M1) - 10

ItemXA7000

Alternate

Sequence10

Effective Date26-JAN-2004 13:38:15

Resources

Main

Scheduling

Costing

Seq	Resource	UOM	Basis	Usage	Inverse
10	X DTASSY	HR	Item	5.5	.181818

Alternates

5.5 hours

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings => Operation Resources Button

Operation Resources (M1) - 20

Item

XA7000

Alternate

Sequence

20

Effective Date

26-JAN-2004 13:38:15

Resources

Main


Scheduling

Costing

Rate or Amount						
Seq	Resource	UOM	Basis	Usage	Inverse	[]
10	X DTTST	HR	Item	4.5	.222222	

Alternates

4.5 hours

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Slide 88

Define Routings (BOM Responsibility)

Menu path: Bills of Material => Routings => Routings => Operation Resources Button

Operation Resources (M1) - 30

Item

XA7000

Alternate

Sequence

30

Effective Date

26-JAN-2004 13:38:15

Resources

Main

Scheduling

Costing

Rate or Amount						
Seq	Resource	UOM	Basis	Usage	Inverse	
10	X DTPACK	HR	Item	1.5	.666667	

Alternates

1.5

hours

Define Bills of Material (BOM Responsibility)

Main Page

Menu path: Bills of Material => Bills

Bills of Material (M1)

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

Revision

A

Date

24-SEP-2018 16:20:11

[.]

Display

Future and Current

☒ Implemented Only

Main

Date Effectivity

Unit Effectivity

ECO

Component Details

Material Control

Order Management

Purchasing

Item Seq

Operation Seq

Component

Item Description

Revision

UOM

Basis

[.]

10

10

XC7000

Standard Desktop Case

A

Ea

Item

[.]

20

10

XC7001

Standard Desktop Motherboard

A

Ea

Item

[.]

30

10

XC7102

Std. Desktop Monitor II

A

Ea

Item

[.]

40

10

XC7003

Standard Desktop Keyboard

A

Ea

Item

[.]

50

10

XC7004

Standard Desktop Overlay

A

Ea

Item

[.]

Substitutes

Designators

Operations

Bill Details

Revision

Define Bills of Material (BOM Responsibility)

Menu path: Bills of Material => Bills

Main Page

Bills of Material (M1)

ItemXA7000Standard DesktopUOMEa

Alternate

RevisionA

Date24-SEP-2018 16:20:11

DisplayFuture and Current

☒ Implemented Only

MainDate EffectivityUnit EffectivityECOComponent DetailsMaterial ControlOrder ManagementPurchasing

Item Seq

Operation Seq

Component

Quantity

Inverse Usage

Eng Item

10	10	XC7000	1	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20	10	XC7001	1	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
30	10	XC7102	1	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40	10	XC7003	1	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
50	10	XC7004	1	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Auto Request Material

Substitutes

Designators

Operations

Bill Details

Revision

Scroll over for quantities

Define Bills of Material (BOM Responsibility)

Page 1

Menu path: Bills of Material => Bills

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

Revision

A

Date

24-SEP-2018 16:20:11

[.]

Display

Future and Current

☒ Implemented Only

Main

Date Effectivity

Unit Effectivity

ECO

Component Details

Material Control

Order Management

Purchasing

Item Seq

Operation Seq

		Component	From	To	[.]
10	10	XC7000	14-JAN-2004 09:20:52		
20	10	XC7001	14-JAN-2004 09:20:56		
30	10	XC7102	05-APR-2005 05:41:30		
40	10	XC7003	14-JAN-2004 09:21:03		
50	10	XC7004	14-JAN-2004 09:21:08		

Substitutes

Designators

Operations

Bill Details

Revision

Effectivity date determines which components will be used by the Cost Rollup

Define Bills of Material (BOM Responsibility)

Menu path: Bills of Material => Bills

Scroll down to page 2

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

Revision

A

Date

24-SEP-2018 16:20:11

Display

Future and Current

☒ Implemented Only

Main

Date Effectivity

Unit Effectivity

ECO

Component Details

Material Control

Order Management

Purchasing

Item Seq

Operation Seq

Component

From

To

60	10	XC7005	14-JAN-2004 09:21:12	
70	10	XC7006	14-JAN-2004 09:21:17	
80	10	XC7007	14-JAN-2004 09:21:22	
90	10	XC7008	14-JAN-2004 09:21:26	
100	10	XC7009	14-JAN-2004 09:21:31	
120	10	XC7020	01-JUL-2005 07:33:17	

Substitutes

Designators

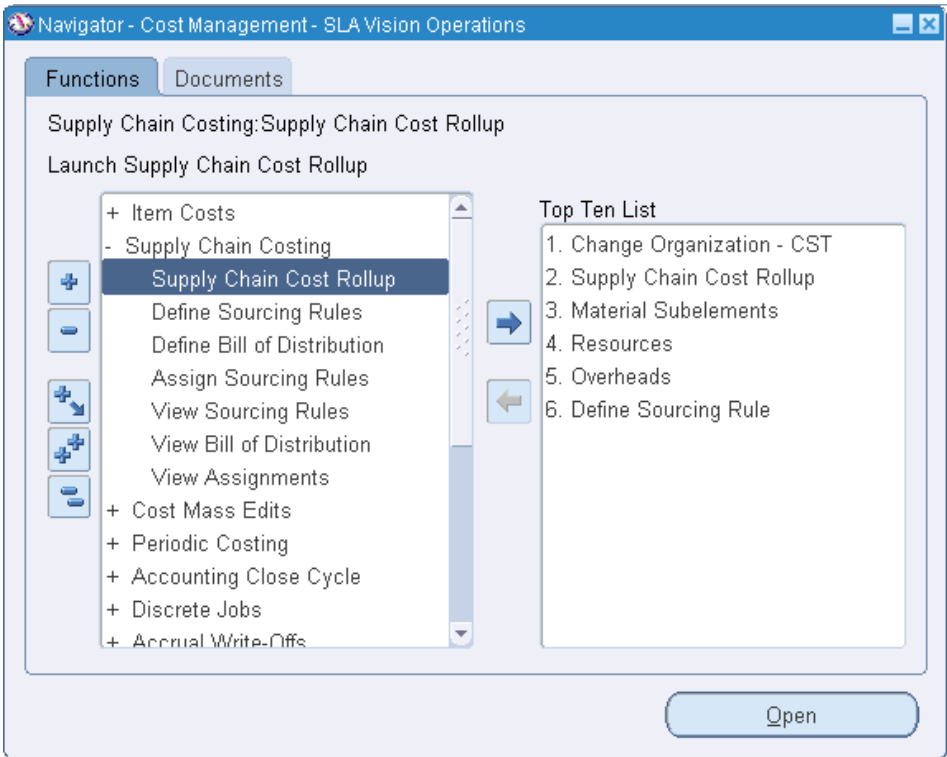
Operations

Bill Details

Revision

Effectivity date determines which components will be used by the Cost Rollup

Supply Chain Cost Rollup – Using Effectivity Dates



Cost Rollup Choices

Reports

Find %

Name	Application
Supply Chain Cost Rollup - No Report	Bills of Mat
Supply Chain Cost Rollup - Print Report	Bills of Mat
Temporary Supply Chain Cost Rollup - Print Report	Bills of Mat

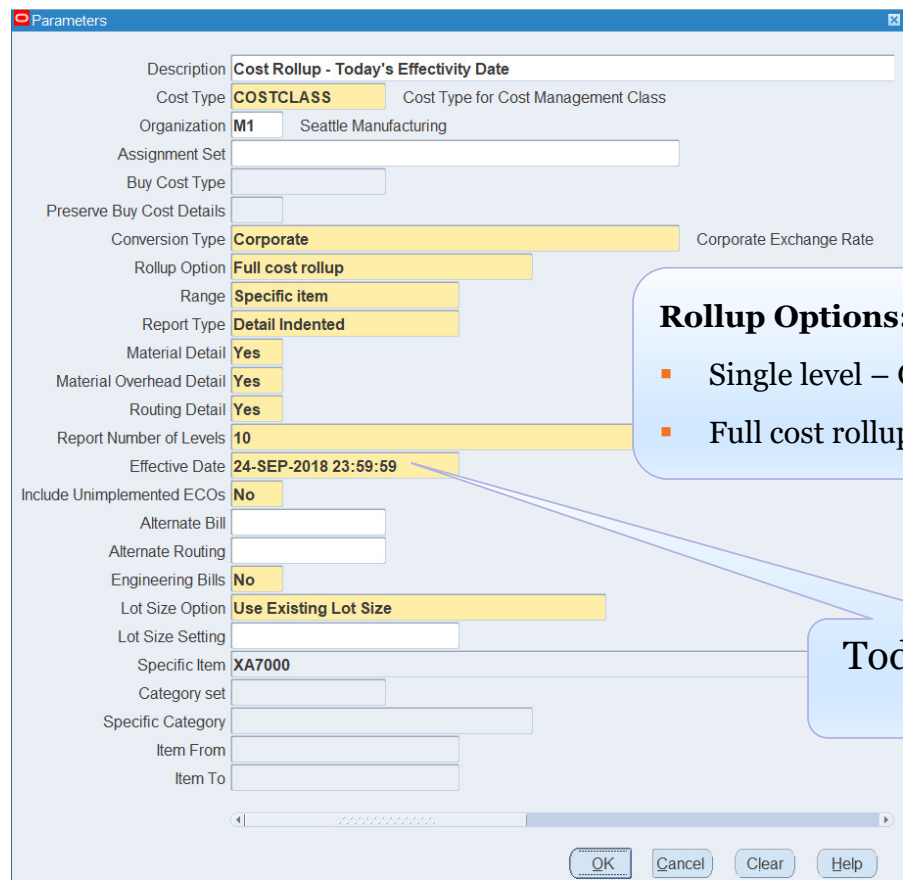
Find

OK

Cancel

- Supply Chain Cost Rollup – No Report: rolls up costs, changes Pending, but no report
- Supply Chain Cost Rollup – Print Report: rolls up costs, changes Pending and creates report
- Temporary Supply Chain Cost Rollup – Print Report: rolls up costs, only produces a report

Cost Rollup Parameters – Today's Effectivity Date



Rollup Options:

- Single level – Goes down one level and rolls up costs
- Full cost rollup – Fully explodes the BOM

Today's effectivity date

Cost Rollup Parameters – Today’s Effectivity Dates

Supply Chain Cost Rollup (M1)

Run this Request...

Copy...

Name

Supply Chain Cost Rollup - Print Report

Operating Unit

Parameters

Cost Rollup - Today's Effectivity Dates:COSTCLASS:M1:::Corporate:Full cost rollup:Specif

Language

American English

Language Settings...

Debug Options

At these Times...

Run the Job

As Soon as Possible

Schedule...

Upon Completion...

☒ Save all Output Files

☐ Byrst Output

Layout

Options...

Notify

Delivery Opts

Print to

noprint

Help (C)

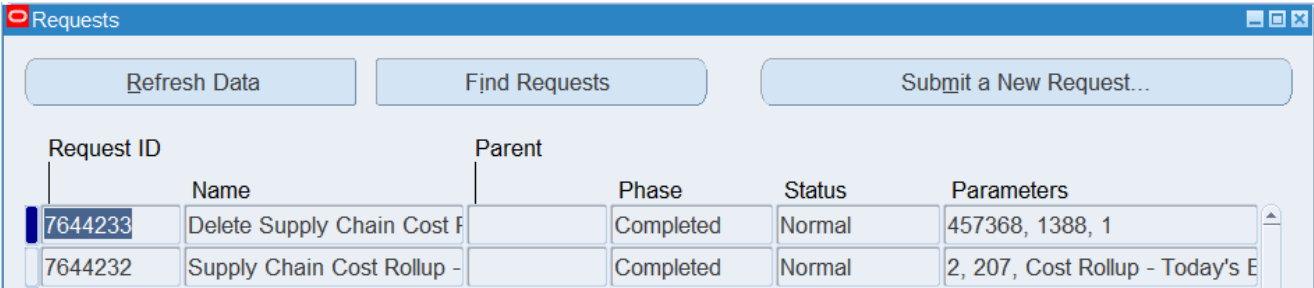
Submit

Cancel

Click here

Cost Rollup Concurrent Submission

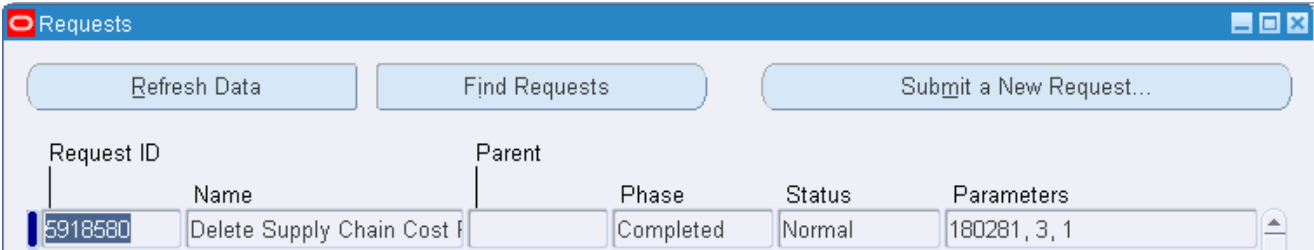
- Two Concurrent Jobs are Submitted When You Run the Cost Rollup with Report:



The screenshot shows the 'Requests' window with three buttons at the top: 'Refresh Data', 'Find Requests', and 'Submit a New Request...'. Below these is a table with columns: Request ID, Name, Parent, Phase, Status, and Parameters. Two rows are visible, both with a 'Completed' phase and 'Normal' status.

