

# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

Want a better way to calculate your average buy and make costs, especially if you are using Discrete Standard Costing? Learn how to set up and run Periodic Costing without affecting your G/L balances.

## Prepared by:

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President

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# Agenda

## □ Periodic Costing

- Why Do This?
- Set Up Steps
- How to Create Initial Periodic Costs
- Importing Initial Periodic Costs
- Periodic Costing Processes
- Importing Periodic Costs Back into Frozen

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## □ Professional Summary

- 35+ years industry, design and consulting and firefighting experience
- Specializing in Cost Management business solutions
- Awarded 2014 OAUG Member of the Year
- Co-designed Oracle Cost Management at Oracle
- Implementations with international consulting firms, in twelve countries
- Led the Oracle Applications User Group for Cost Management since 2007
- Presenter at Collaborate (OAUG) and UKOUG since 1996
- Prior industry positions for General and Cost Accounting management

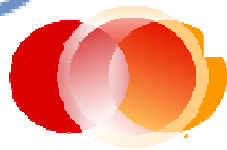
## □ Business Solutions



- Change cost methods
- Inventory reconciliation
- Profit in inventory
- Intercompany
- A/P accruals
- Fix system account setups
- Multi-org cost accounting reports
- Product Line & Margin analysis
- Cost Rollup and Update
- Cost accounting training

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# Business Solutions – Over 30 Presentations

- <http://oaug.org/communities/webinars#cost-management-sig>
- <http://www.volzconsulting.com/resources.html>

## **A/P Accruals:**

- (R11i) How to Setup, Use and Balance Your A/P Accrual Accounts
- (R12) A/P Accruals for Release 12 (OAUG Cost Management SIG)

## **Change Your Cost Methods Without Re-implementing:**

- Who Said Changing Cost Methods With Discrete Costing Can't be Done?

## **Cost Management & Subledger Accounting (SLA):**

- Cost Accounting As You Want It – EBS R12 Cost Accounting with SLA
- Subledger Accounting for Discrete & EAM Cost Accounting: Product Line and Expense Accounting Made Easy
- How to Create Shipping Burdens for Oracle Cost Management, in Spite of Subledger Accounting

## **Discrete & Process Cost Accounting Integration:**

- We Can Create Combined Oracle Cost Accounting Reports for Both Discrete and Process Manufacturing

## **Inventory Reconciliation:**

- Can We Actually Reconcile Project MFG to Inventory, WIP, Projects & G/L? What Was I Thinking?
- Reconcile Your Inventory to G/L Balances With Ease, From 1 to 1,000 Inventory Organizations!

## **Profit in Inventory Solutions:**

- Does Rel. 12 Solve Global Inter-Company Issues for Multiple Ledgers, Profit in Inventory and COGS?

## **Period Close Tips and Month-End Interfaces:**

- How in the Dickens Do I Handle Those Month-End Interfaces? (And Why Can't I Close My Books?)
- How to Manage the Inventory and Manufacturing Period Close and Remain Sane...



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## **Costing Tips and Tricks:**

- Make Cost Management Work for You!
- Oracle Cost Management Features and Workarounds

## **Transactions and Variances:**

- eAM Costing, How Is It Different from Oracle MFG Costing?
- How to Setup, Transact and Use Outside Processing
- InterCompany – Fulfillment Delivery Options - an Oracle DropShip Example
- Manufacturing Variances for Oracle EBS
- Overview of Oracle Discrete Costing for Manufacturing
- Receiving as it Relates to Oracle Cost Management
- Ship to Invoicing Oracle Transaction Flows: Tracing a Sale Through Inventory

## **Other Related Presentations:**

- Cost Allocations: Different Ways to Use Oracle EBS Cost Elements, Sub-Elements and Cost Allocation Methods
- Change Management is So Important!
- Don't Forget Your Business Processes! Oracle Can't Do it All for You
- Major Tables & Relationships for Oracle EBS Costing
- What's New in Oracle Release 12 – the Changes that Matter
- Why Upgrade to Oracle Release 12 Costing - What's In it for Me?



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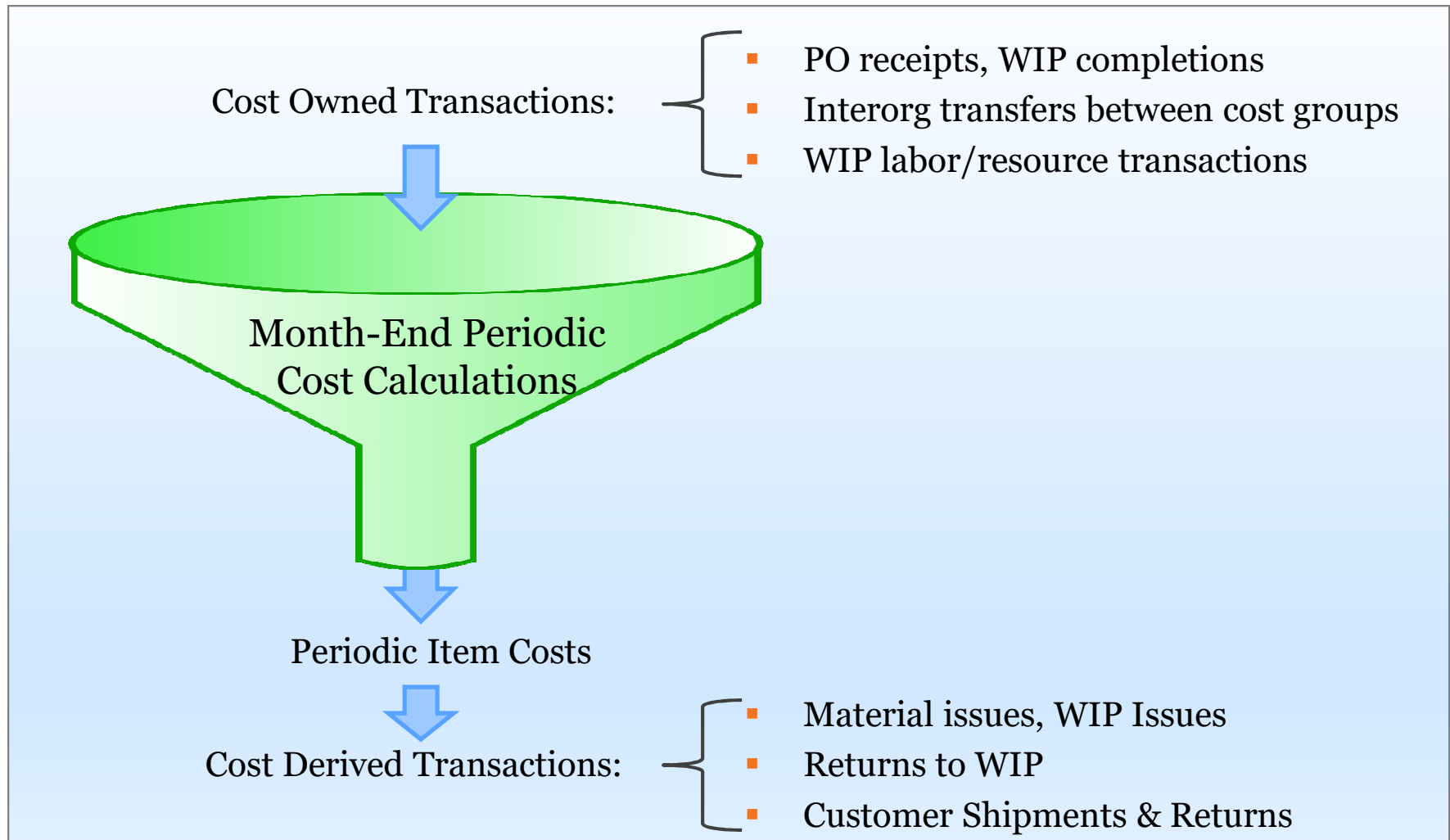
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# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- Why Do This?

# What is Periodic Costing? Month-End Costing





# What is Periodic Costing? Month-End Costing

- ❑ **Cost Owned Transactions:** carry their own costs and are used to compute an average unit cost, which is applied to cost derived transactions.
  - PO receipt transactions
  - WIP completion transactions
  - Interorg transfers between cost groups
  - WIP labor/resource transactions
- ❑ **Cost Derived Transactions:** transacted at the newly computed average unit cost of the period.
  - Material issues
  - Issues to WIP
  - Returns to WIP
  - Customer shipments
  - Returns from customer

**Note:** Returns from customer are only cost derived if they have no reference to sales orders. If they do reference sales orders, then they are costed at the original sales order issue cost.



## Why Use Periodic Costing?

- ❑ For Discrete Costing, Standard functionality since Release 11i
- ❑ Use Periodic Costing to approximate your average costs, even while using Standard Costing for your G/L entries
- ❑ Can Share Costs by Cost Group  
(Cost Groups by Organization or multiple Organizations)
- ❑ Can also be used as the G/L Costing Method, used in certain South American and Southern European countries

# Oracle (Discrete) Average Costing Methods

## □ Average Costing

- Each transaction is processed in the order as they take place, based on the weighted average cost at the time of the transaction. A perpetual costing method.

## □ Periodic Average Costing (PAC)

- Calculates the average costs for the accounting period and then uses this cost for all of the issue (cost-derived) transactions. In contrast to IPAC (see below), PAC uses the beginning average cost for inter-organization transfers.

## □ Iterative Periodic Average Costing (IPAC)

- Similar to PAC but with the additional feature that IPAC uses the current Period Moving Average Cost (PMAC) for valuing the inter-organization transfers which occur across cost groups, in the same Legal Entity.

# Major Features for Periodic Costing

- ❑ Periodic Costing lets you cost items from one or more inventory organizations on a periodic basis. This cost is based on invoice price if the invoice is available; otherwise, the purchase price is used for purchased items. For manufactured items, Periodic Costing is the sum of the actual cost of resources and materials consumed.
- ❑ Acquisition Costing: The Periodic Costing processor uses acquisition costs to value receipts and returns. If no invoice is matched to the receipt at the time the cost processor is run, the PO price is used.
- ❑ Full Absorption: Using periodic rates cost types, you can create rates that fully absorb material overhead, resource and (production) overhead costs.
- ❑ Shared Periodic Costs: You can share Periodic Costs across a group of inventory organizations within a Legal Entity. Perpetual cost methods for the individual organizations in the legal entity can be a mixture of standard cost and average cost.



## Major Features for Periodic Costing? (Cont'd)

- ❑ Full absorption of material and resource cost into the final assembly cost: Periodic Costing relieves the remaining job balance into the final assembly cost.
- ❑ Relieve material charges using predefined (BOM) quantity or actual quantity: Choose to relieve component charges using the quantity defined in the job's bill, or using the actual quantity of components issued to the job.
- ❑ Flexible use of Cost Methods: You can use either or both Periodic Incremental LIFO and Periodic Average Costing to cost the inventory transactions of a period. You can view the results and produce inventory valuation reports using either method.
- ❑ In addition to inventory valuation reports, you can run reports to see the detailed cost of receipts and identify receipts that used the PO price instead of the invoice price. (But more reports are needed.)

# Using Periodic Costing for G/L Accounting

- Unlike Cost Management – CST, Periodic Costing does not use Subledger Accounting
- For data conversion, when using Periodic Costing to create accounting entries:
  - For Average Costing use the Open Transaction Interface to initialize beginning balances and to create your initial item costs (MTL\_TRANSACTIONS\_INTERFACE)
  - For Standard Costing first set up your item costs using the Periodic Cost Interface (MTL\_PAC\_TXN\_COST\_DETAILS table) followed with the Open Transaction Interface for your onhand balances
- Cost Management G/L Sources are different:
  - The Source in GL for Cost management - PAC is "Period Inventory" (PAC and LIFO)
  - The Source in GL for Cost management - CST is "Inventory" (Standard, Average and FIFO Costing)
- If implementing in Brazil should use the "Brazil Localization" for local requirements.

# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- How to Create Initial Periodic Costs

# Three Ways to Get Started With PAC

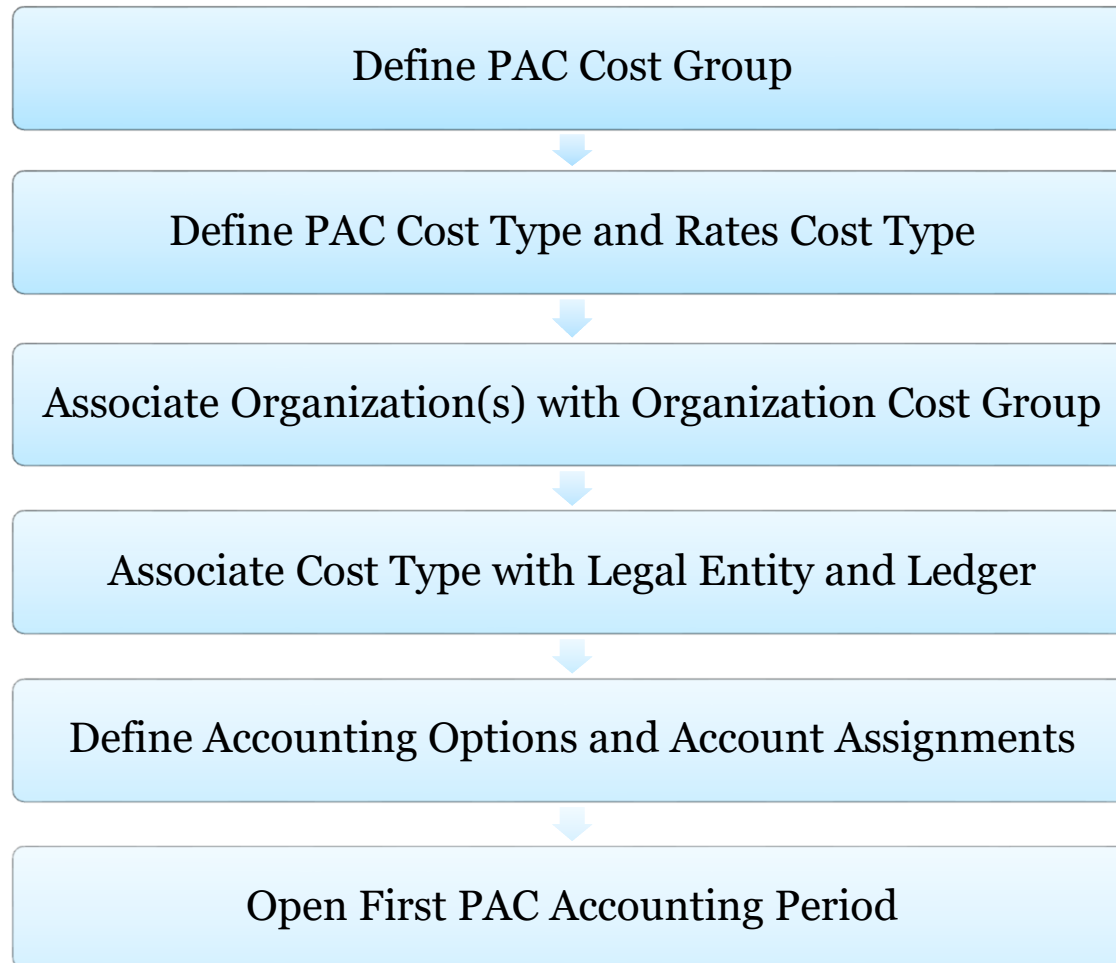
- ❑ Don't worry about initial inaccuracies, don't import PAC costs, will self-correct over time:
  - The Periodic Acquisition Cost Processor derives item costs from the monthly transaction history; if it finds none it defaults to the Costing Method item cost
- ❑ If transaction history exists, don't import initial periodic costs; based on average inventory turns, start with a much earlier period:
  - For example, if the starting Periodic Cost period is SEP-2016 and you have on average four inventory turns each year, start with June-2016 as your starting Periodic Accounting Period
- ❑ Create an estimate for your initial accounting period's average item costs and import these costs upfront



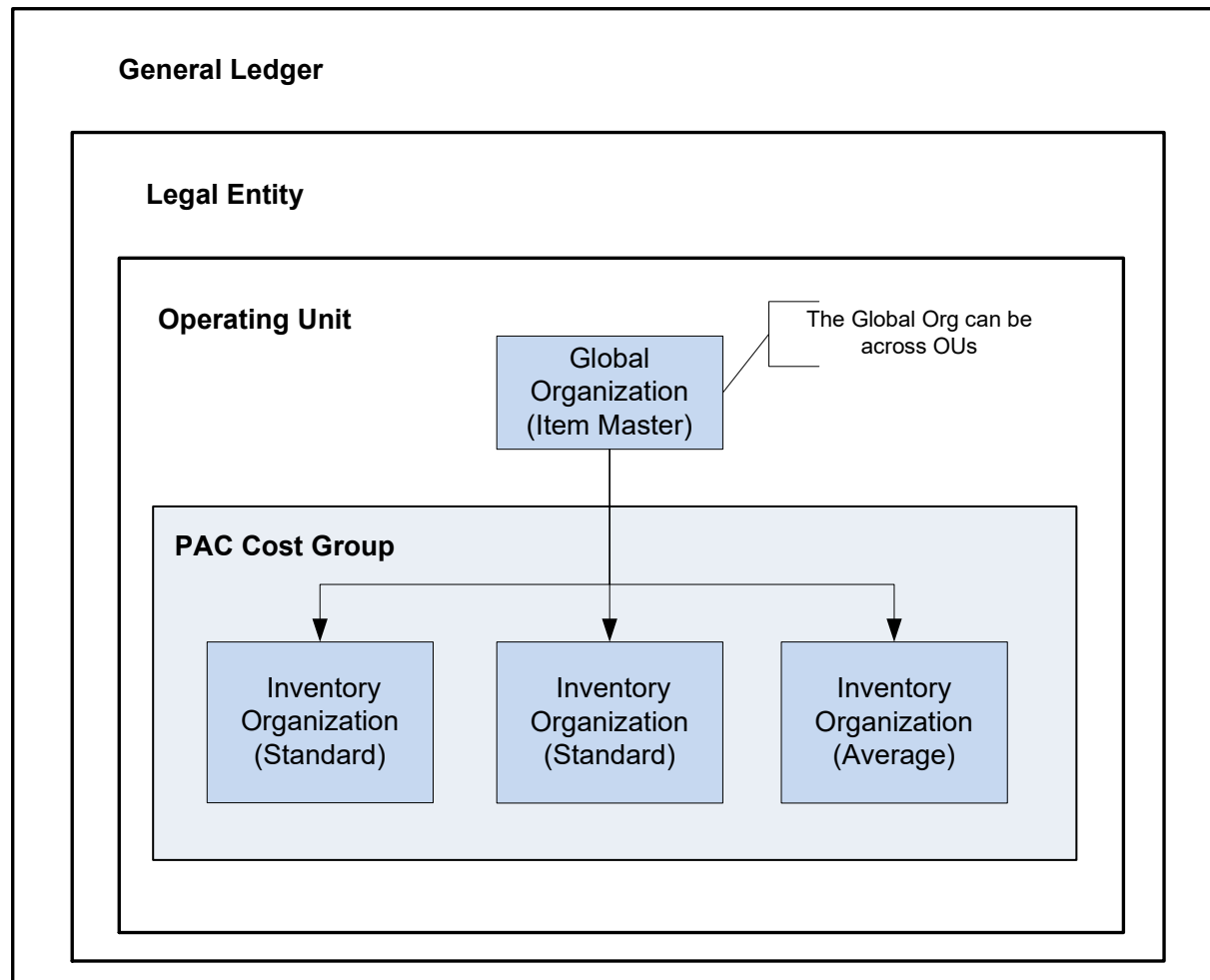
# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- Set Up Steps

# Periodic Cost Set Up Steps



# Sample Periodic Cost Structure



# Define Your Organization Cost Group

Menu path: Cost Management – SLA => Periodic Costing => Setup => Organization Cost Group

- Periodic Costing controls item costs by Cost Group

Org Cost Group	Description	Legal Entity	Item Master Organization	
PAC_CG1	Vision PAC Cost Group	Vision Operations	Vision Operations	<input type="checkbox"/>
PAC_UK	Pac Test for UK	Vision Industries	Vision Operations	<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"/>

**Note:** can't see it in the Cost Groups Form using Cost Management – SLA => Setup => Cost Group

# Create Cost Types for Periodic Costing

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

## ❑ Create Periodic item cost and rates Cost Types

**Cost Types (E3)**

Cost Type: PAC\_UK  
Description: Test Periodic Costing for UK  
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

**Cost Types (E3)**

Cost Type: PACRates01  
Description: PAC Rates 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

# Set Up Your Source Item Costs by Cost Type

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information

- ❑ The recommended method – import PAC costs using any cost type:
  - Use your Frozen cost type, or
  - Create a simulation / “what-if” cost type using Cost Mass Edits:

The screenshot shows the 'Mass Edit Cost Information (E3)' window. The 'Name' field is set to 'Mass Edit Actual Material Costs'. The 'Language' is 'American English'. The 'Run the Job' option is 'As Soon as Possible'. The 'Save all Output Files' checkbox is checked. The 'Layout' is 'noprint'. The 'Parameters' window is open, showing 'Edit Option' as 'Inv.Items', 'Category Set' as 'Inv.Items', 'Material Sub-Element' as 'Material', and 'Copy Costs' as 'Material'. The 'Edit Option' dialog box is also open, showing a list of options: 'Update material costs to Open PO average', 'Update material costs to PO receipt average', and 'Update material costs to invoice cost average'. The 'Find' button is highlighted.

# Set Up Your PAC Rates Cost Type – Matl Ovhd (1)

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information => Mass Edit Material Overhead Costs

- Use the Mass Edit Information functions and copy from Frozen:

**Mass Edit Cost Information (E3)**

Run this Request... Copy...

Name: Mass Edit Material Overhead Costs

Operating Unit: Parameters

Parameters: PACRates01....Inv\Items...Total V

Language: American English

At these Times...  
Run the Job: As Soon as Possible

Upon Completion  
☒ Save all Output Files

Layout:   
Notify:   
Print to: noprint

Help (C)

**Parameters**

Cost Type: PACRates01 PAC Rates Cost Type

Item From:   
Item To:   
Based on rolup:   
Category Set: Inv.Items

Category From:   
Category To:   
Basis Type: Total Value

Activity:   
Fixed Rate:   
Change Percentage:   
Change Amount:   
Sub-Element: MatlMgmt Material Management

Copy Costs: Yes

Copy From Cost Type: Frozen Frozen Standard Cost Type

Report Option:   
Comparison Cost Type:   
OK Cancel Clear Help

**Callouts:**

- Specify the basis type
- Leave Fixed Rate, Change Percentage and Change Amount blank
- Specify the sub-element

# PAC Rates Cost Type for Material Ovhd – Example

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information => Mass Edit Material Overhead Costs

- Use the Mass Edit Information functions and copy from Frozen:

**Mass Edit Cost Information (E3)**

Run this Request... Copy...

Name: Mass Edit Material Overhead Costs

Operating Unit:

Parameters: PACRates01.CM11222.CM11222..Inv

Language: American English

At these Times...

Run the Job: As Soon as Possible

Upon Completion:

☒ Save all Output Files

Layout:

Notify:

Print to: noprint

Help (C)

**Parameters**

Cost Type: PACRates01 PAC Rates Cost Type

Item From: CM11222

Item To: CM11222

Based on rolup:

Category Set: Inv.Items

Category From:

Category To:

Basis Type: Total Value

Activity:

Fixed Rate:

Change Percentage:

Change Amount:

Sub-Element: Mat'l Mgmt Material Management

Copy Costs: Yes

Copy From Cost Type: Frozen Frozen Standard Cost Type

Report Option:

OK Cancel Clear Help

**Callouts:**

- Specify the basis type
- Leave Fixed Rate, Change Percentage and Change Amount blank
- Specify the sub-element



# Pac Rates Cost Type for Material Ovhd – Example

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information => Mass Edit Material Overhead Costs

## □ AvgRates all set up:

The screenshot displays two Oracle application windows. The background window is titled 'Item Costs Summary (E3)' and shows a table with columns: Item, Cost Type, Use Default Controls, Inventory Asset, Based on Rollup, and Lot Size. The first row is populated with 'CM11222', 'PACRates01', and '1'. Below the table, the 'Item Description' is 'Battery - Extended Life' and the 'Cost Type Description' is 'PAC Rates Cost Type'. The foreground window is titled 'Item Costs (E3) - CM11222, PACRates01' and has two tabs: 'Cost Information' and 'Activity Information'. The 'Cost Information' tab is active, showing a table with columns: Cost Element, Sub-Element, Activity, Basis, Rate or Amount, and Unit Cost. The table contains two rows: 'Material' with a rate of 17.25 and unit cost of 17.25000, and 'Material Overhe' with a rate of .1 and unit cost of 1.72500. Below the table, the 'Basis Factor' is set to 1 and the 'MFG Shrinkage Factor' is set to 1. The 'Rollup Item Costs' section is also visible at the bottom.

