How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

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EBS Answers
Virtual Conference

Webinar Mechanics

- Submit text questions in the chat log.
- Q&A addressed at the end of the session. Answers will be posted within two weeks on our new LinkedIn Group, EBS Answers: http://www.linkedin.com/groups/EBS-Answers-4683349/about
- Polling questions will be presented during the session. If you want CPE credit for this webinar, you must answer all of the polling questions.
- A recording of today's event will be available for 90 days for conference registrants.

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Learning Objectives

Objective 1: Learn about the month-end processes for discrete and process cost accounting.

Objective 2: Find out solutions to common challenges, both standard and custom for month-end processes.

Objective 3: Have fun!

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eprentise®: Transformation Software for E-Business Suite

Company Overview: Incorporated 2007, Helene Abrams, CEO

eprentise Can…

- Consolidate Multiple EBS Instances
- Change Underlying Structures and Configurations
  - Chart of Accounts, Other Flexfields
  - Merge or Split Ledgers or Sets of Books, Operating Units, Legal Entities, Inventory Organizations
  - Calendars, Currency, Costing Methods
  - Asset Revaluation, Inventory Valuation
- Separate Data

…So Our Customers Can:

- Reduce Operating Costs and Increase Efficiencies
  - Shared Services
  - Data Centers
- Adapt to Change
  - Align with New Business Initiatives
  - Mergers, Acquisitions, Divestitures
- Avoid a Reimplementation
- Reduce Complexity and Control Risk
- Improve Business Continuity, Service Quality and Compliance
- Streamline Operations with Visibility to All Parts of the Business
- Establish Data Quality Standards and a Single Source of Truth

Finished But Not Done®

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Solve Your Cost Accounting Challenges

Month-end close takes too long

Item costs, inventory value or margins not accurate

Can't reconcile inventory or A/P Accrual Accounts

Too many manual journal entries

Standard Oracle reports have bad formats, lack information and only report single warehouses

System journals using wrong accounts

Wrong costing method for your business

Can't eliminate profit in inventory!

Don't understand these variances!

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There Has to be an Easier Way !!

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Agenda

- Month-End Close Solutions
  - Period Close Overview
  - Inventory reconciliation
  - More4Apps Item Cost and Transaction Wizards
  - Period open/close with multiple inventory orgs
  - Profit in inventory tracking and elimination
  - Reporting solutions for Cost Accounting
  - Subledger cost accounting solutions
  - Visibility for stuck transactions
- Related Solutions and Topics
  - Changing cost methods
  - Cost rollup and update
  - Costing tips and tricks
  - Discrete costing overview
  - How manufacturing variances work
  - Transaction Flows for intercompany, receiving, shipping and OSP
  - Why is eAM costing important?

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Doug Volz

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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**

- Ch[illegible]ost methods
- I[illegible]ecc[illegible]nciliation
- [illegible]
- [illegible]om[illegible]
- [illegible]P [illegible]ccrua[illegible]s
- Fix system account setups
- Multi-org cost accounting reports
- Product Line & Margin analysis
- Cost Rollup and Update
- Cost accounting training

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Why Write this Paper?

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Business Solutions – Over 30 Presentations

— 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?

Transaction Interfaces for Period Close:

- How in the Dickens Do I Handle Those Month-End Interfaces? (And Why Can't I Close My Books?)

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Business Solutions – Over 30 Presentations

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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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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Period Close Overview

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Period Close Dependencies

Period Close Sequence

- Purchasing, closing off receipts
- Inventory and WIP
- Payables, closing off matching invoices to PO receipts
- Projects, after collecting costs from Inventory, WIP/eAM and Payables
- Receivables and COGS Recognition
- Fixed Assets, after Mass Additions from Payables and Projects
- Cash Management / Treasury
- General Ledger

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Distribution & Mfg Period Close Process

- Clear Your Interfaces and Process Your Supply Chain Transactions
  - Standard Oracle Interfaces
  - And custom interfaces for logistics or other sources
- Close Your Inventory Orgs (Inventory Accounting Period Form)
- Create Accounting and export to G/L is run next
- Ensure Create Accounting is Run After You Close A/R:
  - Run COGS recognition processes
  - Process all deferred COGS entries
  - Deferred COGS usually zero at month-end (unless have deferrals)
- Run Oracle Subledger Period Close Exceptions Report
- Normal Month-End Activities (Reporting, Journals, Allocations, etc.)

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OPM Period Close Process – Major Steps

- Clear Your Interfaces and Process Your Supply Chain Transactions
- Close Your Inventory Orgs (don't use inventory accounting period form!)
  - GMF recreate batch as needed for layered costing
  - Close the OPM Cost Calendar – GMF Period Close (Final Close No)
  - If using actuals, run the Actual Cost or Lot Cost programs
  - Run the Cost Update to move your costs into your G/L item costs
  - Execute the OPM Accounting Pre-Processor
  - Create Accounting in draft mode
  - Final Close the OPM Cost Calendar – GMF Period Close (Final Close Yes)
  - Final Cost Update (can't make item cost changes)
  - Execute the OPM Accounting Pre-Processor
- Ensure Create Accounting is Run After You Close A/R:
  - Run COGS recognition processes
  - Process all deferred COGS entries
  - Deferred COGS usually zero at month-end (unless have deferrals)
- Run Oracle Subledger Period Close Exceptions Report
- Normal Month-End Activities (Reporting, Journals, Allocations, etc.)