Request ID	Name	Parent	Phase	Status	Parameters
7644233	Delete Supply Chain Cost F		Completed	Normal	457368, 1388, 1
7644232	Supply Chain Cost Rollup -		Completed	Normal	2, 207, Cost Rollup - Today's E

- But only one job when you run Temporary Report:



The screenshot shows the 'Requests' window with the same three buttons at the top. The table below has the same columns as the previous screenshot, but only one row is visible, with a 'Completed' phase and 'Normal' status.

Request ID	Name	Parent	Phase	Status	Parameters
5918580	Delete Supply Chain Cost F		Completed	Normal	180281, 3, 1

Cost Rollup Concurrent Submission

- What Do These Two Programs Do?
 - Supply Chain Cost Rollup calculates the new rolled up values into the Cost Type

Requests					
Refresh Data		Find Requests		Submit a New Request...	
Request ID	Name	Parent	Phase	Status	Parameters
7644233	Delete Supply Chain Cost F...		Completed	Normal	457368, 1388, 1
7644232	Supply Chain Cost Rollup -		Completed	Normal	2, 207, Cost Rollup - Today's E...

- Delete Supply Chain Cost Rollup cleans up various temp tables:
 - CST_SC_BOM_EXPLOSION
 - CST_SC_LOW_LEVEL_CODES
 - CST_SC_BOM_STRUCTURES
 - CST_SC_LISTS
- Patch for Performance Issues on the Delete Supply Chain Cost Rollup Program:
Patch 33074934 - DELETE SUPPLY CHAIN COST ROLLUP DATA PERFORMANCE ISSUE

Indented Bill of Material Cost Report

– Today’s Effectivity Dates

Supply Chain Bills of Material Indented Cost Report

Rollup ID: 457368
Description: Cost Rollup - Today's Effectivity Date
Cost Type: COSTCLASS
Buy Cost Type:
Preserve Buy Cost Details: No
Organization: M1 Seattle Manufacturing
Assignment Set:
Conversion Type: Corporate
Report Type: Detail Indented
Material Detail: Yes
Material Overhead Detail: Yes
Routing Detail: Yes
Report Level: 11
Rollup Option: Full cost rollup
Range: Specific item
Effective Date: 2018/09/24 23:59:59
Include Unimplemented ECOs: No
Alternate BOM:
Alternate Routing:
Engineering Bill: No
Lot Size Option: Use Existing Lot Size
Lot Size Setting:
Item: XA7000
Item From:
Item To:
Category Set: Inv.Items
Category:

Report submission information

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Rolled Up Costs

Indented Bill of Material Cost Report – Today’s Effectivity Dates

Rollup ID: 457368

Cost Type: COSTCLASS

Buy Cost Type:

Assignment Set:

Conversion Type: Corporate

Supply Chain Bills of Material Indented Cost Report

Report Date: 24-SEP-2018 15:58:15

Page: 3

Revision Date: 2018/09/24 23:59:59

Alternate BOM:

Alternate Routing:

Organization: M1

Assembly: XA7000

Seattle Manufacturing

Standard Desktop

Currency Code: USD

UOM: Ea

Category: COMPUTER.DESKTOP

Cost Element	Standard Cost	Report Value	Difference	Percent
Material	809.11000	809.11000	0.00000	0.0
Material Overhead	0.00000	0.00000	0.00000	0.0
Resource	314.75000	314.75000	0.00000	0.0
Outside Processing	0.00000	0.00000	0.00000	0.0
Overhead	0.00000	0.00000	0.00000	0.0
Total	1,123.86000	1,123.86000	0.00000	

* This cost may include this level material, material overhead or routing costs.

This cost includes previous levels not displayed on the report.

***** End of Report *****

Current Frozen Costs

As Reported Costs

Item Cost After Cost Rollup (Cost Responsibility)

Menu path: Cost Management => Item Costs => Item Costs

Item Costs Summary (M1)

Standard

Item	Cost Type	Based on Rollup	Unit Cost	Material	Material Overhead
XA7000	COSTCLASS	<input checked="" type="checkbox"/>	1,123.86000	809.11000	

Item Costs (M1) - XA7000, COSTCLASS

Cost Information

Activity Information

User Defined Item Costs

Cost Element	Sub-Element	Activity	Basis	Rate or Amount	Unit Cost

Basis Factor

MFG Shrinkage Factor

Rollup Item Costs

Material	Material		Item	809.11	809.11000
Resource	X DTASSY		Item	5.5	134.75000
Resource	X DTTST		Item	4.5	157.50000
Resource	X DTPACK		Item	1.5	22.50000

Basis Factor

MFG Shrinkage Factor

Source Type

Rolled up

No user defined costs

Rolled up costs

Item Cost After Cost Rollup (Cost Responsibility)

Menu path: Cost Management => Item Costs => Item Costs

- What Happens If the Effectivity Date Changes?
 - Cost Rollup will roll up to the entered effectivity date
 - See next pages for an example using effectivity date 31-Dec-2004
 - See how this affects the components
(effectivity date also applies to the routing operations)

Cost Rollup Parameters – Prior Effectivity Date

Parameters

Description

Cost Rollup - Effectivity Date 31-Dec-2004

Cost Type

COSTCLASS

Cost Type for Cost Management Class

Organization

M1

Seattle Manufacturing

Assignment Set

Buy Cost Type

Preserve Buy Cost Details

Conversion Type

Corporate

Corporate Exchange Rate

Rollup Option

Full cost rollup

Range

Specific Item

Report Type

Detail Indented

Material Detail

Yes

Material Overhead Detail

Yes

Routing Detail

Yes

Report Number of Levels

10

Effective Date

31-DEC-2004 23:59:59

Include Unimplemented ECOs

No

Alternate Bill

Alternate Routing

Engineering Bills

No

Lot Size Option

Use Existing Lot Size

Lot Size Setting

Specific Item

XA7000

Category set

Specific Category

Item From

Item To

OK

Cancel

Clear

Help

Prior effectivity date
31-Dec-2004

Define Bills of Material (BOM Responsibility)

Menu path: Bills of Material => Bills

Item

XA7000

Standard Desktop

UOM

Ea

Alternate

Revision

A

Date

19-OCT-2019 01:13:38

Display

All

Implemented Only

Display All

Main

Date Effectivity

Unit Effectivity

ECO

Component Details

Material Control

Order Management

Purchasing

Shipping

Item Seq

Operation Seq

Component

80	10	XC7007	14-JAN-2004 09:21:2	
90	10	XC7008	14-JAN-2004 09:21:2	
100	10	XC7009	14-JAN-2004 09:21:31	
110	10	XC7010	14-JAN-2004 09:21:39	01-JUL-2005 07:33:17
120	10	XC7020	01-JUL-2005 07:33:17	

This component will be reported

This component will not be reported

Substitutes

Designators

Operations

Bill Details

Revision

Indented Bill of Material Cost Report

– Today’s Effectivity Dates

Supply Chain Bills of Material Indented Cost Report

Rollup ID: 457369
Description: Cost Rollup - Effectivity Date 31-Dec-2004
Cost Type: COSTCLASS
Buy Cost Type:
Preserve Buy Cost Details: No
Organization: M1 Seattle Manufacturing
Assignment Set:
Conversion Type: Corporate
Report Type: Detail Indented
Material Detail: Yes
Material Overhead Detail: Yes
Routing Detail: Yes
Report Level: 11
Rollup Option: Full cost rollup
Range: Specific item
Effective Date: 2004/12/31 23:59:59
Include Unimplemented ECOs: No
Alternate BOM:
Alternate Routing:
Engineering Bill: No
Lot Size Option: Use Existing Lot Size
Lot Size Setting:
Item: XA7000
Item From:
Item To:
Category Set: Inv.Items
Category:

Prior effectivity date

Indented Bill of Material Cost Report – Today’s Effectivity Dates

Cost Type: COSTCLASS
Buy Cost Type:
Assignment Set:
Conversion Type: Corporate

Supply Chain Bills of Material Indented Cost Report

Page: 2

Revision Date: 2004/12/31 23:59:59
Alternate BOM:
Alternate Routing:

Organization: M1
Assembly: XA7000

Seattle Manufacturing
Standard Desktop

Category: COMPUTER.DESKTOP

Currency Code: USD
UOM: Ea

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup Based On Rollup Asset/Costed			Yield/ Phtm Basis	Planning % UOM Rate	Quantity/ Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
0		XA7000	Standard Desk	M1	A	Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,155.07000		USD
	20	Resource	X DTASSY	X DeskTop			Yes		Item	HR	5.50	1.00	5.50	24.50000	134.75000	
	20	Resource	X DTTST	X DeskTop			Yes		Item	HR	4.50	1.00	4.50	35.00000	157.50000	
	30	Resource	X DTPACK	X DeskTop			Yes		Item	HR	1.50	1.00	1.50	15.00000	22.50000	
.1	10	XC7000	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	165.55000		USD
		Material	Material						Item	USD	165.55	1.00	165.55	165.55000	165.55000	
.1	10	XC7001	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	134.31000		USD
		Material	Material						Item	USD	134.31	1.00	134.31	134.31000	134.31000	
.1	10	XC7002	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	149.57000		USD
		Material	Material						Item	USD	149.57	1.00	149.57	149.57000	149.57000	
.1	10	XC7003	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	25.94000		USD
		Material	Material						Item	USD	25.94	1.00	25.94	25.94000	25.94000	
.1	10	XC7004	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	1.71000		USD
		Material	Material						Item	USD	1.71	1.00	1.71	1.71000	1.71000	
.1	10	XC7005	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	21.37000		USD
		Material	Material						Item	USD	21.37	1.00	21.37	21.37000	21.37000	
.1	10	XC7006	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	256.41000		USD
		Material	Material						Item	USD	256.41	1.00	256.41	256.41000	256.41000	
	10	XC7007	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	25.64000		USD
		Material	Material						Item	USD	25.64	1.00	25.64	25.64000	25.64000	
	10	XC7008	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	17.09000		USD
		Material	Material						Item	USD	17.09	1.00	17.09	17.09000	17.09000	
.1	10	XC7009	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	17.09000		USD
		Material	Material						Item	USD	17.09	1.00	17.09	17.09000	17.09000	
.1	10	XC7010	Standard Desk	M1	A	Yes	No	Yes	No	Item	1.00	100	Ea	25.64000		USD
		Material	Material						Item	USD	25.64	1.00	25.64	25.64000	25.64000	
															1,155.07000 USD	=====

Indented Bill of Material Cost Report – Today’s Effectivity Dates

Rollup ID: 457369

Cost Type: COSTCLASS
Buy Cost Type:
Assignment Set:
Conversion Type: Corporate

Supply Chain Bills of Material Indented Cost Report

Report Date: 24-SEP-2018 16:41:07
Page: 3
Revision Date: 2004/12/31 23:59:59
Alternate BOM:
Alternate Routing:

Organization: M1
Assembly: XA7000

Seattle Manufacturing
Standard Desktop

Category: COMPUTER.DESKTOP

Currency Code: USD
UOM: Ea

Cost Element	Standard Cost	Report Value	Difference	Percent
Material	809.11000	840.32000	-31.21000	-3.9
Material Overhead	0.00000	0.00000	0.00000	0.0
Resource	314.75000	314.75000	0.00000	0.0
Outside Processing	0.00000	0.00000	0.00000	0.0
Overhead	0.00000	0.00000	0.00000	0.0
Total	1,123.86000	1,155.07000	-31.21000	

Bill of material effectivity changes

* This cost may include this level material, material overhead or routing costs.
This cost includes previous levels not displayed on the report.