Item	Cost Type	Use Default Controls	Inventory Asset	Based on Rollup	Lot Size
CM11222	PACRates01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1

Item Description: Battery - Extended Life  
Cost Type Description: PAC Rates Cost Type

Views Costs

Cost Information					
Cost Element	Sub-Element	Activity	Basis	Rate or Amount	Unit Cost
Material	Material		Item	17.25	17.25000
Material Overhe	Mat'lMgmt		Total Value	.1	1.72500

Basis Factor: 1 MFG Shrinkage Factor: 1

Rollup Item Costs

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

Basis Factor: MFG Shrinkage Factor: Source Type:

# Set Up Your AvgRates Cost Type – Matl Ovhd (2)

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information => Copy Cost Information

- ❑ Use the Copy Cost Information functions and copy from Frozen:

The screenshot shows two overlapping dialog boxes from the Oracle Applications interface. The background dialog is 'Copy Cost Information (E3)', which has fields for Name (Copy Item Costs), Operating Unit, Parameters (Remove and replace all cost information.Frozen.PACRates01.Specific item.CM08830..), and Language (American English). The foreground dialog is 'Parameters', which contains the following fields: Copy Option (Remove and replace all cost information), From Cost Type (Frozen), To Cost Type (PACRates01), Range (Specific item), Specific Item (CM08830), Category Set, and Specific Category. An orange callout box points to the 'Specific Item' field with the text 'Can't specify the sub-element'. The 'Parameters' dialog also has OK, Cancel, Clear, and Help buttons at the bottom.

# Set Up Your AvgRates Cost Type – Matl Ovhds (2)

Menu path: Cost Management – SLA => Cost Mass Edits => Mass Edit Cost Information => Mass Edit Material Overhead Costs

## □ AvgRates all set up:

The screenshot shows two Oracle Forms windows. The background window is 'Item Costs Summary (E3)' and the foreground window is 'Item Costs (E3) - CM08830, PACRates01'.

**Item Costs Summary (E3) Fields:**

Item	Cost Type	Use Default Controls	Inventory Asset	Based on Rollup	Lot Size
CM08830	PACRates01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1

Item Description: RAM - 256MB  
Cost Type Description: PAC Rates Cost Type

Buttons: Views, Costs

**Item Costs (E3) - CM08830, PACRates01 Fields:**

Cost Information | Activity Information

☒ User Defined Item Costs

Cost Element	Sub-Element	Activity	Basis	Rate or Amount	Unit Cost
Material	Material		Item	31.57	31.57000
Material Overhe	Mat'lMgmt		Item	3.157	3.15700

Basis Factor: 1 | MFG Shrinkage Factor: 1

☐ Rollup Item Costs

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

Basis Factor: | MFG Shrinkage Factor: | Source Type:

# Set Up Your PAC Rates Cost Type – Res/Ovhds

Menu path: Cost Management – SLA => Cost Mass Edits => Copy Cost Information

- ❑ Use the Copy Cost Information functions and copy from Frozen:
  - Copy Overhead Costs
  - Copy Resource Costs (see example below)
  - Copy Resource Overhead Associations

The screenshot displays two overlapping dialog boxes from the Oracle Applications interface. The background dialog is titled 'Copy Cost Information (E3)' and contains the following fields: 'Name' (Copy Resource Costs), 'Operating Unit' (empty), 'Parameters' (Remove and replace all cost information.Frozen.PACRates01.Yes.), and 'Language' (American English). It also features buttons for 'Copy...', 'Language Settings...', and 'Debug Options'. The foreground dialog is titled 'Parameters' and contains: 'Copy Option' (Remove and replace all cost information), 'From Cost Type' (Frozen) with a subtext 'Frozen Standard Cost Type', 'To Cost Type' (PACRates01) with a subtext 'PAC Rates Cost Type', 'All Resources' (Yes), and 'Specific Resource' (empty). It includes a scrollbar and buttons for 'OK', 'Cancel', 'Clear', and 'Help'.

# Set Up Your Material Overhead Absorption Rules

Menu path: Cost Management – SLA => Setup => Sub-Elements => Material Overhead Absorption Rules

- Used by both your G/L Costing Method and by Periodic Costing:

The screenshot shows the 'Material Overhead Absorption Rules (E3)' window. It contains a table with three columns: Transaction, Item Type, and Earn Material Overhead. The 'Consigned Ownership Transfer Transaction' row is highlighted. An 'Item Type' dialog box is open, showing a list of item types with 'All items' selected.

Transaction	Item Type	Earn Material Overhead
<input type="checkbox"/> PO Transactions	All items	<input checked="" type="checkbox"/>
<input type="checkbox"/> Internal Order Direct Inter-Org Transfers	All items	<input checked="" type="checkbox"/>
<input type="checkbox"/> Inventory Direct Inter-Org Transfers	All items	<input checked="" type="checkbox"/>
<input type="checkbox"/> Internal Order Intransit Inter-Org Transfers	All items	<input checked="" type="checkbox"/>
<input type="checkbox"/> Inventory Intransit Inter-Org Transfers	All items	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Consigned Ownership Transfer Transaction	All items	<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"/>		<input type="checkbox"/>

**Item Type**

Find %

Item Type

- Make items
- Buy items
- All items

Find OK Cancel

# Verify Your AvgRates Cost Type

Menu path: Cost Management – SLA => Report => Costs => Item => Cost Type Comparison Report

- Run the Cost Type Comparison Report to verify your PAC Rates:

Report Item Cost Information (E3)

Run this Request... Copy...

Name **Cost Type** **Parameters**

Operating Unit

Parameters Item.PAC

Language American

At these Times...

Run the Job As Soon

Upon Completion...

☒ Save all

Layout

Notify

Print to noprint

Report Sort Option Item

Cost Type 1 PACRates01 PAC Rates Cost Type

Cost Type 2 Frozen Frozen Standard Cost Type

Group by Sub-Element

Item From

To

Category Set Inv.Items Inventory Category Set

Category From

To

Minimum Percentage Diff 0

Minimum Amount Diff 0

Minimum Unit Cost 0

Help (C) OK Cancel Clear Help

# Associate the Organization with a Cost Group

Menu path: Cost Management – SLA => Periodic Costing => Setup => Org Cost Group / Cost Type Association

- Associate your organization(s) with this new Periodic Cost Group:
  - First choose the correct Legal Entity for your inventory organization(s):
  - Then enter your inventory organization(s)

Legal Entities

Find %

Legal Entity

- Progress Master
- Progress Warehouse
- Vision Brazil
- Vision Industries**
- Vision Operations

Find OK Ca

Org Cost Group / Cost Type Associations (Vision Industries)

Legal Entity Vision Industries

Org Cost Group Associations Cost Type Associations

Org Cost Group PAC\_UK Pac Test for UK

Organization	Organization Name
E3	Vision Industries

If already have PAC in use and want separate Cost Groups by Organization, put your cursor in the Org Cost Group field and scroll down one row so you can enter new information.

# Complete the Cost Type Associations

Menu path: Cost Management – SLA => Periodic Costing => Setup => Org Cost Group / Cost Type Association

- Associate your Cost Type with various controls::

Cost Type	Cost Method	Ledger	Periodic Rates Cost Type
PAC_UK	Periodic Average	Vision UK	PACRates01

- Choose which **Cost Type** to be used for Periodic Costing
- Select a value for the **Cost Method**. The available values are:
  - Incremental LIFO
  - Periodic Average
- Select the **Ledger** for your inventory organization
- Select the **Periodic Rates Cost Type**, this cost type will hold your material overhead, resource and resource overhead rates (this is optional).



# Complete the Cost Type Associations (Cont'd)

Menu path: Cost Management – SLA => Periodic Costing => Setup => Org Cost Group / Cost Type Association

- Associate your Cost Type with various controls::

Periodic Rates Cost Type	Material Relief Algorithm	Perform Multiple Iterations	Enable Iterative Periodic Average Costing	Restrict Documents by Process upto date
PACRates01	Use Pre-defined Materials	<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"/>
		<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"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Select the **Material Relief Algorithm** indicator to *Use Pre-defined Materials* (use BOM qtys), or *Use Actual Materials*. Note that resources and overheads are always relieved using the actual quantity
- Restrict Documents by Process Upto Date** – select the Restrict Documents by Process Upto Date indicator if you want to run partial period processing when running the periodic acquisition processors.

# Complete the Cost Type Associations (Cont'd)

Menu path: Cost Management – SLA => Periodic Costing => Setup => Org Cost Group / Cost Type Association

- Associate your Cost Type with various controls::

Legal Entity: Vision Industries

Org Cost Group Associations | Cost Type Associations

Periodic Rates Cost Type	Material Relief Algorithm	Perform Multiple Iterations	Enable Iterative Periodic Average Costing	Restrict Documents by Process upto date
PACRates01	Use Pre-defined Materials	<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"/>
		<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"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Accounting Options

- Enable Iterative Periodic Average Costing – select this indicator to enable the Iterative Periodic Average Costing (IPAC) processor at the legal entity and cost type level.
- If unchecked, PAC uses the standard periodic cost processor.
- IPAC can be useful with transfers between inventory organizations, when the two inventory organizations are in different operating units in different cost groups.

# Complete the Cost Type Associations (Cont'd)

Menu path: Cost Management – SLA => Periodic Costing => Setup => Org Cost Group / Cost Type Association

## □ PAC vs. IPAC:

- **Perform Multiple Iterations** – use with IPAC. If you choose **Enable Iterative Periodic Average Costing** you can perform multiple PAC processing calculations, helpful with transfers between inventory organizations and helpful with WIP calculations.
- For example, when both shipments and receipts occur between two cost groups for the same item, an iteration process is used to derive the periodic cost to minimize the variance.
- IPAC processes Inter-org receipts across multiple cost groups with an optimal sequence of how these cost groups cost each inventory item. Sequence is critical to process in the same order to obtain accurate PAC item cost.
- Whereas Periodic Average Costing uses the beginning average cost and does not consider costs from different cost groups.
- In addition, with IPAC, BOMs across inventory organizations across cost groups are sequenced by each assembly item and within each BOM the cost rollup sequence is used to determine to how to absorb the costs from child items in the proper sequence.
- For more information see MOS Note ID 559123.1 (Frequently Asked Questions Periodic Average Cost And Periodic Absorption Costing - PAC/PACP/IPAC Interorg Transactions in PAC).

# Open Your First PAC Accounting Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- Choose the first accounting period BEFORE you want to start your Periodic costing

Periodic Accounting Periods (Vision Industries - PAC\_UK)

Legal Entity: Vision Industries

Cost Type: PAC\_UK

Find

Accounting Periods

Status	Period	Num	Year	From	To
Future	09-05	9	2005	01-SEP-2005	30-SEP-2005
Future	08-05	8	2005	01-AUG-2005	31-AUG-2005
Future	07-05	7	2005	01-JUL-2005	31-JUL-2005
Open	06-05	6	2005	01-JUN-2005	30-JUN-2005
Future	05-05	5	2005	01-MAY-2005	31-MAY-2005
Future	04-05	4	2005	01-APR-2005	30-APR-2005
Future	03-05	3	2005	01-MAR-2005	31-MAR-2005

Change Status... Process Status

First "real" PAC transactional period

Used to load initial PAC item costs

# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- Importing Initial Periodic Costs

# Why Import Periodic Costs?

- ❑ To create your initial Periodic Costs
- ❑ Useful when implementing PAC after Go Live in Oracle
- ❑ Especially when prior month's transaction history has quality issues
- ❑ Allows you to directly approximate your initial accounting period's average item costs
- ❑ Starting point? Setting up your initial average costs in a cost type

# Periodic Cost Import Steps

- ❑ A mixture of standard functionality and SQL steps:
  - Set your PAC period phase statuses  
(Run script XXX\_SET\_PAC\_PERIOD\_PHASES.sql)
  - Load your PAC Item Cost Open Interface Tables / Import your Periodic Costs using an insert SQL script
  - Close your first PAC accounting period
  
- ❑ Useful My Oracle Support (MOS) References:
  - How to Load Costs Into PAC Tables (Doc ID 743184.1)
  - Update PAC Cost Through Interface Tables (Doc ID 848458.1)
  - How To Import PAC Costs Via Open Interface (Doc ID 941917.1)
  - *Oracle® Supply Chain Management APIs and Open Interfaces Guide*, Release 12, part no. B40113-02
  - *Oracle® Manufacturing APIs and Open Interface Manual*, Release 11i, part no. A95955-03

# Periodic Cost Import Step Comparison

Recommended Method	Per Oracle MOS
<ul style="list-style-type: none"><li>Set up your source costs in your cost type</li><li>Set your PAC period phase statuses (Run script XXX_SET_PAC_PERIOD_PHASES.sql)</li><li><b>No need to delete anything</b></li><li>Load your PAC Item Cost Open Interface Tables (Using the above cost type run an insert script to load these costs)</li><li>Import your Periodic Costs</li><li>Close your first PAC accounting period</li></ul>	<ul style="list-style-type: none"><li>Set up your source costs for your SQL load</li><li>Run all PAC processors for the open period, to set the phase status: periodic Costing - Phase 5 complete.</li><li><b>Delete core PAC tables</b> for the current PAC PERIOD_ID and COST_GROUP_ID, from:<ul style="list-style-type: none"><li>CST_PAC_ITEM_COSTS</li><li>CST_PAC_ITEM_COST_DETAILS</li><li>CST_PAC_QUANTITY_LAYERS</li></ul>(Need to delete from the core PAC tables to make way for importing the PAC item costs.)</li><li>Insert your initial costs into the Open PAC Item Cost Interface Tables</li><li>Import your Periodic Costs</li><li>Close your first PAC accounting period</li></ul>