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EBS R12 Period Close Advisor

- *EBS R12 Period Close Advisor: Inventory & Costing (Doc ID 1359452.1)*

Period Close Advisor: E-Business Suite (EBS) (Doc ID 335.1)

1. Intro | 2. OM-Shipping | 3. CM-Treasury | 4. Payables | 5. Receivables | 6. Purchasing | 7. Inventory-Costing | 8. Projects | 9. Assets | 10. GL

Phase Overview

Step by Step Guide

- Evaluate & Prepare
- Process Inventory, Cost, and Move Transactions
- Create Accounting
- Reconcile
- Close Period

How to use this Period Close Advisor:

This Period Close Advisor provides guidance on recommended period end procedures for E-Business Release 12.x. The subledger application tabs are listed in the recommended order of closing based on the data flow dependency as shown in the diagram. Step by step best practices with tips and troubleshooting references are provided to assist you through each phase. Review the 'Using the Period Close Advisor' section under the 'Intro' tab for more details on how to use this advisor.

Inventory and Costing:

This tab describes the procedures for performing period-end processing in Oracle Inventory and Costing for Release 12. Oracle Cost Management is an application module holding Inventory/Receiving/WIP accounting entries. The period close process for Oracle Inventory enables the summarizing of costs related to inventory and manufacturing for a given accounting period. These costs are then transferred to the General Ledger for posting. Oracle Inventory and Oracle Cost Management provide the required features to affect the necessary period-end procedures to:

- Reconcile the inventory and work in process costs and values
- Transfer inventory and manufacturing costs to the General Ledger
- Transfer summary or detail accounting information to the General Ledger
- Independently open and close periods for each inventory organization
- Perform interim transfers to the General Ledger without closing the period

Multimedia Training

- E-Business Suite Period Close Advisor Overview [Video]
- E-Business Suite Diagnostics Training [Video]
- OCM & Health Check Overview for EBS Customers [Video]
- E-Business Patch Wizard Training Video
- EBS R12 Patching Best Practices & Overview [Video]

Related Resources

- E-Business Suite Community
- E-Business Suite Release 12.1 Documentation Library
- E-Business Suite Release 12.1 Information Center
- E-Business Suite Product Information Center Index

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Inventory Reconciliation

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Inventory Reconciliation Papers

- *Reconcile your Inventory to G/L Balances with Ease, From 1 to 1,000 Organizations!*
  (Collaborate14)

- *Can We Actually Reconcile Oracle Project MFG to Inv., WIP, Projects & G/L? What was I Thinking?*
  (Collaborate10)

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Example Financial Structure to Reconcile

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Sample Reconciliation Worksheet

< Company Name >
INVENTORY RECONCILIATION
< Period>

ACCT #	ACCOUNT DESCRIPTION	BEGIN G/L BALANCE	INV ACTIVITY	A/P ACTIVITY	PURCH RECEIPT	WO ACTIVITY	MANUAL JE'S	ENDING G/L BALANCE	PERPET BALANCE	DELTA
1410	Receiving Value Account	0	300,000	0	(300,000)			0	0	0
	(could be many rows here for receiving value accounts)									
1420	Inventory Value Account	30,000	620,000	0	0		100	650,100	650,000	100
	(could be many rows here for inventory value accounts)							0		0
1430	WIP Value Accts	40,000	50,000	0	0	30,000	500	120,500	120,000	500
	(could be many rows here for WIP value accounts)									
1460	Intransit Value Account	0	20,440	0	0			20,440	20,440	0
1460	Intransit Value Account	0	0	0	0			0		0
1460	Intransit Value Account	0	0	0	0			0		0
	Report Total	70,000	990,440	0	(300,000)	30,000	600	791,040	790,440	600

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Reconcile your Inventory to G/L Balances with Ease, From 1 to 1,000 Organizations!

- Detailed paper, step-by-step instructions
- Lists 15 reasons why you might not reconcile plus solutions
- Free custom SQL Inventory Reconciliation Report
- Super quick G/L to perpetual comparison
- With a feature-rich appendix with more custom report examples

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Manual Inventory Reconciliation

Automated Inventory Reconciliation

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G/L to Inventory Reconciliation Data Flow

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G/L to Inventory Reconciliation Report