***** End of Report *****

Item Cost After Cost Rollup (Cost Responsibility)

Menu path: Cost Management => Item Costs => Item Costs

Item Costs Summary (M1)

Item	Cost Type	Based on Rollup	Unit Cost	Material	Material Overhead
XA7000	COSTCLASS	<input checked="" type="checkbox"/>	1,155.07000	840.32000	

Item Costs (M1) - XA7000, COSTCLASS

Cost Information

Activity Information

User Defined Item Costs

Cost Element	Sub-Element	Activity	Basis	Rate or Amount	Unit Cost

Basis Factor

MFG Shrinkage Factor

Rollup Item Costs

Material	Material	Item	Rate or Amount	Unit Cost

Basis Factor

MFG Shrinkage Factor

Source Type

No user defined costs

Rolled up material costs have changed

Appendix

- Effectivity Date Example
- Sourcing Rules and Assignment Sets
- Standard Oracle Item Cost Inquiries and Reports

Supply Chain Cost Rollup – No Assignment Sets

Cost Rollup Bill – Rework Bill

Menu path: Bills of Material => Bills

Bills of Material (D2)

ItemAS54888Sentinel Standard DesktopUOMEa

Alternate

RevisionADate07-MAY-2012 17:35:04

DisplayFuture and Current☒ Implemented Only

MainDate EffectivityUnit EffectivityECOComponent DetailsMaterial ControlOrder Management

Item Seq

	Operation Seq	Component	Revision	UOM	Basis	Quantity	Inverse Usage
10	10	AS18947	A	Ea	Item	1	1
20	10	SB68415	A	Ea	Item	-1	-1
30	10	SB90207	A	Ea	Item	1	1

Substitutes

Designators

Operations

Bill Details

Revision

Org D2: Create standard desktop unit by exchanging the chassis with the deluxe unit

Cost Rollup Bill – With Component Yield

Menu path: Bills of Material => Bills => Component Details Tab

Bills of Material (D2)

ItemAS54888Sentinel Standard DesktopUOMEa

Alternate

RevisionADate07-MAY-2012 17:35:04

DisplayFuture and CurrentImplemented Only

MainDate EffectivityUnit EffectivityECOComponent DetailsMaterial ControlOrder Management

Item Seq

Operation Seq

Component

Planning %

Yield

Enforce Integer Quantity

Include In Cost Rollup

Type

Status

10	10	AS18947	100	1	None	<input checked="" type="checkbox"/>	Finished good	Active
20	10	SB68415	100	1	None	<input checked="" type="checkbox"/>	Subassembly	Active
30	10	SB90207	100	9	None	<input checked="" type="checkbox"/>	Subassembly	Active
						<input type="checkbox"/>		
						<input type="checkbox"/>		

Substitutes

Designators

Operations

Bill Details

Revision

Org D2: For every ten reworked desktop units, one replacement chassis is lost

Cost Rollup Routing – No Assignment Sets

Menu path: Bills of Material => Routings => Routings

Routings (D2)

ItemAS54888Sentinel Standard DesktopUOMEa

Alternate

☐ Capable To Promise

RevisionADate07-MAY-2012 19:58:40

DisplayFuture and Current

☒ Implemented Only

Operations

MainDate EffectivityWIPOperation YieldECODescription

Referenced

Seq	Code	Department	Option Dependent	Lead Time %
10		<input type="checkbox"/> REWORK	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	
		<input type="checkbox"/>	<input type="checkbox"/>	


Routing Details

Routing Revisions

Operation Resources

Operation Competencies

Org D2: If not available from M1, rework a deluxe desktop to make a standard one

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Slide 115

Cost Rollup Routing – No Assignment Sets

Menu path: Bills of Material => Routings => Routings => Button Operation Resources

Operation Resources (D2) - 10

ItemAS54888

Alternate

Sequence10

Effective Date07-MAY-2012 19:51:42

Resources

Main

Scheduling

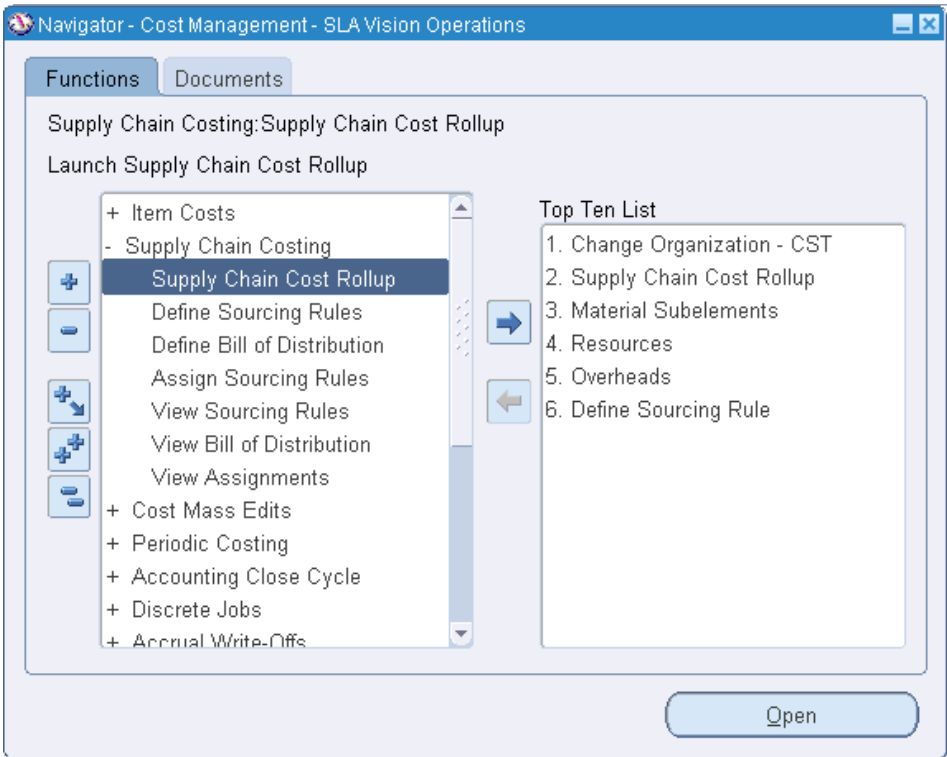
Costing

Seq	Resource	UOM	Basis	Usage	Inverse	
1	REWORK	HR	Item	5	.2	

Alternates

Org D2: Each reworked Desktop unit takes 5 hours

Supply Chain Cost Rollup – No Assignment Sets



Cost Rollup Choices

Reports

Find %

Name	Application
Supply Chain Cost Rollup - No Report	Bills of Mat
Supply Chain Cost Rollup - Print Report	Bills of Mat
Temporary Supply Chain Cost Rollup - Print Report	Bills of Mat

Find

OK

Cancel

- Supply Chain Cost Rollup – No Report: rolls up costs, changes Pending, but no report
- Supply Chain Cost Rollup – Print Report: rolls up costs, changes Pending and creates report
- Temporary Supply Chain Cost Rollup – Print Report: rolls up costs, only produces a report

Cost Rollup Parameters – Within the Org

Parameters

Description

With No Assignment Set

Cost Type

Pending

Pending Standard Cost Type

Organization

D2

Seattle Distribution Center

Assignment Set

Buy Cost Type

Preserve Buy Cost Details

Conversion Type

Corporate

Corporate Exchange R

Rollup Option

Full cost rollup

Range

Specific item

Report Type

Detail Indented

Material Detail

Yes

Material Overhead Detail

Yes

Routing Detail

Yes

Report Number of Levels

10

Effective Date

07-MAY-2012 23:59:59

Include Unimplemented ECOs

No

Alternate Bill

Alternate Routing

Engineering Bills

No

Lot Size Option

Use Existing Lot Size

Lot Size Setting

Specific Item

AS54888

OK

Cancel

Clear

Help

Rollup Options:

- Single level – Goes down one level and rolls up costs
- Full cost rollup – Fully explodes the BOM

Indented Bill of Material Cost Report

Rollup ID: 186284

Cost Type: REWORK
Buy Cost Type:
Assignment Set:
Conversion Type: Corporate

Supply Chain Bills of Material Indented Cost Report

Report Date: 07-MAY-2012 19:27:12
Page: 2
Revision Date: 2012/05/07 23:59:59
Alternate BOM:
Alternate Routing:

Organization: D2
Assembly: AS54888

Seattle Distribution Center
Sentinel Standard Desktop

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup Based On Rollup			Yield/ Phm Basis	Planning % UOM	Quantity/ Rate Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
						Yes	No	Asset/Costed								
0	10	AS54888	Sentinel Stan	D2	A	Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,700.20431		USD
	10	Resource	REWORK	REWORK				Yes	Item	HR	5.00	1.00	5.00	20.00000	100.00000	
	10	Overhead	DIST MGMT	REWORK					Item	USD	100.00	1.00	100.00		100.00000	
.1	1	SB68415	Chassis - Sen	D2	A	Yes	No	Yes	No	Item	1.00	0.00	-1.00	643.11962		USD
		Material	MATERIAL						Item	USD	643.12	1.00	-643.12		-643.11962	
.1	1	AS18947	Sentinel Delu	D2	A	Yes	Yes	Yes	No	Item	1.00	0.00	1.00	1,343.87949		USD
		Material	MATERIAL						Item	USD	1,343.88	1.00	1,343.88		1,343.87949	
.1	1	SB90207	Chassis - Sen	D2	A	Yes	Yes	Yes	No	Item	0.90	0.00	1.11	719.50000		USD
		Material	MATERIAL						Item	USD	719.50	1.00	799.44		799.44444	

Cost Element	Standard Cost	Report Value	Difference	Percent
Material	1,080.86600	1,500.20431	-419.33831	-38.8
Material Overhead	124.53781	0.00000	124.53781	0.0
Resource	84.16840	100.00000	-15.83160	-18.8
Outside Processing	1.50000	0.00000	1.50000	0.0
Overhead	15.73417	100.00000	-84.26583	-535.6
Total	1,306.80638	1,700.20431	-393.39793	

1,700.20431 USD
=====

Rolled Up Costs

Current Frozen Costs

As Reported Costs

Indented Bill of Material Cost Report - Parameters

Rollup ID: 186284

Cost Type: REWORK
Buy Cost Type:
Assignment Set:
Conversion Type: Corporate

Organization: D2
Assembly: AS54888

Cost Type and other parameters

The Org and Item you are rolling up

Seattle Distribution Center
Sentinel Standard Desktop

Effective date used

Alternate BOM or Routing

Report Date: 07-MAY-2012 19:27:12
Page: 2

Revision Date: 2012/05/07 23:59:59
Alternate BOM:
Alternate Routing:

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup			Yield/ Planning %	Quantity/ Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
						Based On Rollup	Asset/Costed	Ptmt Basis							
0		AS54888	Sentinel Stan	D2	A	Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,700.20431	USD
	10	Resource	REWORK	REWORK				Yes	Item	HR	5.00	1.00	5.00	20.00000	100.00000
	10	Overhead	DISTRIBUT	REWORK					Item	USD	100.00	1.00	100.00	100.00000	100.00000

Operation Sequence from the routing

Level 0 is the Top Level, each level after this "indents"

Composite report, with two headings, top heading for Item Numbers, bottom heading for Sub-Elements on a routing (or manually defined costs)

Indented BOM Cost Report – Item Information

Rollup ID: 186284

Cost Type: REWORK
Buy Cost Type:
Assignment Set:
Conversion Type: Corporate

Seattle Distribution Center
Sentinel Standard Desktop

Item Cost Controls

Basis

Item UOM

Assy Qty

Assy Shrink

Assy Extended Qty

Assy Cost

23:59:59

Report Date: 07-MAY-2012 19:27:12
Page: 2

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Item Number

Org

Rev

Include In Rollup
Based On Rollup
Asset/Costed

Op Item/ Description/ Org/ Last | | | Phtm Basis Yield/ Planning % Quantity/ Shrink/ Extended Qty/ Item Unit Cost/ Res Unit Cost Extended Cost |
Level Seq Cost Element Sub-Element Department Rev | | | Item 1.00 100 Ea -1.00 0.00 -1.00 643.11962 USD
0 10 AS54888 Sentinel Stan D2 A Yes Yes No Item 1.00 100 Ea 1.00 0.00 1.00 1,700.20431 USD
Resource REWORK REWORK Item HR 5.00 1.00 5.00 20.00000
Overhead DIST MGMT REWORK Item USD 100.00 1.00 100.00 100.00000
.1 1 SB68415 Chassis - Sen D2 A Yes No Yes No Item 1.00 100 Ea -1.00 0.00 -1.00 643.11962 USD
Material MATERIAL Item USD 643.12 1.00 -643.12 -643.11962
.1 1 AS18947 Sentinel Delu D2 A Yes Yes Yes No Item 1.00 100 Ea 1.00 0.00 1.00 1,343.87949 USD
Material MATERIAL Item USD 1,343.88 1.00 1,343.88 1,343.87949
.1 1 SB90207 Chassis - Sen D2 A Yes Yes Yes No Item 0.90 100 Ea 1.00 0.00 1.11 719.50000 USD
Material MATERIAL Item USD 719.50 1.00 799.44 799.44444