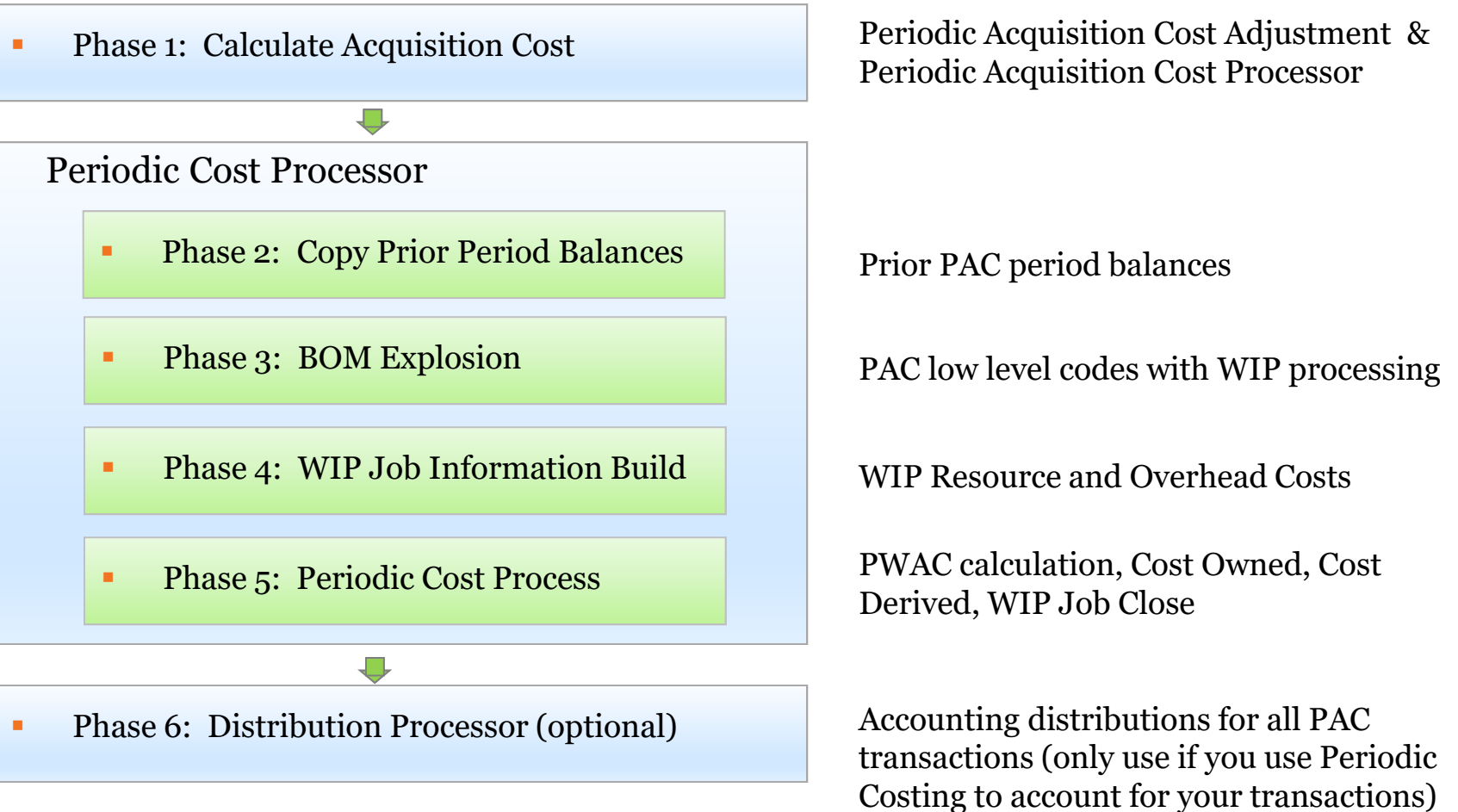
# Set Your PAC Period Phases Using SQL

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- ❑ Set the PAC Period Phases to “Complete” for the Import PAC Costs program
- ❑ Run the SQL script *XXX\_UPDATE\_PAC\_PERIOD\_PHASES.sql* (see Appendix)
  - Sets the Acquisition Cost and Cost Processing statuses
  - Easier then Oracle’s recommended method
  - Needed so you can close the PAC Period

[illegible]

# PAC Process Phases



# Set Your PAC Period Phases Using PAC Processors

Menu path: Cost Management – SLA => Periodic Costing => Compute Periodic Acquisition Cost  
Periodic Costing => Compute Periodic Average Cost

- ❑ You can also run the PAC processors to set the Period Phases:
  - Acquisition Cost Processor – runs Phase 1 where the acquisition cost is calculated
  - Run the Periodic Cost Processor – runs Phases 2 through 5 (Periodic cost is calculated during phase 5 and preceding phases process the PAC transactions)
  - Periodic Cost Distributions Processor – runs Phase 6 where distributions are created (only necessary if sending PAC accounting entries to the G/L)
- ❑ But then you have to delete any generated PAC entries by using SQL:
  - Delete from CST\_PAC\_ITEM\_COSTS
  - Delete from CST\_PAC\_ITEM\_COST\_DETAILS
  - Delete from CST\_PAC\_QUANTITY\_LAYERS
- ❑ If you import PAC costs first and then run the above PAC processors, if no transactions exist the PAC processors will delete your imported item costs
- ❑ If you do not delete PAC entries created by the PAC processors and then try to import PAC costs afterwards, you get the error message “Item Costs Exists”



## Set Your PAC Period Phases

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

■ You PAC Period Process Status should look like this:

[illegible]

# Load your PAC Item Cost Interface Tables

- Using SQL load your PAC Item Cost Interface tables
- Recommended method:
  - Base your initial PAC item costs using a cost type of your choice
  - Create a SQL script to insert into the PAC Item Cost Interface tables:
    - CST\_PC\_ITEM\_COST\_INTERFACE
    - CST\_PC\_COST\_DET\_INTERFACE
- For more information see:
  - *Oracle® Supply Chain Management APIs and Open Interfaces Guide*, Release 12, part no. B40113-02
  - *Oracle® Manufacturing APIs and Open Interface Manual*, Release 11i, part no. A95955-03

# Check for Import Errors

Menu path: Cost Management – SLA => View Requests => Log File

- ❑ Check the log file for errors:

Requests

Refresh Data Find Requests Submit a New Request...

Request ID	Name	Parent	Phase	Status	Parameters
9964884	Period Cost Import Worker		Completed	Normal	500708, 2
9964883	Period Cost Import Manage		Completed	Normal	2

Hold Request View Details... View Output

Cancel Request Diagnostics View Log...

No errors or warnings

# Check Log File for Errors – Success Example

Menu path: Cost Management – SLA => View Requests => Log File

```
+-----+
Bills of Material: Version : 12.0.0

Copyright (c) 1979, 1999, Oracle Corporation. All rights reserved.

CMCPIW module: Period Cost Import Worker
+-----+

Current system time is 27-JUN-2016 13:31:33

+-----+

debug_level = 0
CM_EXTENDED_DEBUG = 2
Parameter:
interface_group_id = 496504
delete_flag: 1 [1] Delete [2] Do Not Delete
Action: Starting to validate Periodic Open Cost Interface table information.
Start Processing header records..
Processing Header_ID: 496479
Success: Retrieved cost group and legal entity identifiers.
Cost Group Id: 44506
Legal Entity: 626
Success: Retrieved cost type and/or cost method identifiers.
Cost Type Id: 1228
Primary Cost Method: 3
Success: Retrieved Periodic Costing Period identifier.27-JUN-2016 13:31:33
PAC Period Id: 35240
Success: Validated inventory item identifier.27-JUN-2016 13:31:33
Inventory Item Id: 484
Success: Item cost does not exist in the system.27-JUN-2016 13:31:33
No Cost for Item Id: 484
Success: Layer creation successful27-JUN-2016 13:31:33
Action: Updating all derived columns to NULL in the Interface Tables.27-JUN-2016 13:31:33
Success : Updated 1 rows of CPICI for interface_header_id = 496479 to NULL
Action: Computing and Updating derived columns in the Interface Tables.
Success: Computation of all derived columns complete.
```

Success



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# Check Log File for Errors – Error Example

Menu path: Cost Management – SLA => View Requests => Log File

```
+-----+
Bills of Material: Version : 12.0.0

Copyright (c) 1979, 1999, Oracle Corporation. All rights reserved.

CMCPIW module: Period Cost Import Worker
+-----+

Current system time is 27-JUN-2016 13:31:33

+-----+

debug_level = 0
CM_EXTENDED_DEBUG = 2
Parameter:
interface_group_id = 496504
delete_flag: 1 [1] Delete [2] Do Not Delete
Action: Starting to validate Periodic Open Cost Interface table information.
Start Processing header records..
Processing Header_ID: 496480
Success: Retrieved cost group and legal entity identifiers.
Cost Group Id: 44506
Legal Entity: 626
Success: Retrieved cost type and/or cost method identifiers.
Cost Type Id: 1228
Primary Cost Method: 3
Success: Retrieved Periodic Costing Period identifier.27-JUN-2016 13:31:33
PAC Period Id: 35240
Success: Validated inventory item identifier.27-JUN-2016 13:31:33
Inventory Item Id: 3751
Error: Item cost exists in the system.
```

Item cost  
exists error



# View Your New Periodic Item Costs

Menu path: Cost Management – SLA => Periodic Costing => Item Cost Inquiry

Find Periodic Item Cost

Legal Entity

Vision Industries

Cost Type

PAC\_UK

Cost Group

PAC\_UK

Period

06-05

Item

Item Range

Category Set

Category

Category Organization

Clear

Item Cost Inquiry

Legal Entity

Vision Industries

Cost Type

PAC\_UK

Test Periodic Costing for UK

Cost Group

PAC\_UK

Pac Test for UK

Period

06-05

Open

Periodic Item Costs

Item	Item Cost	Market Value	Justification	
AS54888	132.13			
AS92689	790.6			
AS18947	666.86			
CM85062	2.86			
CM76962	19.1			
CM74237	21.07			
CM18759	12.83			
CM42047	2.63			

Item Description

Sentinel Standard Desktop

# View Your Loaded Periodic Item Costs

Menu path: Cost Management – SLA => Periodic Costing => Item Cost Inquiry

The image displays two screenshots of the Oracle Item Cost Inquiry window. The left screenshot shows the window with the following fields: Legal Entity (Vision Industries), Cost Type (PAC\_UK), Cost Group (PAC\_UK), Period (06-05), Test Periodic Costing for UK, Pac Test for UK, and Open. The Periodic Item Costs table shows item CM08830 with a cost of 34.727. The right screenshot shows the same window with item CM11222 selected, showing a cost of 18.975. The table also includes columns for Market Value and Justification. An orange callout points to the 'Sample items' text.

Legal Entity: Vision Industries  
Cost Type: PAC\_UK  
Cost Group: PAC\_UK  
Period: 06-05  
Test Periodic Costing for UK  
Pac Test for UK  
Open

Periodic Item Costs

Item	Item Cost	Market Value	Justification
CM08830	34.727		
CM11222	18.975		

Item Description: RAM - 256MB

Sample items

Item Description: Battery - Extended Life

# Report Your New Periodic Inventory Values

Menu path: Cost Management – SLA => Periodic Costing => Reports => Periodic Inventory Value Report

**Request Periodic Cost Report**

Run this Request... Copy...