Operation Sequence from the routing

Component Yield

Component Qty

Item Cost

Component Extended Qty

Extended Cost

Level 0 is the Top Level, each level after this "indents".
Level .1 is the first "previous level" for components and its resources

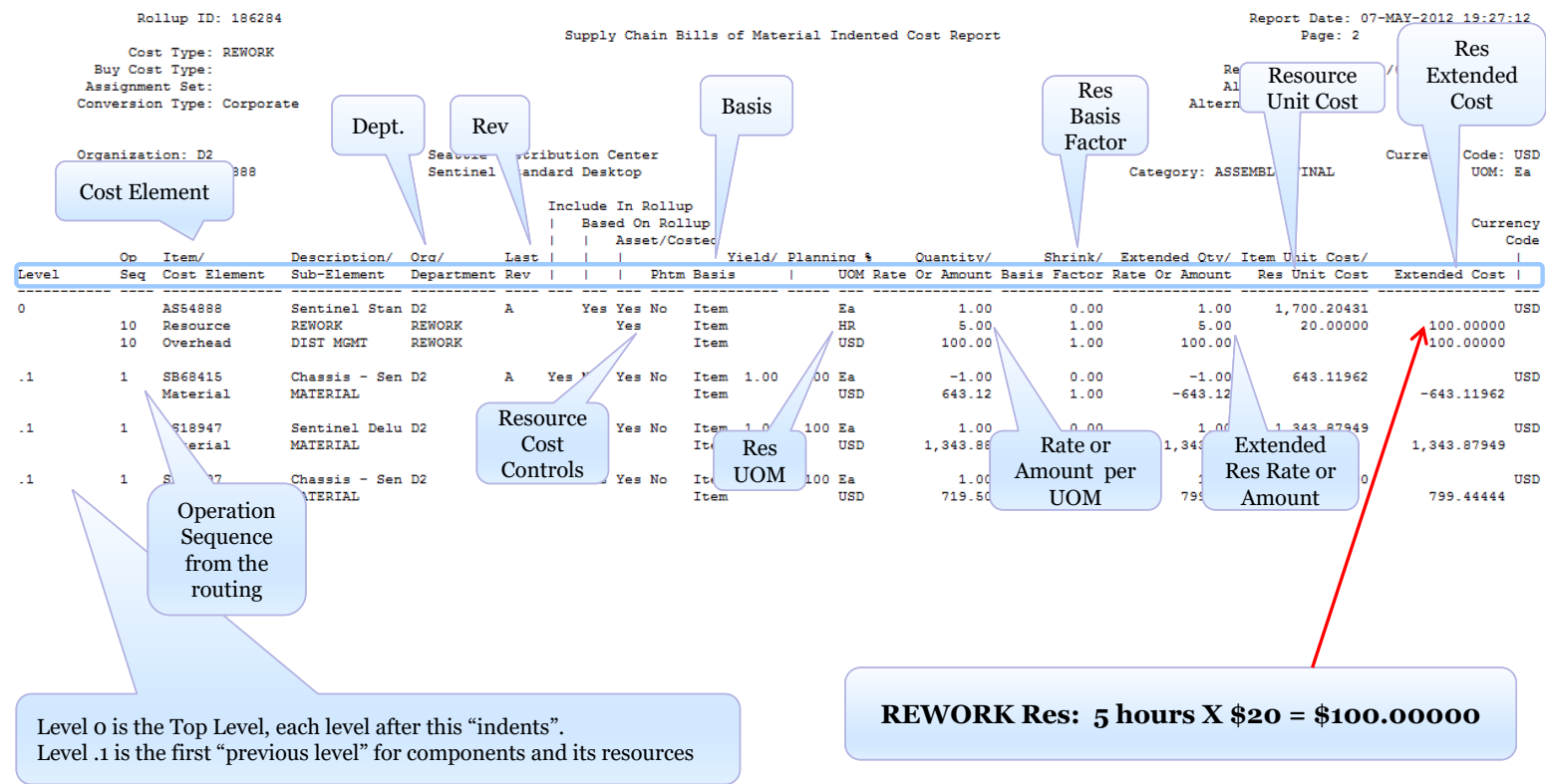
Indented BOM Cost Report – Report Profile

Menu path: Cost Management => Setup => Profiles => INV: Dynamic Precision Option for Quantity

[illegible]

This profile governs the Inventory, BOM, WIP and Costing report precision for quantities (but not used on Purchasing Reports)

Indented BOM Cost Report – Resource Info.



Indented BOM Cost Report – Resource Info.

Resource Usage on Routing X Rate = Extended Amount

$5 \times 20 = 100$

Resources (D2)

Resource

REWORK

Description

Rework labor

Type

Person

Charge Type

WIP Move

UOM

HR

Basis

Item

Expenditure Type

Supply Subinventory

Supply Locator

☐ Outside Processing

Item

☒ Costed

Activity

☒ Standard Rate

Absorption Account

01-510-5810-0000-000

Variance Account

01-510-5380-0000-000

Overheads

Rates

☐ Batchable

Minimum Batch Capacity

Maximum Batch Capacity

Batch Capacity UOM

Machine Down Codes

Employees

Equipment

Billing

Item

Skills

Competence

Skill Level

Qualification

Resource Costs (D2) - REWORK

Cost Type	Description	Resource Unit Cost
Frozen	Frozen Standard Cost Type	20.00000

Indented BOM Cost Report – Overhead Info.

Overheads (D2)

Overhead

DIST MGMT

Cost Element

Overhead

Description

Absorption Account

01-508-5810-0000-000

Default Basis

Item

Default Activity

Expenditure Type

Inactive On

Resources

Rates

Overhead With “Item” basis
Overhead Usage X Rate = Extended Amount
1 X 100 = 100.00

Overhead Rates (D2) - DIST MGMT

Cost Types

Cost Type	Description	Allow Updates
Frozen	Frozen Standard Cost Type	<input type="checkbox"/>
Pending	Pending Standard Cost Type	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Overhead Rates

Department	Description	Activity	Basis	Rate or Amount	
REWORK	Rework Department		Item	100.00000	

Indented Bill of Material Cost Report - Summary

Rollup ID: 186284

Cost Type: REWORK

Buy Cost Type:

Assignment Set:

Conversion Type: Corporate

Supply Chain Bills of Material Indented Cost Report

Report Date: 07-MAY-2012 19:27:12

Page: 2

Revision Date: 2012/05/07 23:59:59

Alternate BOM:

Alternate Routing:

Organization: D2

Seattle Distribution Center

Currency Code: USD

Assembly: AS54888

Sentinel Standard Desktop

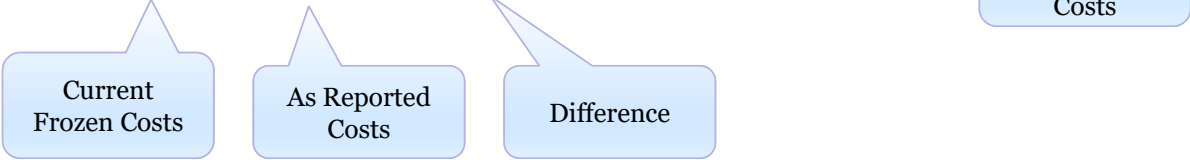
UOM: Ea

Category: ASSEMBLY.FINAL

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup			Yield/	Planning %	UOM	Rate	Quantity/ Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
						Based On Rollup	Asset/	Costed										
0		AS54888	Sentinel Stan	D2	A		Yes	Yes	No	Item	Ea		1.00	0.00	1.00	1,700.20431		USD
	10	Resource	REWORK	REWORK					Yes	Item	HR		5.00	1.00	5.00	20.00000	100.00000	
	10	Overhead	DIST MGMT	REWORK						Item	USD		100.00	1.00	100.00	100.00000	100.00000	
.1	1	SB68415	Chassis - Sen	D2	A	Yes	No	Yes	No	Item	1.00	100	Ea	-1.00	0.00	-1.00	643.11962	USD
		Material	MATERIAL							Item	USD		643.12	1.00	-643.12		-643.11962	
.1	1	AS18947	Sentinel Delu	D2	A	Yes	Yes	Yes	No	Item	1.00	100	Ea	1.00	0.00	1.00	1,343.87949	USD
		Material	MATERIAL							Item	USD		1,343.88	1.00	1,343.88		1,343.87949	
.1	1	SB90207	Chassis - Sen	D2	A	Yes	Yes	Yes	No	Item	0.90	100	Ea	1.00	0.00	1.11	719.50000	USD
		Material	MATERIAL							Item	USD		719.50	1.00	799.44		799.44444	

					-----					1,700.20431 USD =====				
Cost Element	Standard Cost	Report Value	Difference	Percent										
Material	1,080.86600	1,500.20431	-419.33831	-38.8										
Material Overhead	124.53781	0.00000	124.53781	0.0										
Resource	84.16840	100.00000	-15.83160	-18.8										
Outside Processing	1.50000	0.00000	1.50000	0.0										
Overhead	15.73417	100.00000	-84.26583	-535.6										
Total	1,306.80638	1,700.20431	-393.39793											

Assembly Rolled Up



Supply Chain Cost Rollup – With Assignment Sets

Supply Chain Cost Rollup

□ If you use Sourcing Rules

- Creates a snapshot of the Sourcing Rules/Bills of Distribution.
- Explodes the BOM for each assembly in the supply chain.
 - Explosion logic considers sourcing rules captured in the snapshot and tracks the item and organization combinations
 - Items from multiple sources in the supply chain are merged.
 - Costs from different sources such as make, buy, and transfer items are merged to the rolled up cost in the destination org.
 - Weights are used from the sourcing snapshot.
 - The costs transferred from other organizations are considered previous level costs, and their elemental visibility is preserved. The buy costs are summed into this level of material cost.
 - You can save the details of the buy item costs by selecting Yes in the Preserve Buy Cost Details parameter.

Supply Chain Cost Rollup (continued)

□ Additional notes:

- Additional markup costs are applied to item costs transferred from other organizations (per the Shipping Networks)
- For additional markup costs, for the destination organization, there must be a value for the Default Material Overhead Sub-Element field from the Inventory Organization Parameters
- Use of sourcing rule percentage allocations can complicate your costing and give rise to a “blended cost”

→ **Note:** Sub-element details from source organizations are not transferred over to the destination organization

Supply Chain Cost Rollup (continued)

□ For all Cost Rollups:

- User defined costs for the top-level assembly are not recalculated during the Supply Chain Rollup program

□ Common Custom Cost Rollup Reports for:

- List of sourcing rules
- Comparison of “Make/Buy” with “Based on Rollup” cost controls
- Summary analysis for which Inventory Orgs to Roll-Up
 - Do Item Costs exist?
 - Do BOMs exist?
 - Do Routings exist?
 - Do Sourcing Rules exist?

Sourcing Rules – Cost Rollup Across Orgs

Menu path: Cost Management => Supply Chain Costing => Define Sourcing Rules

Sourcing Rule (D2)

Name

Xfer From M1

Description

Transfer from M1

All Orgs

Planning Active

Org

D2

Copy From...

Effective Date

From Date

To Date

05-MAY-2012

Shipping Organization

Type	Org	Supplier	Supplier Site	Allocation %	Rank	Shipping Method	Intransit Time
Transfer From	M1			100	1		

View

Purge

Copy Shipping Orgs From...

Assignment Set...

Sourcing Rule Assignments - Cost Rollup Across Orgs

Menu path: Cost Management => Supply Chain Costing => Define Sourcing Rules => Assignment Set Button

Sourcing Rule / Bill of Distribution Assignments

Assignment Set

Cost Rollup

Description

Assignments

Assigned To	Organization		Item / Category	Description	Type	Sourcing Rule / BoD
	Customer	Customer Site				
Item-Organization	D2		AS54888	Sentinel Standard De	Sourcing Rule	Xfer From M1

View Sourcing Rule/BoD

View Supply Chain Bill

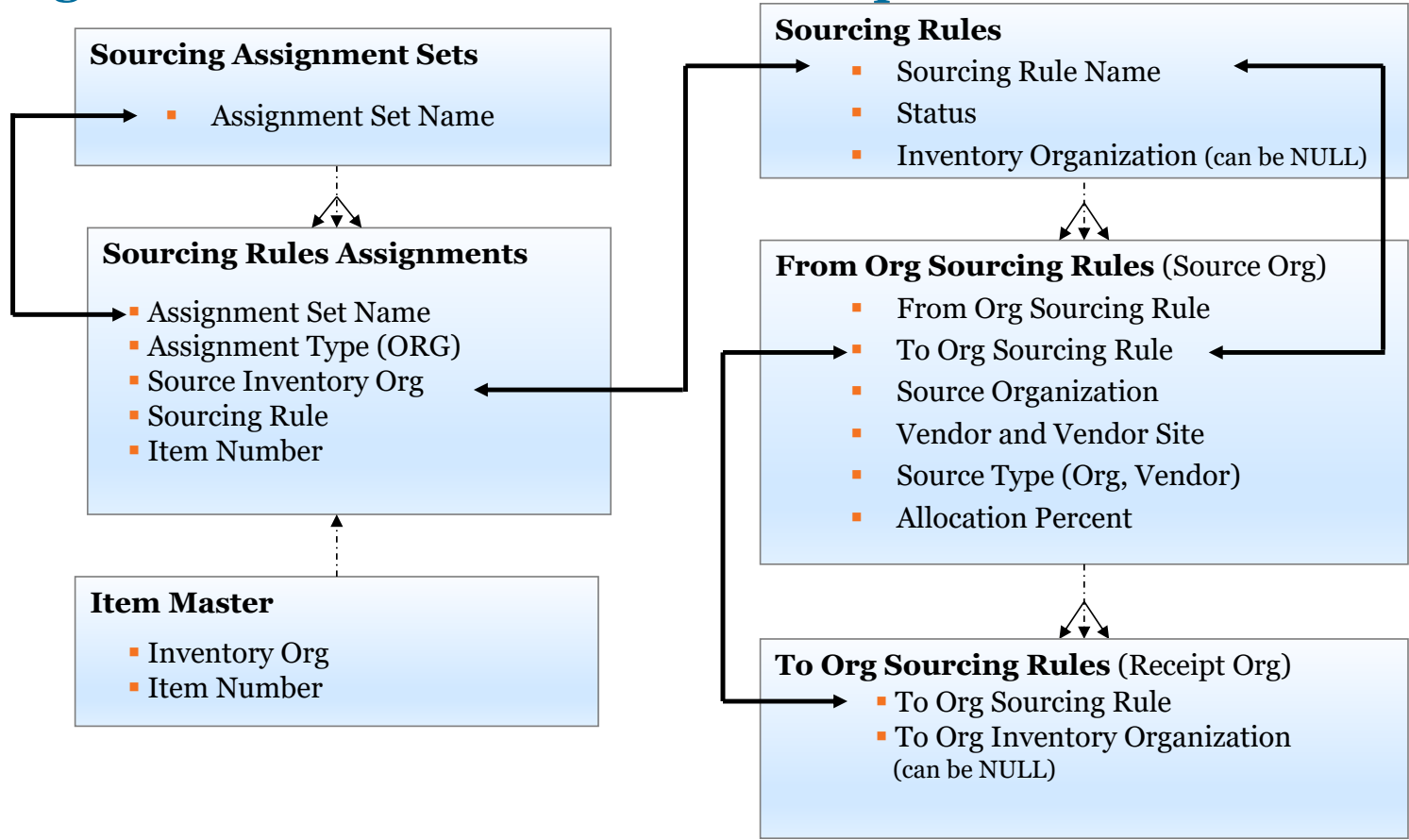
Recommendation: write a custom report to see your sourcing rules

Sample Custom/Blitz Sourcing Rule Report

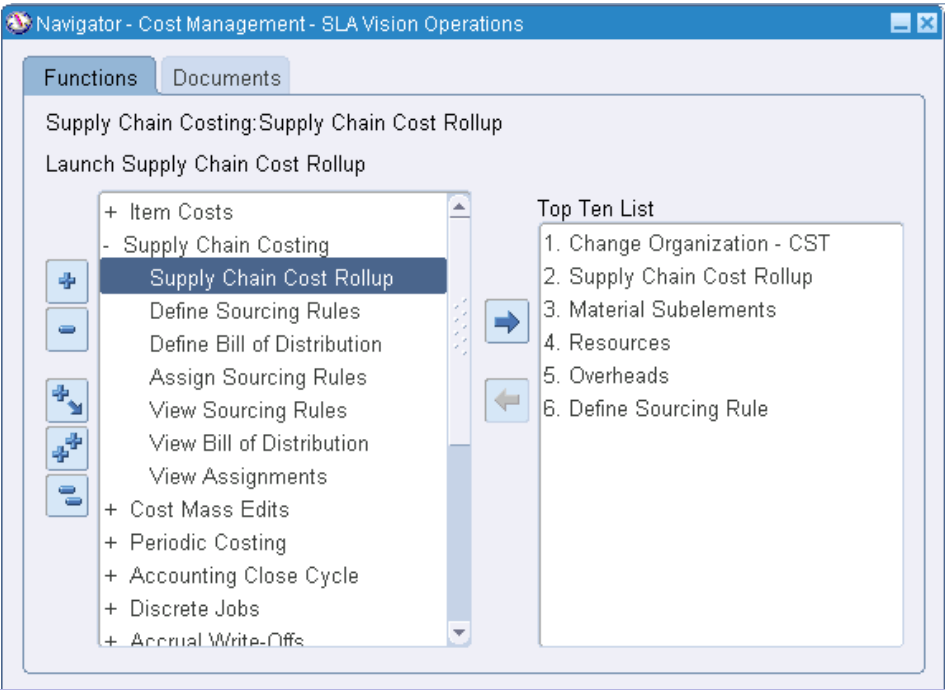
Sourcing Rule Report		Parameters:		Assignment Set: %											
Run Date: 02-Nov-2010 07:56				Only Active Items: No											
Ledger	Operating Unit	To Org	Src Org	Assignment Set	Item Number	Item Description	Sourcing Rule	Creation Date	Effective Date	Disable Date	Item Status	MB Code	Based On Rollup	Prod Group	Sourcing Rule Type
Vision Corp	Vision Corporation Japan J1		M1	ATP Assignment Set	AS54888	Sentinel Standard Desktop	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	ATP Assignment Set	SB32982	Manual Set	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	ATP Assignment Set	SB55105	SW - Standard Set	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	ATP Assignment Set	SB90207	Chassis - Sentinel Standard	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	Supplier Scheduling	AS54888	Sentinel Standard Desktop	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	Supplier Scheduling	SB32982	Manual Set	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	Supplier Scheduling	SB55105	SW - Standard Set	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan J1		M1	Supplier Scheduling	SB90207	Chassis - Sentinel Standard	SC-ATP-JP	2-Oct-03	2-Oct-03		Active	Make	Yes	00000	Org
Vision Corp	Vision Corporation Japan TP1		TP1	Chargeable Subcontr	OSA0010CAM	Camera	TP-Assemble	27-Sep-06	27-Sep-06		Active	Make	No	00000	Org

Much easier to read this report (than the Oracle screens)

Sourcing Rules – Structural Relationships



Supply Chain Cost Rollup – With Assignment Set



- **Caution:** if you have significant number of bills/routings/levels or sourcing rules the Supply Chain Cost Rollup with Report can take an extended amount of time

Cost Rollup Parameters – Across Supply Chain

Parameters

Description

Sample Parameters With Assignment Sets

Cost Type

Pending

Pending Standard Cost Type

Organization

D2

Seattle Distribution Center

Assignment Set

Cost Rollup

Buy Cost Type

Frozen

Frozen Standard Cost Type

Preserve Buy Cost Details

No

Conversion Type

Corporate

Corporate Exchange R

Rollup Option

Full cost rollup

Range

Specific item

Report Type

Detail Indented

Material Detail

Yes

Material Overhead Detail

Yes

Routing Detail

Yes

Report Number of Levels

10

Effective Date

07-MAY-2012 23:59:59

Include Unimplemented ECOs

No

Alternate Bill

Alternate Routing

Engineering Bills

No

Lot Size Option

Use Existing Lot Size

Lot Size Setting

Specific Item

AS54888

OK

Cancel

Clear

Help

With Assignment Sets

- Uses sourcing rules to get costs from other inventory organizations
- May dramatically change the assembly's costs

Buy Cost Type

- Allows you to use different costs for your buy items

Indented Bill of Material Cost Report

Rollup ID: 186287

Supply Chain Bills of Material Indented Cost Report

Report Date: 07-MAY-2012 19:52:48
Page: 2

Cost Type: Pending
Buy Cost Type: Frozen
Assignment Set: Cost Rollup
Conversion Type: Corporate

Assignment Set is in the parameters

Revision Date: 2012/05/07 23:59:59
Alternate BOM:
Alternate Routing:

Organization: D2
Assembly: AS54888

Seattle Distribution Center
Sentinel Standard Desktop

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Include In Rollup															Currency Code	
Based On Rollup																
Asset/Costed																
Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Yield/ Phtm	Planning % Basis	UOM	Rate	Quantity/ Or Amount	Shrink/ Basis Factor	Extended Rate	Qty/ Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	
0		AS54888	Sentinel Stan D2	D2	A	Yes	Yes No	Item	Ea	1.00	0.00	1.00	1,175.19638			USD
	10	Resource	REWORK	REWORK			Yes	Item	HR	0.00	1.00	0.00	20.00000		0.00000	
	10	Overhead	DIST MGMT	REWORK				Item	USD	0.00	1.00	0.00			0.00000	
		Material Overh	InterCoChg	M1				Item	USD	76.88	1.00	76.88			76.88201	
.1		AS54888	Sentinel Stan M1	M1	A	Yes	Yes No	Item	Ea	1.00	0.00	1.00	1,175.19638			USD
	10	Resource	LBR-DTASSY	ASSEMBLY			Yes	Item	HR	0.08	1.00	0.08	2,500.00000		0.54166	
	10	Overhead	Benefits	ASSEMBLY				Res value	USD	0.00					0.00001	
	20	Resource	LBR-DTASSY	ASSEMBLY			Yes	Item	HR	0.08					0.54166	
	20	Overhead	Benefits	ASSEMBLY				Res value	USD	0.00					0.00001	
	30	Resource	LBR-DTASSY	ASSEMBLY			Yes	Item	HR	0.88					5.70175	
	30	Overhead	Benefits	ASSEMBLY				Res value	USD	0.00					0.00006	
	40	Resource	TEST	TESTING			Yes	Item	HR	0.05					0.50000	
	40	Overhead	TEST	TESTING				Res value	USD	0.25	0.50	0.25			0.12500	
	40	Resource	TEST	TESTING			Yes	Lot	HR	12.00	1.00	12.00	0.75000		9.00000	
	40	Overhead	Indirect	TESTING				Res value	USD	0.15	9.00	0.15			1.35000	
	40	Overhead						Res value	USD	0.03	9.00	0.03			0.27000	
	40	Overhead							USD	0.10	1.00	0.10			0.10000	
	40	Overhead							USD	0.10	1.00	0.10			0.10000	
	50	Resource						HR	0.05	1.00	0.05		7.00000		0.35000	
	50	Overhead						Res value	USD	0.03	0.35	0.03			0.01050	
	50	Resource						HR	0.02	1.00	0.02		5.00000		0.10000	
	50	Overhead	Benefits	PACKING				Res value	USD	0.25	0.10	0.25			0.02500	
	50	Overhead	Equip/Tool	PACKING				Item	USD	0.10	1.00	0.10			0.10000	
	50	Overhead	Facility	PACKING				Item	USD	0.10	1.00	0.10			0.10000	
	60	Resource	LBR-PACK	PACKING			Yes	Item	HR	0.30	1.00	0.30		5.00000	1.50000	
	60	Overhead	Benefits	PACKING				Res value	USD	0.25	1.50	0.25			0.37500	
	60	Overhead	Equip/Tool	PACKING				Item	USD	0.10	1.00	0.10			0.10000	
	60	Overhead	Facility	PACKING				Item	USD	0.10	1.00	0.10			0.10000	
		Material Overh	MfgEng					Activity	USD	300.00	0.01	300.00			1.80000	
..2	60	CM18759	Keyboard - 10 M1	M1	A	Yes	No Yes No	Item	1.00 100	Ea	1.00	0.00	1.00	18.59040		USD
		Material	Material					Item	USD	18.00	1.00	18.00			18.00000	

Rework Routing is not
costed

Details from Source Org's
routings and BOMs are reported

Indented BOM Cost Report – What Happened?