Name: Periodic Inventory Value Report

Operating Unit: Parameters

Parameters: Vision Industries:PA

Language: American English

At these Times...  
Run the Job: As Soon as Possible

Upon Completion...  
☒ Save all Output File

Layout:   
Notify:   
Print to: noprint

Help (C)

**Parameters**

Legal Entity: Vision Industries

Cost Type: PAC\_UK Test Periodic Costing for UK

Period: 35241 06-05

Cost Group: PAC\_UK Pac Test for UK

Sort Option: Item

Report Option: Detail

Item From:   
Item To:

Category Set: Inv.Items Inventory Category Set

Category From:   
Category To:

Category Organization: E3

Currency: GBP Pound Sterling

Exchange Rate: 1

Zero Quantity: Yes

OK Cancel Clear Help



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# Report Your New Periodic Inventory Values

Menu path: Cost Management – SLA => Periodic Costing => Reports => Periodic Inventory Value Report

Sort by Item				Periodic Average Costing			Report Date: 16-JUL-2016 18:58		
Legal Entity : Vision Industries				Inventory Value Report			Page: 2		
Cost Type : PAC_UK				Summary (GBP)					
Org Cost Group : PAC_UK									
Period : 06-05									
Category Set : Inv.Items									
				----- On-hand -----			----- Receiving -----		
							Average Acquisition Cost		
Item	Description	Category	UOM	Quantity	Unit Cost	Value	Quantity	Value	Total Value
FS54888	Sentinel Standard	COMPUTER.DESKT	Ea	0.00	218.93	0.00		0.00	0.00
FS65101	Vision Pad - Bron	COMPUTER.HANDH	Ea	0.00	93.83	0.00		0.00	0.00
FS65102	Vision Pad - Bron	COMPUTER.HANDH	Ea	0.00	112.59	0.00		0.00	0.00
WM101	Laser Printer	PERIPHERAL.PRI	Ea	50.00	107.99	5,399.50		0.00	5,399.50
Report Total:								96,411.69	

# Close Your First PAC Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- ❑ Process Phase has to be “Complete” for all PAC Cost Types in the Legal Entity:

Periodic Accounting Periods (Vision Industries - PAC\_UK)

Legal Entity: Vision Industries  
Cost Type: PAC\_UK

Accounting Periods

Status	Period	Num	Year	From	To	Close Date
Future	09-05	9	2005	01-SEP-2005	30-SEP-2005	
Future	08-05	8	2005	01-AUG-2005	31-AUG-2005	
Future	07-05	7	2005	01-JUL-2005	31-JUL-2005	
Open	06-05	6	2005	01-JUN-2005	30-JUN-2005	
Future	05-05	5	2005	01-MAY-2005	31-MAY-2005	
Future	04-05	4	2005	01-APR-2005	30-APR-2005	
Future	03-05	3	2005	01-MAR-2005	31-MAR-2005	

Change Status... Process Status

Caution

⚠ Closing a period is an irreversible process. Proceed with closing this period?

OK Cancel

# Close Your First PAC Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- ❑ The inventory accounting period has to be closed first:

Periodic Accounting Periods (Vision Industries - PAC\_UK)

Legal Entity: Vision Industries Find

Cost Type: PAC\_UK

Accounting Periods

Status	Period	Num	Year	From	To	Close Date
Future	09-05	9	2005	01-SEP-2005	30-SEP-2005	
Future	08-05	8	2005	01-AUG-2005	31-AUG-2005	
Future	07-05	7	2005	01-JUL-2005	31-JUL-2005	
Open	06-05	6	2005	01-JUN-2005	30-JUN-2005	
Future	05-05	5	2005	01-MAY-2005	31-MAY-2005	
Future	04-05	4	2005	01-APR-2005	30-APR-2005	
Future	03-05	3	2005	01-MAR-2005	31-MAR-2005	

Change Status... Process

**Error**

All perpetual periods for all organizations in all organization cost groups in the legal entity having period end dates less than or equal to periodic accounting period end date has to be closed before closing the periodic accounting period.

OK

# Close Your First PAC Period

Menu path: Cost Management – SLA => Accounting Close Cycle => Inventory Accounting Periods

- ❑ Inventory Accounting Period has to be closed first:

The screenshot shows the 'Inventory Accounting Periods (E3)' window with a table of periods. The table has columns for Status, Period, Num, Year, From, To, and Close Date. The period 06-05 is selected. A 'Change Period Status' dialog box is open, showing 'New Status' options: 'Future' and 'Closed (Irreversible)'. The 'Closed (Irreversible)' option is selected. The 'OK' button is highlighted with a mouse cursor. An arrow points from the 'Change Status...' button in the main window to the dialog box.

Status	Period	Num	Year	From	To	Close Date
Open	10-05	10	2005	01-OCT-2005	31-OCT-2005	
Open	09-05	9	2005	01-SEP-2005	30-SEP-2005	
Open	08-05	8	2005	01-AUG-2005	31-AUG-2005	
Open	07-05	7	2005	01-JUL-2005	31-JUL-2005	
Open	06-05	6	2005	01-JUN-2005	30-JUN-2005	
Closed	05-05	5	2005	01-MAY-2005	31-MAY-2005	27-JUN-2016
Closed	04-05	4	2005	01-APR-2005	30-APR-2005	27-JUN-2005
Closed	03-05	3	2005	01-MAR-2005	31-MAR-2005	27-JUN-2005
Closed	02-05	2	2005	01-FEB-2005	28-FEB-2005	27-JUN-2005
Closed	01-05	1	2005	01-JAN-2005	31-JAN-2005	27-JUN-2005

Buttons: Pending..., Values at Close, Distributions, Change Status...

Change Period Status dialog box:

New Status

- ☐ Future
- ☒ Closed (Irreversible)

Buttons: Pending..., OK, Cancel

# Close Your First PAC Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- Can now close the Periodic Accounting Period:

Periodic Accounting Periods (Vision Industries - PAC\_UK)

Legal Entity: Vision Industries  
Cost Type: PAC\_UK

Accounting Periods

Status	Period	Num	Year	From	To	Close Date
Future	09-05	9	2005	01-SEP-2005	30-SEP-2005	
Future	08-05	8	2005	01-AUG-2005	31-AUG-2005	
Future	07-05	7	2005	01-JUL-2005	31-JUL-2005	
Open	06-05	6	2005	01-JUN-2005	30-JUN-2005	
Future	05-05	5	2005	01-MAY-2005	31-MAY-2005	
Future	04-05	4	2005	01-APR-2005	30-APR-2005	
Future	03-05	3	2005	01-MAR-2005	31-MAR-2005	

Change Status... Process Status

Note: APP-INV-05541: Report request 9966406 has been sent to the concurrent manager

Inventory Accounting Periods (E3)

Status	Period	Num	Year	From	To	Close Date
Open	11-05	11	2005	01-NOV-2005	30-NOV-2005	
Open	10-05	10	2005	01-OCT-2005	31-OCT-2005	
Open	09-05	9	2005	01-SEP-2005	30-SEP-2005	
Open	08-05	8	2005	01-AUG-2005	31-AUG-2005	
Open	07-05	7	2005	01-JUL-2005	31-JUL-2005	
Closed	06-05	6	2005	01-JUN-2005	30-JUN-2005	17-JUL-2016
Closed	05-05	5	2005	01-MAY-2005	31-MAY-2005	27-JUN-2016
Closed	04-05	4	2005	01-APR-2005	30-APR-2005	27-JUN-2005
Closed	03-05	3	2005	01-MAR-2005	31-MAR-2005	27-JUN-2005
Closed	02-05	2	2005	01-FEB-2005	28-FEB-2005	27-JUN-2005

Pending... Values at Close Distributions Change Status...



# Close Your First PAC Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

## ❑ Prerequisites to closing the Periodic Accounting Period:

- The inventory (perpetual) periods are closed
- No backdated transactions in the cost group since the last time the cost group was processed
- There are no pending transactions for the period in Inventory, Work in Process or Receiving for the cost group
- If the inventory organization is enabled with LCM there are no pending Landed Cost Adjustment interface records

# Summary: Periodic Cost Set Up and Import Steps

## Set Up Steps

- Define the organization cost group
- Create the cost types and periodic rates cost types for use in Periodic Costing
- Associate the organization with an organization cost group
- Associate the cost type with the legal entity and ledger
- Open your first PAC accounting period

## Import Existing Average or Simulation Costs

- Set up your source costs in your source cost type
- Run script XXX\_SET\_PAC\_PERIOD\_PHASES.sql to set your period phases
- Using the above cost type run an insert SQL script to load your cost type
- Import your Periodic Costs
- Close your first PAC accounting period



# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- Periodic Costing Processes

# Open Your Next Transactional PAC Period

Menu path: Cost Management – SLA => Periodic Costing => Periodic Close Cycle => Periodic Accounting Periods

- Open the next Periodic Accounting Period for periodic cost processing:

The screenshot displays the 'Periodic Accounting Periods (Vision Industries - PAC\_UK)' window. The 'Legal Entity' is set to 'Vision Industries' and the 'Cost Type' is 'PAC\_UK'. The 'Accounting Periods' table shows the following data:

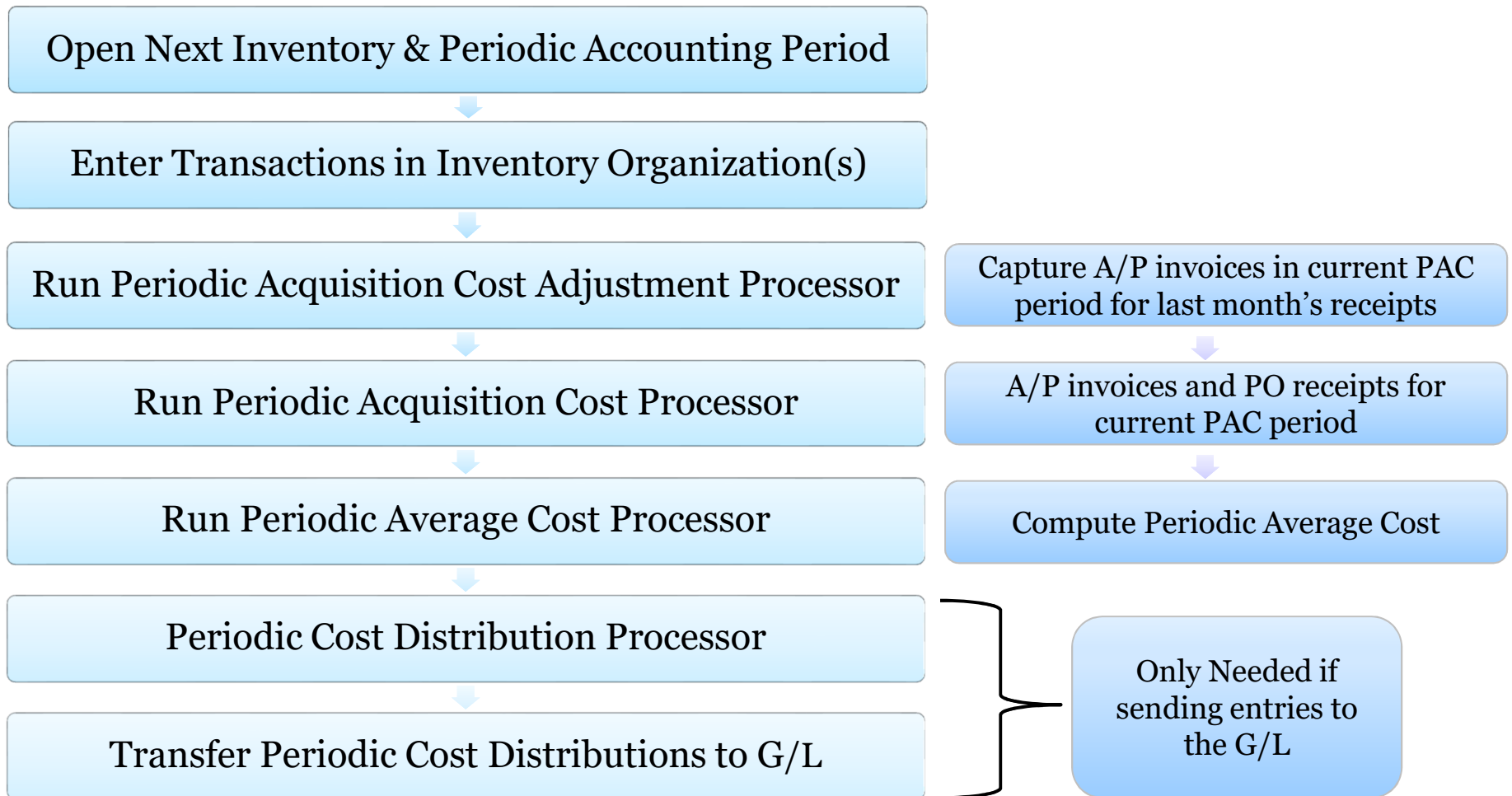
Status	Period	Num
Future	09-05	9
Future	08-05	8
Future	07-05	7
Closed	06-05	6
Future	05-05	5
Future	04-05	4
Future	03-05	3

The 'Future' status for period 07-05 (Num 7) is selected. A 'Caution' dialog box is overlaid on the window, displaying a yellow warning triangle and the text: 'Opening a period is an irreversible process. Proceed with opening this period?'. The dialog has 'OK' and 'Cancel' buttons. Below the dialog, the 'Period Dates' section shows the following data:

Year	Start Date	End Date
2005	01-MAY-2005	31-MAY-2005
2005	01-APR-2005	30-APR-2005

At the bottom of the window, there are buttons for 'Change Status...' and 'Process Status'.

# PAC Business Cost Processes



# Run Periodic Acquisition Cost Adjustment Processor

Menu path: Cost Management – SLA => Periodic Costing => Compute Periodic Acquisition Cost Adjustment

- Capture A/P invoices in current PAC period for PO receipts that happened in the prior PAC period

The screenshot shows the 'Periodic Acquisition Cost Processor' window with the 'Parameters' sub-window open. The main window has fields for Name, Operating Unit, Parameters, and Language. The 'Parameters' sub-window contains the following fields:

Field	Value	Additional Info
Legal Entity	Vision Industries	
Cost Type	PAC_UK	Test Periodic Costing for UK
Period	36238	07-05 (01-JUL-05 31-JUL-05)
Process Upto Date	31-JUL-2005	
Cost Group	PAC_UK	Pac Test for UK
Run Option	All Invoices	All Invoices
Parent Receipt		
Invoice Number		
Inventory Adjustment Account	03-720-5390-000-000	

Buttons at the bottom of the Parameters window: OK, Cancel, Clear, Help.