Organization: D2
Assembly: AS54888

Seattle Distribution Center
Sentinel Standard Desktop

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup				Yield/ Item	Planning % UOM	Quantity/ Rate Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
						Based On Rollup	Asset/Costed	Phm	Basis								
...	3	10	CM13375	Manual - Visi M1	A	Yes	No	Yes	No	Item	1.00	100		1.00	0.00	1.00	10.69200
...	3																USD
																	10.20000
																	0.75000
																	0.90000
...	2																USD
																	33.00000
																	1,175.19638 USD

Cost Element Standard Cost Report Value Difference Percent

Material	1,080.86600	957.86600	123.00000	12.8
Material Overhead	124.53781	115.92781	8.61000	7.4
Resource	84.16840	84.16840	0.00000	0.0
Outside Processing	1.50000	1.50000	0.00000	0.0
Overhead	15.73417	15.73417	0.00000	0.0
Total	1,306.80638	1,175.19638	131.61000	

* This cost may include this level material, material overhead or routing costs.
This cost includes previous levels not displayed on the report.

The costs are computed based on the following sourcing rules:

Item	Receipt Org/ Source Type	Description/ Source Org or Vendor	Vendor Site	Ship Method	Source Percent	Source Item Unit Cost	Effective Cost	Cost Percent	Total Item Unit Cost	Currency Code
AS54888	D2	Sentinel Standard Desktop								
	Transfer From	M1			100.0	1,175.19638	1,175.19638	100.0	1,175.19638	USD

***** End of Report *****

Cost Rollup – Item Cost Inquiry w/Assignment Set

Menu path: Cost Management => Item Costs => Item Costs

Look at a Make Item

Find Item/Cost Type

Item

AS54888

Cost Type

...

Category Set

Category

Inventory Asset

▼

Based On Rollup

▼

☐ Zero Cost Items Only

Clear

New

Find

Item Cost Summary – Make Item

Menu path: Cost Management => Item Costs => Item Costs

Item Costs Summary (D2)

Item

Cost Type

Unit Cost

Material

Material Overhead

Resource

Outside I

<input type="checkbox"/>	AS54888	Frozen	1,306.80638	1,080.86600	124.53781	84.16840	
<input checked="" type="checkbox"/>	AS54888	Pending	1,175.19638	957.86600	115.92781	84.16840	
<input type="checkbox"/>	AS54888	REWORK	1,700.20431	1,500.20431		100.00000	
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Item Description

Sentinel Standard Desktop

Cost Type Description

Pending Standard Cost Type

UOM

Ea

Default Cost Type

Frozen

Views

Costs

New

Open

Item Cost Summary – Make Item

Menu path: Cost Management => Item Costs => Item Costs => Open Button

Item Costs Details (D2)

ItemAS54888Sentinel Standard Desktop

UOMEa

Cost TypePendingPending Standard Cost Type

Default Cost TypeFrozen

☐ Use Default Cost Controls

Cost Controls

☒ Inventory Asset

☒ Based On Rollup

Lot Size1

MFG Shrinkage Rate0

Cost Information

Material957.86600

Material Overhead115.92781

Resource84.16840

Outside Processing1.50000

Overhead15.73417

Unit Cost1,175.19638

COGS Account01-550-5110-0000-000

Sales Account01-550-4110-0000-000

Cost CategoryASSEMBLY.FINAL

Quantity548

Extended Value644,007.61

Last PO Price1,107.86000

Invoice Price1,107.86000

Make/BuyBuy

☒ Include In Rollup

Views

Costs

Cost Details for Make Items

Menu path: Cost Management => Item Costs => Item Costs => Costs Button

Item Costs (D2) - A954888, Pending

Cost Information

Activity Information

User Defined Item Costs

Cost Element	Sub-Element	Activity	Basis	Rate or Amount	Unit Cost	

Costs now from the Sourcing Rules

Basis Factor

MFG Shrinkage Factor

Rollup Item Costs


Material			Item	0	0.00000	
Material			Item	876.266	876.26600	
Material			Item	81.6	81.60000	
Material Overhe	InterCoChg		Item	76.8820059	76.88201	
Material Overhe			Item	2.817	2.81700	
Material Overhe			Item	34.4288	34.42880	

Any D2 Org bill or routing costs roll up to zero

Basis Factor

MFG Shrinkage Factor

Source Type

 DOUGLAS VOLZ
Consulting, Inc.

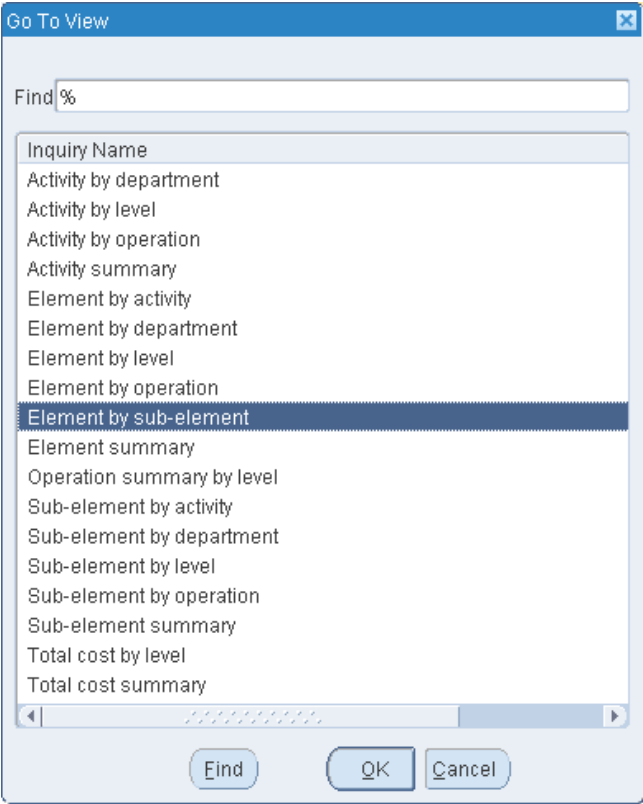
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Cost Views for Make Item

Menu path: Cost Management => Item Costs => Item Costs => Views Button

If you use Flexfields on your item costs you can report them using the Flexfield View choices. These choices only appear after you define the DFFs. See the Appendix Section for more information.



Element by Sub-Element Cost View

Menu path: Cost Management => Item Costs => Item Costs => Views Button => Details Button

View Item Costs Summary

ItemAS54888Sentinel Standard Desktop

Cost TypePendingPending Standard Cost Type

Element by sub-element

Cost Element	Sub-Element	Description	Unit Cost	%
Material			957.86600	81.5
Material Overhe	InterCoChg	Intercompany Transfer C	76.88201	6.5
Material Overhe			39.04580	3.3
Outside Proces			1.50000	0.1
Overhead	DIST MGMT		0.00000	0.0
Overhead			15.73417	1.3
Resource	REWORK	Rework labor	0.00000	0.0
Resource			84.16840	7.2

Total

1,175.19638


100.0

Views

Details

No Sub-Element when costs come from Sourcing Rules

Click on the GREEN number to drill into its details

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Item Cost Details – Make Item

Menu path: Cost Management => Item Costs => Item Costs => Views Button => Details Button

View Item Costs Details

ItemAS54888Sentinel Standard Desktop

Cost TypePendingPending Standard Cost Type

Element by sub-element

Op Seq	Level	Sub-Element	Cost Element	UOM	Basis Factor	Rate Or Amount	Unit Cost	% []
1	Previous		Material		1	0	0.00000	0.0
10	This	DIST MGMT	Overhead	USD	1	0	0.00000	0.0
10	This	REWORK	Resource	HR	1	0	0.00000	0.0
	This	InterCoChg	Material Overhe	USD	1	76.8820059	76.88201	6.5
	Previous		Material Overhe		1	2.817	2.81700	0.2
	Previous		Resource		1	.083332307692	0.54166	0.0
	Previous		Resource		1	.083332307692	0.54166	0.0
	Previous		Resource		1	.877192307692	5.70175	0.5
	Previous		Resource		1	.05	0.50000	0.0
	Previous		Resource		1	12	9.00000	0.8

Activity

BasisItem

Resource Unit Cost

Indented Bill of Material Cost View

Menu path: Cost Management => Item Costs => View Costed Indented Bill of Material

Find Indented Bills (D2)

Select

ItemAS54888Sentinel Standard DesktopUOMEa

Current RevisionALatest RevisionA

Alternate

RevisionA

Quantity1

Levels10

☐ Engineering Bill

Date07-MAY-2012 20:39:12

EAM Item Type

Unit Number

Display

Display OptionFuture and Current

☒ Implemented Only

Order ByOperation Seq, Item Seq

☒ Costs

Cost TypePending

☐ Lead Time

☐ Material Control

☐ Use Planning %

Clear

Find

Caution: The Indented BOM Cost View ignores Assignment Sets

Indented Bill of Material Cost View

Menu path: Cost Management => Item Costs => View Costed Indented Bill of Material

Indented Bills of Material (D2)

ItemAS54888Sentinel Standard Desktop

Alternate

Date07-MAY-2012 20:39:12

Unit Cost1,175.19638Qty1Extended Cost1,175.19638

RevisionA

Item Details

Bills Details

Quantities

Effectivity

ECO

Costing

Order Entry

Shipping

Level	Item	Costed	Unit Cost	Extended Quantity	Extended Cost
1	AS18947	<input checked="" type="checkbox"/>	1,343.87949	1	1,343.87949
1	SB68415	<input checked="" type="checkbox"/>	643.11962	-1	<643.11962>
1	SB90207	<input checked="" type="checkbox"/>	719.50000	1.111111111111111	799.44444
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			
		<input type="checkbox"/>			

Adds up to 1500.20431 from the BOM example

Missing \$200 costs from the Org D2 routing

+ -

Item DescriptionSentinel Deluxe Desktop

Appendix

- Effectivity Date Example
- Sourcing Rules and Assignment Sets
- Standard Oracle Item Cost Inquiries and Reports

Cost Rollup – Item Cost Inquiry

Menu path: Cost Management => Item Costs => Item Costs

Look at a Make Item

Find Item/Cost Type

Item

AS54888

...

Cost Type

Category Set

Category

Inventory Asset

Based On Rollup

☐ Zero Cost Items Only

Clear

New

Find

Item Cost Summary – Make Item

Menu path: Cost Management => Item Costs => Item Costs

Item Costs Summary (D2)

Item

Cost Type

Unit Cost

Material

Material Overhead

Resource

Outside I

AS54888

Frozen

1,306.80638

1,080.86600

124.53781

84.16840

AS54888

Pending

1,175.19638

957.86600

115.92781

84.16840

AS54888

REWORK

1,700.20431

1,500.20431

100.00000

Item Description

Sentinel Standard Desktop

UOM

Ea

Cost Type Description

Cost of Reworked Items

Default Cost Type

Frozen

Views

Costs

New

Open

Item Cost Details – Make Item

Menu path: Cost Management => Item Costs => Item Costs => Open Button

Item Costs Details (D2)