# Run Periodic Acquisition Cost Processor

Menu path: Cost Management – SLA => Periodic Costing => Compute Periodic Acquisition Cost

- Capture A/P invoices and PO receipts for current PAC period

The screenshot shows the 'Periodic Acquisition Cost Processor' window with the following fields:

- Run this Request... (Copy... button)
- Name: Periodic Acquisition Cost Processor
- Operating Unit: (empty)
- Parameters: Vision Industries:PAC\_UK:36238:31-JUL-2005:PAC\_UK:Start
- Language: American English
- Language Settings... (button)
- Debug Options (button)
- At these Times...
  - Run the Job: As Soon as Possible
- Upon Completion...
  - ☒ Save all Output File
  - Layout: (empty)
  - Notify: (empty)
  - Print to: noprint
- Help (C) (button)

The 'Parameters' dialog box is open, showing the following fields:

- Legal Entity: Vision Industries
- Cost Type: PAC\_UK (Test Periodic Costing for UK)
- Period: 36238 (07-05 (01-JUL-05 31-JUL-05))
- Process Upto Date: 31-JUL-2005
- Cost Group: PAC\_UK (Pac Test for UK)
- Run Options: Start
- Progress bar
- OK, Cancel, Clear, Help (buttons)

# Run Periodic Average Cost Processor

Menu path: Cost Management – SLA => Periodic Costing => Compute Periodic Average Cost

## Now Calculate New PAC Period Costs

The image shows two overlapping Oracle application windows. The background window is titled "Periodic Cost Processor" and contains fields for Name, Operating Unit, Parameters, and Language. The foreground window is titled "Parameters" and contains fields for Legal Entity, Cost Type, Period, Process Upto Date, Cost Group, and Run Options. The "Parameters" window also includes a "Test Periodic Costing for UK" label and a "Pac Test for UK" label. The "Run Options" field has a scroll bar.

Field	Value
Name	Periodic Average Cost Processor
Operating Unit	
Parameters	Vision Industries:PAC_UK:36238:31-JUL-2005:PAC_UK:Start
Language	American English

Field	Value
Legal Entity	Vision Industries
Cost Type	PAC_UK
Period	36238
Process Upto Date	31-JUL-2005
Cost Group	PAC_UK
Run Options	Start



# View Your New Periodic Item Costs

Menu path: Cost Management – SLA => Periodic Costing => Item Cost Inquiry

Legal Entity: Vision Industries  
Cost Type: PAC\_UK  
Cost Group: PAC\_UK  
Period: 07-05

Test Periodic Costing for UK  
Pac Test for UK  
Open

Periodic Item Costs

Item	Item Cost
CM08830	31.57

Item Description: RAM - 256MB

Prior example items

Legal Entity: Vision Industries  
Cost Type: PAC\_UK  
Cost Group: PAC\_UK  
Period: 07-05

Test Periodic Costing for UK  
Pac Test for UK  
Open

Periodic Item Costs

Item	Item Cost	Market Value	Justification
CM11222	18.975		

Item Description: Battery - Extended Life

# Report Your New Periodic Acquisition Costs

Menu path: Cost Management – SLA => Periodic Costing => Reports => Periodic Acquisition Cost Report

**Request Periodic Cost Report**

Run this Request...

Copy...

Name: Periodic Acquisition Cost Report

Operating Unit:

Parameters: Vision Industries:PAC\_UK:36238:PAC\_UK::All Receipts

Language:

At these Times...

Run the Job

Upon Completion...

Layout

Notify

Print to

Help (C)

**Parameters**

Legal Entity: Vision Industries

Cost Type: PAC\_UK Test Periodic Costing for UK

Period: 36238 07-05

Cost Group: PAC\_UK Pac Test for UK

Item From:

Item To:

Run Option: All Receipts

OK Cancel Clear Help

# Report Your New Periodic Acquisition Costs

Vision Industries

Periodic Acquisition Cost Report

Item: CM08830 / CM08830 (GBP)

Report Date: 18-JUL-16

22:26

Page: 2

Cost Group: PAC\_UK

Cost Type: PAC\_UK

Period: 07-05

Option: Receipts that used PO price

Organization: E3

Item: CM08830

Receipt Number: 6658

Receipt Line: 1

Transaction Date: 13-JUL-05

Purchase Order: 8

Purchase Order Line: 3

Primary UOM: Ea

Uninvoiced Quantity: 43.00

Invoiced Quantity: 0.00

Quantity Received: 43.00

Costed Quantity: 43.00

Uninvoiced Amount: 1,357.51

Invoiced Amount: 0.00

Total Amount: 1,357.51

Acquisition Cost: 31.57

Invoice / Purchase Order Number	Source	Distribution Line	Level	Line Type	Quantity/Amount	Price	Amount
8	PO			Purchase Order	43.00	31.57	1,357.51

Total Uninvoiced Quantity: 211.00

Total Invoiced Qty: 0.00

Total Received Quantity: 211.00

Total Uninvoiced Amount: 13,140.83

Total Invoiced Amount: 0.00

Total Amount: 13,140.83

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

# Report Your Periodic Item Cost Changes

Menu path: Cost Management – SLA => Periodic Costing => Reports => Periodic Item Cost Change Report

The image shows two overlapping Oracle Applications dialog boxes. The background box is titled 'Request Periodic Cost Report' and contains fields for 'Name' (Periodic Item Cost Change Report), 'Operating Unit', 'Parameters' (Vision Industries:PAC\_UK:35241:PAC\_UK:Inv.Items:V1:::), and 'Language' (American English). It also has sections for 'At these Times...' (Run the Job: As Soon as) and 'Upon Completion...' (Save all O, Layout: Periodic Item, Notify, Print to: noprint). The foreground box is titled 'Parameters' and contains fields for 'Legal Entity' (Vision Industries), 'Cost Type' (PAC\_UK), 'PAC Period' (35241), 'Cost Group' (PAC\_UK), 'Category Set' (Inv.Items), 'Category Organization' (E3), 'From Category', 'To Category', 'From Item', and 'To Item'. Both boxes have 'OK', 'Cancel', 'Clear', and 'Help' buttons at the bottom.

**Request Periodic Cost Report**

Run this Request... Copy...

Name: Periodic Item Cost Change Report

Operating Unit:

Parameters: Vision Industries:PAC\_UK:35241:PAC\_UK:Inv.Items:V1:::

Language: American English

At these Times...  
Run the Job: As Soon as

Upon Completion...  
☒ Save all O  
Layout: Periodic Item  
Notify:  
Print to: noprint

Help (C)

**Parameters**

Legal Entity: Vision Industries

Cost Type: PAC\_UK Test Periodic Costing for UK

PAC Period: 35241 06-05

Cost Group: PAC\_UK Pac Test for UK

Category Set: Inv.Items Inventory Category Set

Category Organization: E3

From Category:

To Category:

From Item:

To Item:

OK Cancel Clear Help

# Report Your Periodic Item Cost Changes

Menu path: Cost Management – SLA => Periodic Costing => Reports => Periodic Item Cost Change Report

---

## Vision Industries

PAC\_UK  
07-05  
PAC\_UK  
Inv.Items  
E3  
CM08830  
CM08830  
GBP

Vision / demo  
environment could not  
display this report  
correctly

COMPONENT.ELECTRICAL  
CM08830  
251  
1  
Period Beginning  
0  
0  
34.73  
0  
0  
0

COMPONENT.ELECTRICAL  
CM08830  
251  
3  
Cost Owned Transaction(s)  
211  
211  
65.44  
13806.96  
13806.96  
0

COMPONENT.ELECTRICAL  
CM08830  
251  
9  
Cost Derived Transaction(s)  
-73  
138  
65.44  
-4776.81  
9030.14  
0

COMPONENT.ELECTRICAL  
CM08830  
251  
10  
Period Ending  
0  
138  
65.44  
0  
9030.14  
0



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# Want to Know Your Average Costs? Run Periodic Costing Alongside Your Costing Method!

- Copying Periodic Costs Back

# Copying Periodic Costs Back

Menu path: Cost Management – SLA => Periodic Costing => Copy Periodic Costs

The screenshot displays two overlapping Oracle Applications windows. The background window is titled 'Copy Item Periodic Costs' and contains the following fields:

- Run this Request...**
  - Name: Copy Item Period Cost
  - Operating Unit: (empty)
  - Parameters: (empty)
  - Language: American English
- At these Times...**
  - Run the Job: As Soon as Possible
- Upon Completion...**
  - ☒ Save all Output Files
  - Layout: (empty)
  - Notify: (empty)
  - Print to: noprint
- Buttons: Help (C)

The foreground window is titled 'Parameters' and contains the following fields:

- Legal Entity: Vision Industries
- Cost Type: PAC\_UK
- Cost Group: PAC\_UK
- Period: 07-05
- To Organization: Vision Industries
- To Cost Type: Current
- Material Subelement: Material
- Material Overhead Subelement: Mat'IMgmt
- Resource Subelement: Lbr1
- Outside Processing Subelement: OSP
- Overhead Subelement: (empty)
- Copy Option: Remove and replace
- Range: All items
- Specific Item: (empty)
- Category Set: (empty)
- Specific Category: (empty)

At the bottom of the 'Parameters' window are buttons for OK, Cancel, Clear, and Help.

# Summary: Periodic Cost Set Up and Import Steps

## Periodic Costing

- Used as G/L Costing Method in several Southern Europe and Latin American countries
- Otherwise can be used to derive an Average Cost even while using other Costing Methods
- Able to set up even if already live, can import your initial Periodic Costs
- If have inter-organization transfers, consider using Iterative Periodic Average Costing (IPAC)



# Acknowledgements

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# Summary: Helpful Documents

## My Oracle Support (MOS):

- Advisor Webcast, Iterative Periodic Average Costing (IPAC) in Oracle Cost Management, March 8<sup>th</sup>, 2016
- Frequently Asked Questions Periodic Average Cost And Periodic Absorption Costing (PAC/PACP/IPAC Interorg Transactions in PAC, Doc ID 559123.1)
- Data Collection Scripts and Process Flow for Periodic Average Costing ( PAC IPAC ) - Cost Management (Doc ID 1928724.1)
- How to Load Costs Into PAC Tables (Doc ID 743184.1)
- Update PAC Cost Through Interface Tables (Doc ID 848458.1)
- How To Import PAC Costs Via Open Interface (Doc ID 941917.1)
- *Oracle® Supply Chain Management APIs and Open Interfaces Guide*, Release 12, part no. B40113-02
- *Oracle® Manufacturing APIs and Open Interface Manual*, Release 11i, part no. A95955-03



# APPENDIX

- Example of Cost Changes
- SQL to Update Period Phases
- Running Periodic Costing Diagnostics

# Example of Cost Changes – CMo8830

Menu path: Cost Management – SLA => Periodic Costing => View Transactions => Material and Receiving Transactions

- Capture A/P invoices and PO receipts for current PAC period

Material and Receiving Transactions

Location	Intransit	Reason, Reference	Transaction ID	Transaction Type	Receipt Transaction
Item	Transaction Id	Source Type	Source	Transaction Type	Trans
CM08830	20038623	Purchase order	8	PO Receipt	Recei
CM08830	20029927	Purchase order	8	PO Receipt	Recei

Legal Entity: Vision Industries  
Organization Code: E3  
Item Description: RAM - 256MB  
Primary UOM: Ea  
Organization Cost Group: PAC\_UK  
Organization Name: Vision Industries  
Date: 13-JUL-2005 04:11:52  
Primary Quantity: 43



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# Example of Cost Changes – CMo8830 & CM11222

Menu path: Purchasing Vision UK => Purchase Orders => Purchase Orders

- Existing PO 8 same as starting Periodic Item Cost
- Need to change to match the List Price: 102 for item CMo8830; 100 for CM11222

**Purchase Orders - 8**

Operating Unit: Vision Industries | Created: 11-APR-2002 22:45:20  
PO, Rev: 8 | Type: Blanket Purchase Agreement  
Supplier: Consolidated Supplies | Site: RICHMOND  
Ship-To: Vision Industries | Bill-To: Vision Industries  
Buyer: Finney, Mr. Philip John | Status: Approved  
Description: BPA Inv. items

P-Card: | Contact: McBride, Phillis  
Currency: GBP  
Amt Agreed: | Released: 20,484,914.33  
☐ Global

**Lines** | Price Reference | Reference Documents | More | Agreement | Temporary Labor

Num	Type	Item	Rev	Job	Category	Description	UOM	Quantity	Price
1	Goods	AS54888			PRODUCTN.FINC	Sentinel Standard Des	Each		132.13
2	Goods	AS92688			PRODUCTN.FINC	Emery Standard Laptop	Each		798.6
3	Goods	CM08830			PRODUCTN.ELE	RAM - 256MB	Each		31.57
4	Goods	CM11222			MISC.MISC	Battery - Extended Life	Each		17.25
5	Goods	CM18759			PRODUCTN.ELE	Keyboard - 101 Key	Each		12.83
6	Goods	CM18761			PRODUCTN.ELE	Ergonomic Keyboard	Each		12.83
7	Goods	CM32546			PRODUCTN.ELE	Battery - NiHM	Each		25.4
8	Goods	CM44131			PRODUCTN.ELE	Modem - 56k v.90	Each		22.48
9	Goods	CM55437			MISC.MISC	Docking Station	Each		69.26

Item: CM08830 | RAM - 256MB

**Agreement** | Temporary Labor

Num	List Price	Market Price
1	1107.86	0
2	2935.934	0
3	102	102
4	100	100
5	30	0
6	48	0
7	58	0
8	32.589	0
9	135	

Buttons: Catalog... | Currency... | Terms | Price Breaks | Approve...

Menu path: Purchasing Vision UK => Purchase Orders => Purchase Orders

- [illegible]

# Example of Cost Changes – CMo8830 & CM11222

Menu path: Inventory Vision UK => Transactions => Receiving => Receipts

- Process new receipt for PO 1041 for item CMo8830; 100 for CM11222

**Receipts (E3)**

Lines   Details   Currency   Order Information   Outside Services   Shipment Information

	Quantity	UOM	Secondary	Description	Location	Requester	Subinventory
<input checked="" type="checkbox"/>	92	Each		RAM - 256MB			FGI
<input checked="" type="checkbox"/>	50	Each		Battery - Extended			FGI
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

**Receipt Header (E3)**

☒ New Receipt   ☐ Add To Receipt

Receipt:   Shipment: Test for PAC   Receipt Date: 17-JUL-2005 20:48

Packing Slip:   Shipped Date:   Waybill/Airbill:   Bill of Lading:   Received By: Finney, Mr. Philip John

Freight Carrier:   Containers:   Supplier: Consolidated Supplies   Comments: Test for PAC average costing processing

Operating Unit: Vision Industries   Supplier: Consolidated Supp   Item Description: Battery - Extended   Destination: ---   Header Receiver Note:   Shipment Receiver Note:   Location: Lo

# Example of Cost Changes – CM08830 & CM11222

Menu path: Inventory Vision UK => Transactions => Material Transactions

■ Processed using 17-Jul-2005 transaction date

The screenshot displays the 'Material Transactions (E3)' window in Oracle Inventory Vision UK. The window is divided into a left-hand filter pane and a main transaction list area. The filter pane on the left includes fields for Transaction Dates (17-JUL-2005 00:00:00 to 17-JUL-2005 23:59:59), Item, Description, Category Set, Subinventory, Lot, Supplier Lot, Source Type (Purchase order), Source (1041), Action, Transaction Type, Transaction Quantities, Supplier, and Transferred to Projects. The main area shows a table of transactions with columns: Item, Source Type, Source, Transaction Type, Transaction Action, Transaction Quantity, and Transac. Two transactions are listed: CM11222 (Purchase order, 1041, PO Receipt, Receipt into stores, 50, Ea) and CM08830 (Purchase order, 1041, PO Receipt, Receipt into stores, 92, Ea). Below the table, the 'Item Description' is 'Battery - Extended Life', 'Date' is '17-JUL-2005 20:48:37', 'Primary UOM' is 'Ea', 'Primary Quantity' is '50', and 'Secondary UOM' is empty. At the bottom right are buttons for 'Distributions' and 'Lgt / Serial'.

Item	Source Type	Source	Transaction Type	Transaction Action	Transaction Quantity	Transac
CM11222	Purchase order	1041	PO Receipt	Receipt into stores	50	Ea
CM08830	Purchase order	1041	PO Receipt	Receipt into stores	92	Ea

Item Description: Battery - Extended Life  
Date: 17-JUL-2005 20:48:37  
Primary UOM: Ea  
Primary Quantity: 50  
Secondary UOM:   
Buttons: Distributions, Lgt / Serial



# Example of Cost Changes – CMo8830

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

- Processed using 17-Jul-2005 transaction date

Transaction Date	Account	Transaction Value	Item	Revision	Transaction Type
17-JUL-2005 20:46	03-000-5210-000-000	4,137.50	CM11222		PO Receipt
17-JUL-2005 20:46	03-000-1410-000-000	862.50	CM11222		PO Receipt
17-JUL-2005 20:46	03-000-1420-000-000	86.25	CM11222		PO Receipt
17-JUL-2005 20:46	03-000-1410-000-000	-5,000.00	CM11222		PO Receipt
17-JUL-2005 20:46	03-520-5390-000-000	-86.25	CM11222		PO Receipt

Item	CM11222	UOM	Ea
Description	Battery - Extended Life	Quantity	-50.00
Revision		Unit Cost	100.00000
Account	03-000-1410-000-000	Value	-5,000.00

# Example of Cost Changes – CM11222

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

## Using 17-Jul-2005 transaction date

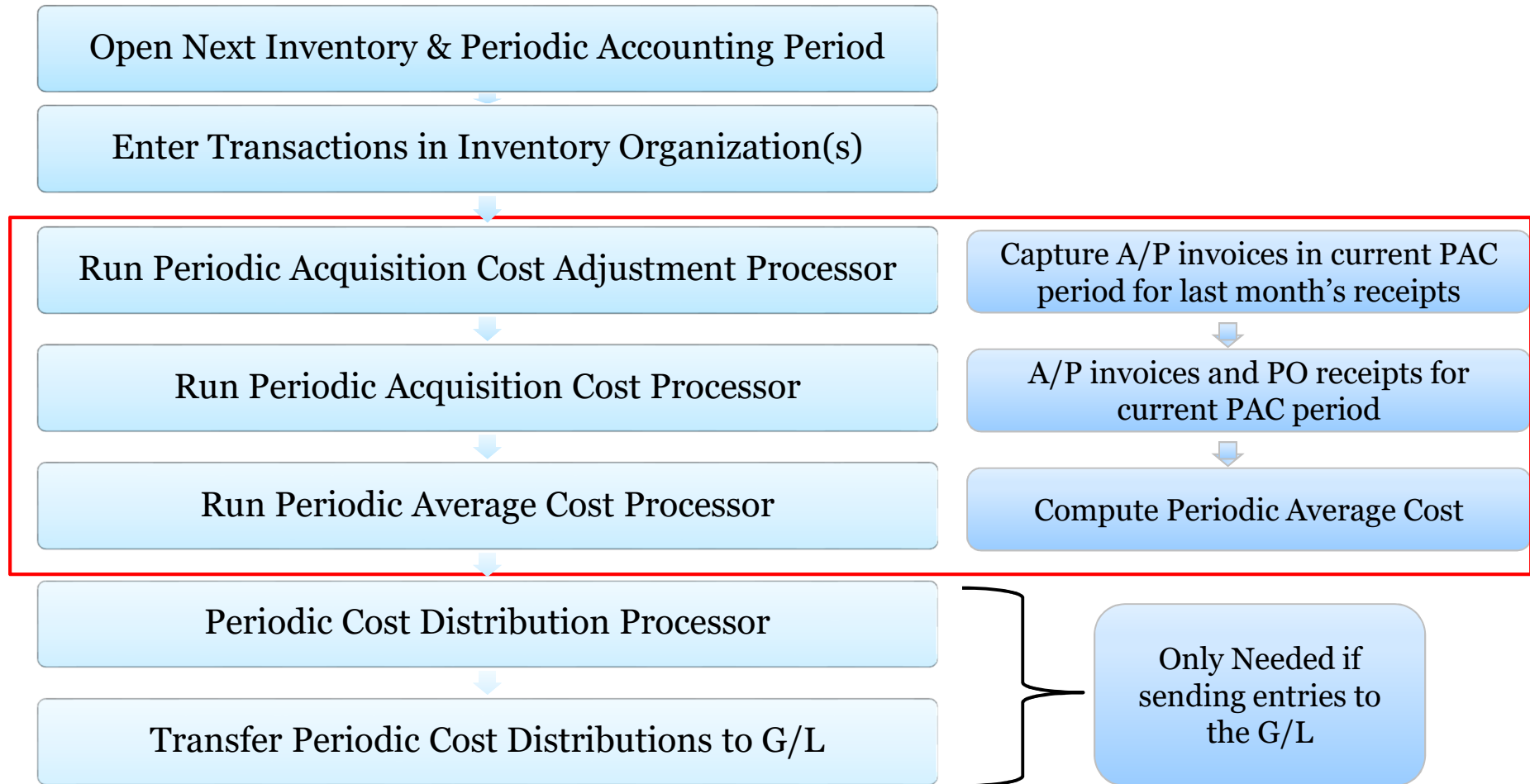
Material Transaction Distributions (E3) - 28787373

Transaction Date	Account	Transaction Value	Item	Revision	Transaction Type
17-JUL-2005 20:48	03-000-5210-000-000	6,479.56	CM08830		PO Receipt
17-JUL-2005 20:48	03-000-1410-000-000	2,904.44	CM08830		PO Receipt
17-JUL-2005 20:48	03-000-1420-000-000	290.44	CM08830		PO Receipt
17-JUL-2005 20:48	03-000-1410-000-000	-9,384.00	CM08830		PO Receipt
17-JUL-2005 20:48	03-520-5390-000-000	-290.44	CM08830		PO Receipt

Item	CM08830	UOM	Ea
Description	RAM - 256MB	Quantity	-92.00
Revision		Unit Cost	102.00000
Account	03-000-1410-000-000	Value	-9,384.00

# Run These PAC Business Cost Processes



## Example of Cost Changes – CM11222

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

Cost Owned Transactions (PO Receipts):

[illegible]

**PO Receipt Cost:**

$$50 \times 110.00 = 5,500.00$$

### PO Receipt Unit Costs:

Material: 100.0000

Matl Ovhd: 10.0000  
110.0000

# Example of Cost Changes – CM11222

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

## Calculations for New Periodic Cost:

Item	Item Cost	Market Value	Justifi
CM11222	64.4875		

Item Description: Battery - Extended Life

### Calculations

Beginning quantity: 50 (from cost load)  
Qty from Cost Derived: 50  
Ending Cost Quantity: 100

Beginning Value: 948.75 (from cost load)  
(50 X 18.975, w/MOH)  
Cost Derived Value: 5,500.00  
(50 X 110, w/MOH)  
Ending Cost Value: 6,448.75

Ending Cost Value / Ending Cost Quantity =

$6,448.75 / 100 = \underline{\underline{64.4875}}$

# Example of Cost Changes – CMo8830

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

## Cost Owned Transactions:

Material Transactions (E3)

Location	Intransit	Reason, Reference	Transaction ID	Transaction Type	Consumption Advice	
Item	Source Type	Source	Transaction Type	Transaction UOM	Transaction Quantity	Transaction
CM08830	Purchase order	1041	PO Receipt	Ea	92	28787373
CM08830	Purchase order	8	PO Receipt	Ea	3	28787293
CM08830	Purchase order	8	PO Receipt	Ea	30	28787289
CM08830	Purchase order	8	PO Receipt	Ea	13	28787285
CM08830	Purchase order	8	PO Receipt	Ea	43	20038623
CM08830	Purchase order	8	PO Receipt	Ea	30	20029927

Item Description: RAM - 256MB      Date: 17-JUL-2005 20:48:37

Primary UOM: Ea      Primary Quantity: 92

Secondary UOM:      Secondary Quantity:     

Distributions      Lgt / Serial

## PO Unit Prices plus MOH from PAC Rates

### PO Receipt Cost:

$92 \times 105.157 = 9,674.444$   
 $3 \times 34.727 = 104.181$   
 $30 \times 34.727 = 1,041.810$   
 $13 \times 34.727 = 451.451$   
 $43 \times 34.727 = 1,493.261$   
 $30 \times 34.727 = 1,041.810$   
**Cost Derived = 13,806.957**

Qty from Cost Derived: 211

$13,806.957 / 211 = 65.4358$

**Note:** PACRates01 has item-based MOH of 3.157/item.

# Example of Cost Changes – CMo8830

Menu path: Inventory Vision UK => Transactions => Material Transactions => Distributions

## Calculations for New Periodic Cost:

Item Cost Inquiry

Legal Entity

Vision Industries

Cost Type

PAC\_UK

Test Periodic Costing for UK

Cost Group

PAC\_UK

Pac Test for UK

Period

07-05

Open

Periodic Item Costs

Item	Item Cost	Market Value	Justifi
CM08830	65.43581516587677725118		

Item Description

RAM - 256MB

Calculations

Beginning quantity: 0 (from cost load)