ItemAS54888Sentinel Standard Desktop

UOMEa

Cost TypeREWORKCost of Reworked Items

Default Cost TypeFrozen

☒ Use Default Cost Controls

☒ Inventory Asset

☒ Based On Rollup

Lot Size1

MFG Shrinkage Rate0

Material1,500.20431

Material Overhead

Resource100.00000

Outside Processing

Overhead100.00000

Unit Cost1,700.20431

COGS Account01-550-5110-0000-000

Sales Account01-550-4110-0000-000

Cost CategoryASSEMBLY.FINAL

Quantity548

Extended Value931,711.96

Last PO Price1,107.86000

Invoice Price1,107.86000

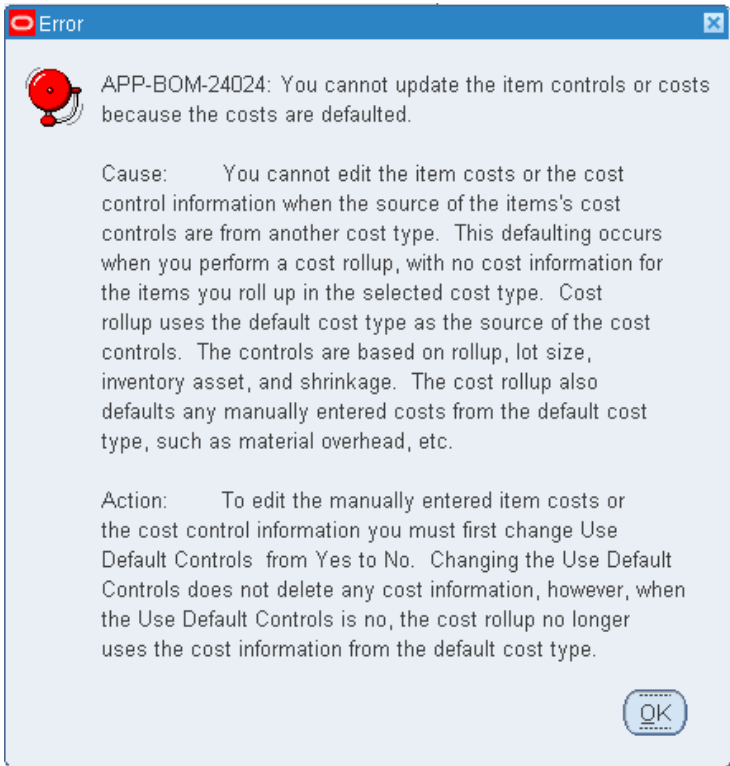
Make/BuyBuy

☒ Include In Rollup

Views

Costs

Can't Directly Edit Rolled Up Costs



Turn Off Default Controls to:

- Used by the Cost Rollup to get cost controls:
 - Based on rollup
 - Lot size
 - Shrinkage rate
 - Inventory asset
- Turn off default controls to make changes to these controls
- Turn off default controls to allow you to manually enter costs

Cost Details for Make Items

Menu path: Cost Management => Item Costs => Item Costs => Costs Button

Item Costs (D2) - A854888, REWORK

Cost Information

Activity Information

User Defined Item Costs

Cost Element

Sub-Element

Activity

Basis

Rate or Amount

Unit Cost []

Basis Factor

MFG Shrinkage Factor

Rollup Item Costs

Material

MATERIAL

Item

1500.20431444444

1,500.20431

Resource

REWORK

Item

5

100.00000

Overhead

DIST MGMT

Item

100

100.00000

Basis Factor

1

MFG Shrinkage Factor

1

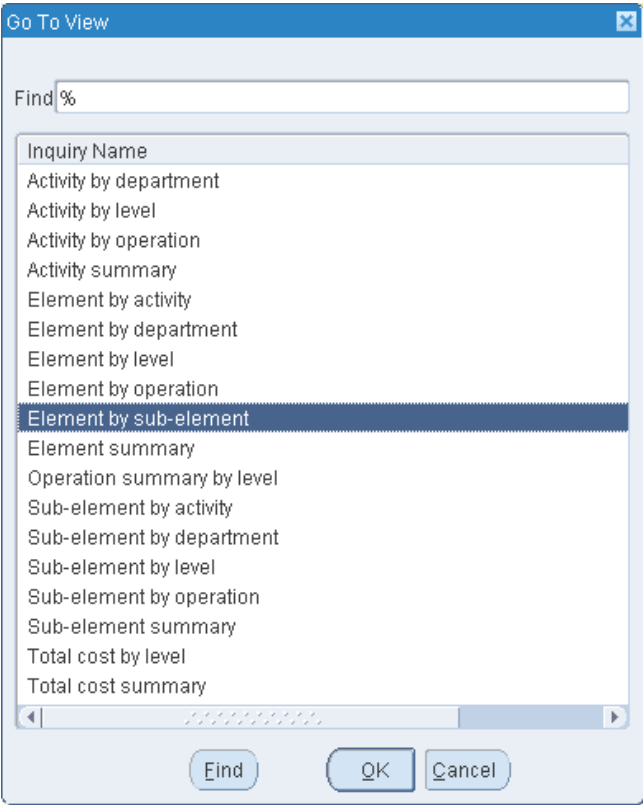
Source Type

Rolled up

Regardless of your extended decimal precision settings you can still see more detail here

Cost Views for Make Item

Menu path: Cost Management => Item Costs => Item Costs => Views Button



Element by Sub-Element Cost View

Menu path: Cost Management => Item Costs => Item Costs => Views Button

View Item Costs Summary

ItemAS54888Sentinel Standard Desktop

Cost TypeREWORKCost of Reworked Items

Element by sub-element☒

Cost Element	Sub-Element	Description	Unit Cost	%
<input checked="" type="checkbox"/> Material	MATERIAL	Material	1,500.20431	88.2
<input type="checkbox"/> Overhead	DIST MGMT		100.00000	5.9
<input type="checkbox"/> Resource	REWORK	Rework labor	100.00000	5.9
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Total1,700.20431100.0

Views

Details

Click on the GREEN number to drill into its details

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View Item Costs Details

Item: AS54888 Sentinel Standard Desktop

Cost Type: REWORK Cost of Reworked Items

Element by sub-element

Op Seq	Level	Sub-Element	Cost Element	UOM	Basis Factor	Rate Or Amount	Unit Cost	% []
1	Previous	MATERIAL	Material	USD	1	1500.20431444	1,500.20431	88.2
10	This	DIST MGMT	Overhead	USD	1	100	100.00000	5.9
10	This	REWORK	Resource	HR	1	5	100.00000	5.9

Activity: Basis: Item Resource Unit Cost: 1

Cost Rollup Reports

- Standard Oracle Reports (Report => Cost => Item)
 - Cost Type Comparison Report
 - Detailed Item Cost Report
 - Elemental Item Cost Report
 - Item Cost Reports
 - Supply Chain Indented Bill of Material Cost Report
(From a static bill of material, same format)
 - Supply Chain Consolidated Indented Bill of Material Cost Report
(From a static bill of material)

Cost Type Comparison Report

Menu path: Cost Management => Reports => Cost => Item

On later releases the R12 XML reports are on the Cost Menu

Report Item Cost Information (D2)

Run this Request...

Name Cost Type Comparison Report

Operating Unit

Parameters

Report Sort Option Item

Cost Type 1 Pending Pending Standard Cost Type

Cost Type 2 Frozen Frozen Standard Cost Type

Group by Sub-Element

Item From AS54888

To AS54888

Category Set Inv.Items Inventory Cat

Category From

To

Minimum Percentage Diff

Minimum Amount Diff

Minimum Unit Cost

Put the smallest cost type first

Copy...

OK Cancel Clear Help

Cost Type Comparison Report

Menu path: Cost Management => Reports => Cost => Item

Seattle Distribution Center

Cost Comparison Report by Sub-Element

Report Date: 07-MAY-12 21:13

Sort By: Item
Cost Type 1: Pending
Cost Type 2: Frozen
Group by Comparison: Sub-Element
Items From: AS54888
To: AS54888
Category Set: Inv.Items
Categories From: To:
Minimum Percentage Difference: 0
Minimum Amount Difference: 0
Minimum Unit Cost: 0

Seattle Distribution Center

Cost Comparison Report by Sub-Element (USD)

Report Date: 07-MAY-2012 21:13
Page: 1

Item	Description	UOM	Category	Sub-Element	Pending	Frozen	Difference	% Change
AS54888	Sentinel Standard Desktop	Ea	ASSEMBLY.FINAL	InterCoChg	76.88201	85.49201	8.61000	11.20
				DIST MGMT	0.00000	0.00000	0.00000	0.00
					1,098.31437	1,221.31437	123.00000	11.20
Total Unit Cost:					1,175.19638	1,306.80638	131.61000	11.20

***** End of Report *****

Cost Type Comparison Report

Menu path: Cost Management => View Requests => Submit a New Request => %Cost Type%

On later releases the R12 XML reports are on the Cost Menu

Submit Request

Run this Request...

Copy...

Name %Cost Type%

Operating U Reports

Parameter

Language Find %Cost Type%

Name	Application
Cost Type Comparison Report	Bills of Mat
Cost Type Comparison Report (XML)	Bills of Mat

At these Times...

Run the J

Upon Completion

Layout

Not

Print

Help (C)

Find OK Cancel

Detailed Item Cost Report

Menu path: Cost Management => Reports => Cost => Item

Report Item Cost Information (D2)

Run this Request...

Copy...

Name

Detailed Item Cost Report

Operating Unit

Parameters

Item.Pending.AS54888.AS54888.Inv.Items...No

Parameters

Report Sort Option

Item

Cost Type

Pending

Pending Standard Cost Type

Item From

AS54888

To

AS54888

Category Set

Inv.Items

Inventory Categor

Category From

To

Summary by Element

Yes

OK

Cancel

Clear

Help

Detailed Item Cost Report

Menu path: Cost Management => Reports => Cost => Item

Seattle Distribution Center
Sort by: Item
Cost Type: Pending
Items From: AS54888
To: AS54888
Category Set: Inv.Items

Detailed Cost Report By Element and Sub-Element
(USD)

Report Date: 07-MAY-2012 21:25
Page: 1

Item: AS54888 UOM: Ea Category: ASSEMBLY.FINAL
Description: Sentinel Standard Desktop

MFG Shrinkage: 0
Lot Size: 1

Op Level				Cost Source				----- Rate or Amount -----			
Seq	Cost Element	Sub-Element	UOM Activity	Basis	Basis Factor	Res	Unit Cost	Resource Usage	Matl/Overhead		Unit Cost
1	P Material			R Item	1.00				0.00		0.00000
10	T Overhead	DIST MGMT	USD	R Item	1.00				0.00		0.00000
10	T Resource	REWORK	HR	R Item	1.00		20.00	0.00			0.00000
	T Material Over	InterCoChg	USD	R Item	1.00				76.88		76.88201
	P Material			R Item	1.00				876.27		876.26600
	P Material			R Item	1.00				81.60		81.60000
	P Material Over			R Item	1.00				2.82		2.81700
	P Material Over			R Item	1.00				34.43		34.42880
	P Material Over			R Item	1.00		1.00		1.80		1.80000
	P Outside Proce			R Item	1.00			1.50			1.50000
	P Overhead			R Item	1.00				0.10		0.10000
	P Overhead			R Item	1.00				12.56		12.56186
	P Overhead			R Item	1.00				0.03		0.02500
	P Overhead			R Item	1.00				0.38		0.37500
	P Overhead			R Item	1.00				0.01		0.01050
	P Overhead			R Item	1.00				0.27		0.27000
	P Overhead			R Item	1.00				1.35		1.35000
	P Overhead			R Item	1.00				0.13		0.12500
	P Overhead			R Item	1.00				0.10		0.10000
	P Overhead			R Item	1.00				0.10		0.10000
	P Overhead			R Item	1.00				0.42		0.41673
	P Overhead			R Item	1.00				0.00		0.00006
	P Overhead			R Item	1.00				0.00		0.00001

Elemental Item Cost Report

Menu path: Cost Management => Reports => Cost => Item

Report Item Cost Information (D2)

Run this Request...

Copy...

Name Elemental Cost Report

Parameters

Report Sort Option Item

Zero Cost Only No

Cost Type Pending Pending Standard Cost Type

Item From AS54888

To AS54888

Category Set Inv.Items Inventory Catego

Category From

To

Currency USD US dollars

Exchange Rate 1

OK Cancel Clear Help

Elemental Item Cost Report

Menu path: Cost Management => Reports => Cost => Item

Seattle Distribution Center				Elemental Cost Report		Report Date: 07-MAY-2012 21:27		
Sort by: Item				USD		Page: 1		
Cost Type: Pending								
Exchange Rate: 1								
Items From: ASS4888								
To: ASS4888								
Category Set: Inv.Items								
Item	Description	UOM	Material	Material Overhead	Resource	Outside Processing	Overhead	Total Unit Cost
-----	-----	-----	-----	-----	-----	-----	-----	-----
ASS4888	Sentinel Standard Desk Ea		957.86600	115.92781	84.16840	1.50000	15.73417	1,175.19638
Total items for Report:								1
***** End of Report *****								

Item Cost Reports

Menu path: Cost Management => Reports => Cost => Item

Report Item Cost Information (D2)

Run this Request...

Copy...

Name

Item Cost Reports

Parameters

Report Sort Option

Item

BOM or ENG

BOM

Cost Type

Pending

Pending Standard Cost Type

Item From

AS54888

To

AS54888

Category Set

Inv.Items

Inventory Categ

Category From

To

Report Name

Element by Sub-Element

Flexfield Option

Report Template

Cost summary by level

OK

Cancel

Clear

Help

Item Cost Reports

Menu path: Cost Management => Reports => Cost => Item

If you use Flexfields on your item costs you can report them using the Flexfield Report choices. These choices only appear after you define the DFFs. See the Appendix Section for more information.