Qty from Cost Derived: 211

Ending Cost Quantity: 211

Beginning Value: 0.000

Cost Derived Value: 13,806.957

Ending Cost Value: 13,806.957

Ending Cost Value / Ending Cost Quantity =  
  
 $13,806.957 / 211 = \underline{\underline{65.43582}}$

# APPENDIX

- Example of Cost Changes
- SQL to Update Period Phases
- Running Periodic Costing Diagnostics



# Use SQL to Set the Initial PAC Period Phases

```
/* +=====+
-- | Copyright 2016 Douglas Volz Consulting, Inc. |
-- | All rights reserved. |
-- +=====+
-- |
-- | Original Author: Douglas Volz (doug@volzconsulting.com)
-- |
-- | Program Name: XXX_UPDATE_PAC_PERIOD_PHASES.sql
-- |
-- | Parameters:
-- | P_PAC_COST_TYPE -- The name of the Periodic Cost Type to insert into. You can
-- | find this in CST_LE_COST_TYPES and CST_COST_TYPES.
-- | P_PAC_PERIOD_NAME -- The first periodic costing period name for your inventory organization
-- | P_ORG_CODE -- The desired inventory organization code where you want
-- | to set up Periodic Costs
-- |
-- | Description:
-- | Update statement to reset the Periodic Process Phases to its post completion state
-- | after running the Periodic Acquisition Cost Processor and the Periodic Cost Processor.
-- | This SQL script assumes that PAC is not being used for accounting distributions.
-- | This SQL script only runs for open PAC periods, as you cannot import into closed
-- | PAC periods.
-- |
-- | Version Modified on Modified by Description
-- | =====
-- | 1.0 7 Jul 2016 Douglas Volz Initial Coding to set the PAC Period Phases
-- | 1.1 15 Jul 2016 Douglas Volz Added checks for open periods and also
-- | added checks against running it twice in a row.
-- +=====+*/
```

# Use SQL to Set the Initial PAC Period Phases

```

UPDATE      CST_PAC_PROCESS_PHASES cppp
-- Process phase 6,7,8 is for PAC accounting distributions
-- Should have a process status of 0 (not applicable)
-- Process phase 1,2,3,4 and 5 should be set to 4 (completed).
SET         cppp.process_status =
            decode(cppp.process_phase,
                    1,4,
                    2,4,
                    3,4,
                    4,4,
                    5,4,
                    6,0,
                    7,0,
                    8,0,
                    0),
            cppp.process_date          = sysdate,
            cppp.request_id             = -1,
            cppp.program_application_id = -1,
            cppp.program_id             = -1,
            cppp.program_update_date    = sysdate,
            cppp.last_update_login      = -1,
            cppp.process_upto_date      = '&MONTH_END_DATE'          -- 30-JUN-2005
WHERE        (cppp.pac_period_id, cppp.cost_group_id) IN
            (SELECT      cpp.PAC_PERIOD_ID, ccg.COST_GROUP_ID
              FROM        apps.CST_PAC_PERIODS  cpp,
                         apps.CST_COST_GROUPS  ccg,
                         apps.CST_COST_TYPES   cct,
                         apps.CST_COST_GROUP_ASSIGNMENTS ccga,
                         apps.mtl_parameters  mp
              WHERE       cpp.cost_type_id     = cct.cost_type_id
                         ccg.cost_group_id    = ccga.cost_group_id
                         cpp.period_name      = '&PAC_PERIOD_NAME'    -- 06-05
                         cct.cost_type       = '&PAC_COST_TYPE'      -- PAC_UK
                         mp.organization_code = '&ORG_CODE'          -- E3
                         ccg.legal_entity IS NOT NULL
                         ccga.organization_id = mp.organization_id)

-- Revision for version 1.1
-- Only UPDATE open PAC periods
AND          EXISTS (
              SELECT      'x'
              FROM        apps.CST_PAC_PERIODS  cpp
              WHERE       cpp.pac_period_id = cppp.pac_period_id
              AND         cpp.open_flag       = 'Y')

-- Prevent accidentally running this twice
AND cppp.process_status <>
            decode(cppp.process_phase,
                    1,4,
                    2,4,
                    3,4,
                    4,4,
                    5,4,
                    6,0,
                    7,0,
                    8,0,
                    0)
;

```



# APPENDIX

- Example of Cost Changes
- SQL to Update Period Phases
- Running Periodic Costing Diagnostics

# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Select Application

- As an optional step, run this to review your PAC setup:

The screenshot shows the Oracle Diagnostics web interface. At the top, there's a header with 'ORACLE Diagnostics' and navigation links 'Home', 'Logout', and 'Help'. Below this is a tabbed interface with 'Diagnose', 'View Reports', and 'Configure'. The 'Diagnose' tab is active, showing 'Tests' and 'Test Set' sub-tabs. A 'Logged In As MFG' status is visible. The main section is titled 'Diagnostic Tests'. Below this, there's a toolbar with buttons: 'Select Test:', 'Execute', 'Add to batch', 'Schedule', and 'Select Application'. A callout box with an orange border points to the 'Select Application' button, containing the text 'Click on: Select Application'. Below the toolbar are links: 'Select All', 'Select None', 'Expand All', and 'Collapse All'. The main content is a table with columns: 'Select', 'Focus', 'Tests', 'Description', 'Last Status', 'Last Execution Time', 'Last Failure Time', and 'Remove'. The table lists several tests: 'Application', 'Cost Management', 'System Snapshot', and 'RDA'. The 'RDA' test has a detailed description: 'This data collection test will collect file system and database information to support bug/service request resolution. This test should be used to capture a snapshot of system information whenever desired, or upon the request of support.'

# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Select Application => Cost Management

- As an optional step, run this to review your PAC setup:

Select CST for  
Cost  
Management

Search and Select: Application

Cancel Select

**Search**

To find your item, enter a word or multiple words separated by comma in the text field(wild cards allowed), select 'Application Name' or 'Application Short Name' from the drop down and click the "Go" button.

Search By Application Name Go

**Results**

Previous 10 61-70 of 284 Next 10

Select All Select None

Select	Application Short Name	Application Name
<input checked="" type="checkbox"/>	CST	Cost Management
<input type="checkbox"/>	CLR	Culinary Application
<input type="checkbox"/>	CUSTOM	Custom Development
<input type="checkbox"/>	CSC	Customer Care
<input type="checkbox"/>	BIC	Customer Intelligence (obsolete)
<input type="checkbox"/>	IMC	Customers Online
<input type="checkbox"/>	ODQ	Data Query
<input type="checkbox"/>	DT	DateTrack
<input type="checkbox"/>	MSD	Demand Planning
<input type="checkbox"/>	DEM	Demo Order Entry (AOL Class)

Previous 10 61-70 of 284 Next 10

Cancel Select

# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Oracle Cost Management => Periodic Costing Setup Data

- As an optional step, run this to review your PAC setup:

ORACLE Diagnostics

Home Logout Help

Diagnose View Reports Configure

Tests Test Set

Logged In As MFG

Diagnostic Tests

Diagnostic Tests

Select Test: Execute Add to batch Schedule Select Application

Select All Select None Expand All Collapse All

Select Focus Tests	Description	Last Status	Last Execution Time	Last Failure Time	Remove
<input type="checkbox"/> Application					
<input type="checkbox"/> Cost Management					
<input type="checkbox"/> System Snapshot					
<input type="checkbox"/> Diagnostics					
<input type="checkbox"/> Cost processing errors for Inventory and WIP Transactions	This script will retrieve diagnostic information for resolving Inventory and WIP transactions that are marked as error during Cost processing. Inventory transactions in error would have costed_flag as 'E' in table mtl_material_transactions and wip transactions would have process_status =3 in table wip_cost_txn_interface	<input type="checkbox"/>			
<input type="checkbox"/> Costing Transactions	This script will retrieve transactions information for input organization and item <b>Parameters:</b> Organization Id - Required. Enter/Select Available organization. Restrict the LOV by entering part of 'Organization Code'. Item Id - Required. Enter/Select Available Item. Restrict the LOV by entering part of 'Item'. From Date:DD-MON-YYYY: - Optional. Enter From Date (DD-MON-YYYY). Default: 01-JAN-1970 To Date:DD-MON-YYYY: - Optional. Enter To Date (DD-MON-YYYY). Default: Current Date	<input type="checkbox"/>			
<input type="checkbox"/> Job/Work-Order definition and transaction details	Job/ work order definition along with relevant setup information <b>Parameters:</b> Organization Id - Required. Enter/Select Available organization. Restrict the LOV by entering part of 'Organization Code'. Wip Entity Id - Required. Enter/Select Available Wip Entity Id. Restrict the LOV by entering part of 'Wip Entity'.	<input type="checkbox"/>			
<input checked="" type="checkbox"/> Periodic Costing Setup Data	This script will retrieve diagnostic information for resolving Periodic Costing setup related issues.	<input type="checkbox"/>			

# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Oracle Cost Management => Periodic Costing Setup Data

- As an optional step, run this to check your PAC setup:

ORACLE Diagnostics

Home Logout Help

Diagnose View Reports Configure

Tests | Test Set

Logged In As MFG

Execute Test: Periodic Costing Setup Data

Cancel Submit

Request Details

\* Request Name

A name is required for this request. Enter a meaningful name or use the system-generated defaults.

Cancel Submit

Diagnose View Reports Configure Home Logout Help

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About Oracle Applications Manager 2.3.1

3) Click on Submit

# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Oracle Cost Management => Periodic Costing Setup Data

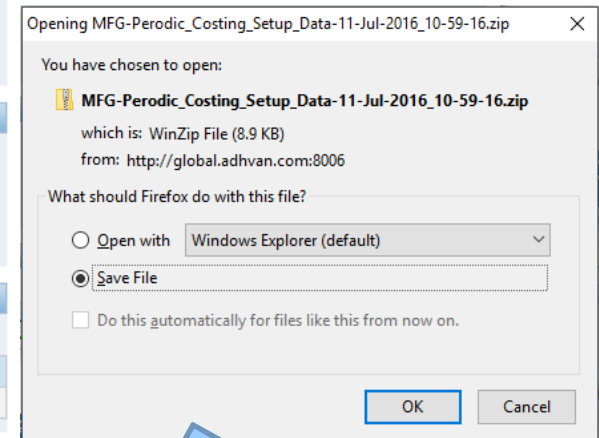
❑ As an optional step, run this to check your PAC setup:

The screenshot shows the Oracle Diagnostics web interface. At the top, there's a navigation bar with 'Diagnose', 'View Reports', and 'Configure' tabs. Below this, the 'Test Details' section shows the application group as 'Cost Management Diagnostics' and the test executable as 'oracle.apps.bom.diag.CSTPACSetup'. The 'Request Details' section shows the test was submitted on 11-Jul-2016 at 11:03:23, last refreshed at the same time, and completed in 6 seconds. The 'Execution Details' section shows the execution time as 11-Jul-2016 11:03:23, with green checkmarks in the 'View Report' and 'Download Report' columns. A blue arrow points from the 'Download Report' column to a callout box that says '4) Click on Download Report'.

Test Details
Application Group: Cost Management Diagnostics
Test Executable: oracle.apps.bom.diag.CSTPACSetup

Request Details
Submitted On: 11-Jul-2016 11:03:23
Last Refreshed On: 11-Jul-2016 11:03:29
Elapsed Time: 6 sec
Status: Completed

Execution Details		
Execution Time	View Report	Download Report
11-Jul-2016 11:03:23	✓	✓





# Run Diagnostic for Periodic Costing Setup Data

Menu path: Application Diagnostics => Diagnose => Oracle Cost Management => Periodic Costing Setup Data

## Example Output:

Execution Information

Application

CST

Group

Diagnostics

Test

oracle.apps.bom.diag.CSTPACSetup

Date

11-JUL-2016 11:03:23

Executed by

MFG

Result

Success

Time Taken

5 sec 275 millisec

Test Class version

120.0.12000000.1

Report

Periodic Accounting Setup Summary [\[Top\]](#)

• Legal entities setup for periodic costing [\(Query Used\)](#)

Legal Entity setup

legal_entity_id	legal_entity_name	sob_id	date_from	date_to
204	Vision Operations	1	1987-01-01 00:00:00	
626	Vision Industries	125	1990-01-01 00:00:00	
1036	Vision Brazil	205	1950-01-01 00:00:00	
1448	Progress Master	268	1999-07-01 00:00:00	

• Org Cost Group Definition from cst\_cost\_groups [\(Query Used\)](#)

Organization Cost Group Definition

cost_group_id	cost_group	org_id	org_code	legal_entity	cost_group_type	disable_date	creation_date
1352	Stores	1448	PUB	1471	2		2001-08-14 17:32:46
1372	Material	1448	PUB	1448	2		2001-08-14 18:16:51
1857	Sao Paulo	204	V1	1036	2		2003-02-13 14:57:46
2344	PAC_CG1	204	V1	204	2		2004-02-06 08:46:00
44505	PAC_TEST	204	V1	204	2		2016-06-17 19:02:29
44506	PAC_UK	204	V1	626	2		2016-06-27 10:16:20

# Any Questions?



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