Report Name

Find %

Report Name	Description
Sub-Element by Flexfield	Costs by sub-element flexfield segment value
Activity Summary	Cost summary by activity
Activity by Department	Cost summary by activity and department
Activity by Flexfield	Costs by activity flexfield segment value
Activity by Operation	Cost summary activity by operation
Element	Costs by cost element and level
Element by Activity	Costs by cost element and activity
Element by Department	Cost summary by cost element and department
Element by Operation	Cost summary by cost element and operation
Element by Sub-Element	Costs by cost element and sub-element
Operation Summary by Level	Costs by operation and level
Operation by Activity	Cost summary operation by activity
Operation by Sub-Element	Cost summary by operation and sub-element
Sub-Element	Cost summary by sub-element
Sub-Element by Activity	Cost summary by sub-element and activity
Sub-Element by Department	Cost summary by sub-element and department
Sub-Element by Operation	Cost summary by sub-element and operation

Find

OK

Cancel

Item Cost Reports

Menu path: Cost Management => Reports => Cost => Item

Seattle Distribution Center

Report Sort: Item

Cost Type: Pending

Items From: AS54888

To: AS54888

Category Set: Inv.Items

Item Cost Reports

Element by Sub-Element(USD)

Report Date: 07-MAY-2012 21:33

Page: 1

Item /	UOM	Category	Cost Element	Sub-Element	This Level	Previous Level	Unit Cost

AS54888	Ea	ASSEMBLY.FINAL	Overhead	DIST MGMT	0.00000	0.00000	0.00000
Sentinel Standard Desktop			Material Overhead	InterCoChg	76.88201	0.00000	76.88201
			Outside Processing		0.00000	1.50000	1.50000
			Material Overhead		0.00000	39.04580	39.04580
			Overhead		0.00000	15.73417	15.73417
			Material		0.00000	957.86600	957.86600
			Resource	REWORK	0.00000	0.00000	0.00000
			Resource		0.00000	84.16840	84.16840

Total Unit Cost:					76.88201	1,098.31437	1,175.19638

***** End of Report *****

Supply Chain Indented Bill of Material Cost Report

Menu path: Cost Management => Reports => Cost => Item

Parameters

Description

Static Bills of Material Cost Report

Cost Type

Pending

Pending Standard Cost Type

Organization

D2

Seattle Distribution Center

Assignment Set

Cost Rollup

Material Detail

Yes

Material Overhead Detail

Yes

Routing Detail

Yes

Report Number of Levels

10

Past Rollup

07-MAY-2012 20:26:28

Effective Date

07-MAY-2012 23:59:59

Include Unimplemented ECOs

No

Alternate Bill

Engineering Bills

No

Item From

AS54888

Item To

AS54888

Category set

Inv.Items

Category From

Category To

Past Rollup

Find %

Past Rollup	Description
07-MAY-2012 20:26:28	Sample Parameters With Assignment Sets
07-MAY-2012 19:52:49	Sample Parameters With Assignment Sets
07-MAY-2012 19:21:41	Sample Parameters With Assignment Sets
07-MAY-2012 19:19:10	With No Assignment Set
07-MAY-2012 19:18:10	With No Assignment Set

Find

OK

Cancel

This report uses the existing item cost information with the BOM/routing you choose; it does not do a fresh cost rollup. And if you set “Snapshot Bills” on your Cost Type, you can choose the BOM Alternate and use the same BOM as you used for your Cost Rollup

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Supply Chain Bills of Material Indented Cost Report															Report Date: 07-MAY-2012 21:39:14	
Cost Type: Pending															Page: 2	
Assignment Set: Cost Rollup															Revision Date: 2012/05/07 23:59:59	
Conversion Type: Corporate															Alternate BOM:	
Organization: D2					Seattle Distribution Center					Currency Code: USD						
Assembly: ASS4888					Sentinel Standard Desktop					Category: ASSEMBLY.FINAL					UOM: Ea	
															Include In Rollup	
															Based On Rollup	
															Asset/Costed	
Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Yes	Yes	No	Item	Yield/ Planning %	Quantity/ UOM	Shrink/ Basis Factor	Extended Qty/ Rate	Item Unit Cost/ Res Unit Cost	Extended Cost	Currency Code
0		AS54888	Sentinel Stan	D2	A	Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,175.19638		USD
	10	Resource	REWORK	REWORK					Item	HR	0.00	1.00	0.00	20.00000	0.00000	
	10	Overhead	DIST MGMT	REWORK					Item	USD	0.00	1.00	0.00		0.00000	
		Material Overh	InterCoChg	M1					Item	USD	76.88	1.00	76.88		76.88201	
.1		AS54888	Sentinel Stan	M1	A	Yes	Yes	No	Item	Ea	1.00	0.00	1.00	1,098.31437		USD
	10	Resource	LBR-DTASSY	ASSEMBLY					Item	HR	0.08	1.00	0.08	6.50000	0.54166	
	10	Overhead	Benefits	ASSEMBLY					Res value	USD	0.00	0.54	0.00		0.00001	
	20	Resource	LBR-DTASSY	ASSEMBLY					Item	HR	0.08	1.00	0.08	6.50000	0.54166	
	20	Overhead	Benefits	ASSEMBLY					Res value	USD	0.00	0.54	0.00		0.00001	
	30	Resource	LBR-DTASSY	ASSEMBLY					Item	HR	0.88	1.00	0.88	6.50000	5.70175	
	30	Overhead	Benefits	ASSEMBLY					Res value	USD	0.00	5.70	0.00		0.00006	
	40	Resource	LBR-TEST	TESTING					Item	HR	0.06	1.00	0.06	10.00000	0.50000	
	40	Overhead	Benefits	TESTING					Res value	USD	0.25	0.50	0.25		0.12500	
	40	Resource	TESTER	TESTING					Lot	HR	12.00	1.00	12.00	0.75000	9.00000	
	40	Overhead	Indirect	TESTING					Res value	USD	0.15	9.00	0.15		1.35000	
	40	Overhead	Mgmt	TESTING					Res value	USD	0.03	9.00	0.03		0.27000	
	40	Overhead	Equip/Tool	TESTING					Item	USD	0.10	1.00	0.10		0.10000	
	40	Overhead	Facility	TESTING					Item	USD	0.10	1.00	0.10		0.10000	
	50	Resource	SHRINKWRAP	PACKING					Item	HR	0.05	1.00	0.05	7.00000	0.35000	
	50	Overhead	Mgmt	PACKING					Res value	USD	0.03	0.35	0.03		0.10100	
	50	Resource	LBR-PACK	PACKING					Item	HR	0.02	1.00	0.02	5.00000	0.10000	
	50	Overhead	Benefits	PACKING					Res value	USD	0.25	0.10	0.25		0.02500	
	50	Overhead	Equip/Tool	PACKING					Item	USD	0.10	1.00	0.10		0.10000	
	50	Overhead	Facility	PACKING					Item	USD	0.10	1.00	0.10		0.10000	
	60	Resource	LBR-PACK	PACKING					Item	HR	0.30	1.00	0.30	5.00000	1.50000	
	60	Overhead	Benefits	PACKING					Res value	USD	0.25	1.50	0.25		0.37500	
	60	Overhead	Equip/Tool	PACKING					Item	USD	0.10	1.00	0.10		0.10000	
	60	Overhead	Facility	PACKING					Item	USD	0.10	1.00	0.10		0.10000	
		Material Overh	MfgEng						Activity	USD	300.00	0.01	300.00		1.80000	
.2	60	CM18759	Keyboard - 10 M1		A	Yes	Yes	No	Item	1.00	100	Ea	1.00	18.59040		USD
		Material	Material						Item	USD	18.00	1.00	18.00		18.00000	
		Material Overh	Mat'l Mgmt						Item	USD	0.15	1.00	0.15		0.15000	

Supply Chain Consolidated Indented Bill of Material Cost Report

Menu path: Cost Management => Reports => Cost => Item

Report Item Cost Information (D2)

Run this Request...

Copy...

NameSupply Chain Consolidated Bills of Material Cost Report

Parameters

DescriptionStatic Bills of Material Report

Cost TypePendingPending Standard Cost Type

OrganizationD2Seattle Distribution Center

Assignment SetCost Rollup

Material DetailYes

Material Overhead DetailYes

Routing DetailYes

Past Rollup07-MAY-2012 20:26:28Sample Parameters With Assignment Sets

Effective Date07-MAY-2012 23:59:59

Include Unimplemented ECOsNo

Alternate Bill

Engineering BillsNo

Item FromAS54888

Item ToAS54888

Category setInv.ItemsInventory Category Set

Category From

Category To

OK

Cancel

Clear

Help

Supply Chain Consolidated Indented Bill of Material Cost Report

Menu path: Cost Management => Reports => Cost => Item

Cost Type: Pending
Assignment Set: Cost Rollup
Conversion Type: Corporate

Supply Chain Bills of Material Consolidated Cost Report

Page: 7
Revision Date: 2012/05/07 23:59:59
Alternate BOM:

Organization: D2
Assembly: AS54888

Seattle Distribution Center
Sentinel Standard Desktop

Category: ASSEMBLY.FINAL

Currency Code: USD
UOM: Ea

Level	Op Seq	Item/ Cost Element	Description/ Sub-Element	Org/ Department	Last Rev	Include In Rollup			Yield/ Basis	Planning % UOM	Quantity/ Rate Or Amount	Shrink/ Basis Factor	Extended Qty/ Rate Or Amount	Item Unit Cost/ Res Unit Cost	Currency Code	
						Based On Rollup	Asset/Costed	Phtm							Extended Cost	
		SB32982	Manual Set	M1	A		Yes	Yes	No	Item			0.00	1.00	85.94706	
	10	Resource	SHRINKWRAP	PACKING			Yes			Item	HR	0.04	1.00	0.04	7.00000	0.28000
	10	Overhead	Mgmt	PACKING						Res value	USD	0.03	0.28	0.03		0.00840
	10	Resource	LBR-PACK	PACKING			Yes			Item	HR	0.17	1.00	0.17	5.00000	0.83333
	10	Overhead	Benefits	PACKING						Res value	USD	0.25	0.83	0.25		0.20833
	10	Overhead	Equip/Tool	PACKING						Item	USD	0.10	1.00	0.10		0.10000
	10	Overhead	Facility	PACKING						Item	USD	0.10	1.00	0.10		0.10000
	10	Material	Material							Item	USD	51.00	1.00	51.00		51.00000
		SB55105	SW - Standard	M1	A		Yes	Yes	No	Item	Ea		0.00	1.00	116.83006	USD
	10	Resource	SHRINKWRAP	PACKING			Yes			Item	HR	0.04	1.00	0.04	7.00000	0.28000
	10	Overhead	Mgmt	PACKING						Res value	USD	0.03	0.28	0.03		0.00840
	10	Resource	LBR-PACK	PACKING			Yes			Item	HR	0.17	1.00	0.17	5.00000	0.83333
	10	Overhead	Benefits	PACKING						Res value	USD	0.25	0.83	0.25		0.20833
	10	Overhead	Equip/Tool	PACKING						Item	USD	0.10	1.00	0.10		0.10000
	10	Overhead	Facility	PACKING						Item	USD	0.10	1.00	0.10		0.10000
	10	Material	Material							Item	USD	72.00	1.00	72.00		72.00000
		SB56349	Drive Mount A	M1	A		Yes	Yes	No	Item	Ea		0.00	1.00	32.19061	USD
	10	Resource	LBR-ASSY	ASSEMBLY			Yes			Item	HR	0.17	1.00	0.17	6.00000	1.00000
	10	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	1.00	0.00		0.00001
		SB86662	Desktop Case	M1	A		Yes	Yes	No	Item	Ea		0.00	1.00	88.58068	USD
	10	Resource	LBR-ASSY	ASSEMBLY			Yes			Item	HR	0.17	1.00	0.17	6.00000	1.00000
	10	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	1.00	0.00		0.00001
		SB90207	Chassis - Sen	M1	A		Yes	Yes	No	Item	Ea		0.00	1.00	606.65760	USD
	10	Resource	LBR-ASSY	ASSEMBLY			Yes			Item	HR	0.17	1.00	0.17	6.00000	1.00000
	10	Overhead	Benefits	ASSEMBLY						Res value	USD	0.00	1.00	0.00		0.00001
												1.00	0.00		1.00000	0.00001
												1.00	0.00		1.00000	0.00001
												1.00	1.75		6.00000	10.50000
												10.50	0.00			0.00011

This report combines information across levels

Any Questions?



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