Inventory Reconciliation Report Run Date: sample only							G/L Balances & Activity						Perpetual Balances			G/L Vs. Inventory
Period Name	Ledger	Co	Acct	Sub-Acct	Prod Line	Inter Co	Beg Balance	Inventory	Payables	WIP	Other	End Balance	Inv. Onhand Value	WIP Value	Total Perpetual Value	Difference
DEC-12	Vision Operations	100	1410	000	1000	1000	0.00	2,000.00	0.00	0.00	0.00	2,000.00	2,138.00	0.00	2,138.00	(138.00)
DEC-12	Vision Operations	100	1420	000	1110	1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEC-12	Vision Operations	100	1430	000	1110	1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEC-12	Vision Operations	100	1440	000	1110	1000	30,000.00	620,000.00	0.00	0.00	100.00	650,100.00	650,000.00	0.00	650,000.00	100.00
DEC-12	Vision Operations	100	1450	000	1120	1000	40,000.00	50,000.00	0.00	30,000.00	500.00	120,500.00	0.00	120,000.00	120,000.00	500.00
DEC-12	Vision UK	110	1410	000	1120	1000	0.00	0.00	0.00	0.00	0.00	0.00	1,000.00	0.00	1,000.00	(1,000.00)
DEC-12	Vision UK	110	1420	000	1170	1000	10,000.00	30,000.00	0.00	0.00	0.00	40,000.00	40,000.00	0.00	40,000.00	0.00
DEC-12	Vision UK	110	1430	000	1170	1000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DEC-12	Vision UK	110	1440	000	1172	1000	20,000.00	400,000.00	0.00	0.00	0.00	420,000.00	420,000.00	0.00	420,000.00	0.00
	Totals						100,000.00	1,102,000.00	0.00	30,000.00	600.00	1,232,600.00	1,113,138.00	120,000.00	1,233,138.00	(538.00)

This report is in use at multiple Release 11i and 12 clients.

Just ask for the sample SQL report from doug@volzconsulting.com

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Get the White Paper for the Appendix

(Reconcile your Inventory to G/L Balances with Ease, From 1 to 1,000 Orgs!)

- Original Release 10 – 11i design for integrating Oracle Inventory, WIP and Cost Management to the G/L
- Inventory and WIP Transaction Tables
- Accounting Line Types
- Sample SQL logic for Month-End Inventory Values Snapshot
- Sample SQL Code for Release 12 Material Distribution Report
- Sample SQL Code for Release 12 WIP Distribution Report
- Sample SQL Code for Release 12 Receiving Distribution Report
- Sample SQL for Finding Item Cost Out-of-Balances
- Subledger Accounting Transfer Methods

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Can We Actually Reconcile Oracle Project MFG to Inv., WIP, Projects & G/L? (What was I Thinking?)

- Plenty of things can go wrong with PJM, Inventory, WIP, Projects and G/L
- Automated solution to compare G/L with Inventory, WIP and Projects (see Appendix for more information)
- Get the white paper for the appendix:
  - Accounting Line Types
  - Sample SQL logic for finding the LOCATOR_ID
  - Sample SQL logic for finding the PROJECT_ID
  - Sample SQL logic for finding the SUBINVENTORY_CODE
  - Sample SQL Code for Release 12 Material Distribution Report
  - Sample SQL Code for Release 12 WIP Distribution Report
  - Subledger Accounting Transfer Methods

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

More4Apps

- Item Cost Wizards
- Transaction Wizards

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More4Apps Background

- Why Use More4Apps Item Cost Wizard?
  - Discrete Item Cost form is not efficient

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More4Apps Background

- Why Use More4Apps Item Cost Wizard?
  - Discrete Item Cost form is not efficient

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More4Apps Process Flow - Discrete

- Download ➡ Edit ➡ Upload ➡ Import ➡ Cost Update

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Download Via Spreadsheet or Form

- Start by downloading your item costs

Download via form or use information already on your spreadsheet

[Rata Demo VIS9 12.1.3] Download Costing Information

Download From: Current Item Cost
Aggregate By Sub Element
Organization: M1
Multiple Orgs
Cost Type: Pending
Uncosted Items Only
User Defined
Roll Up
Item
To
Item Status
Category Set: Inv.Items
Category From
To
Cost Element Source Types
Cost Element
User Defined
Rolled Up
Purchase Order Options
Include Last PO Price
Purchase Order
Include Items Only on this PO
Invoice Order Options
Include Last Invoice Price (Last 12 months)
Download
Cancel

You can download from multiple Orgs, edit and make your changes and then upload to multiple Orgs!

Last PO Price

Last Invoice Price

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More4Apps Process Flow - OPM

- Download ➡ Edit ➡ Upload ➡ Cost Update

UPLOAD RESULTS					Cost Information				Item		Cost Elements					
Upload Result	Upload Cost Result	Upload Cost Element Result	Item Cost Interface ID	Upload Error	Inventory Org Code	Cost Type	Calendar Code	Period	Item	Item Description	Upload Cost Element Error	Cost Level	Usage Type	Component Class Code	Cost Analysis Code	Rate Or Amount
Default Values																
Accepted		*Accepted*	*21338*		*PR1*	STND	05S1	1	3005	Case of 20, Liquid Antibacter		This Level	Resource	1-EQUIP	VAL	0.035
		Accepted	*21339*									This Level	Resource	1-LBRDIR	VAL	0.45
		Accepted	*21340*									This Level	Resource	1-LBRQC	VAL	0.65

Step 3:
Upload Costs via API

Step 1:
Download Costs to Worksheet

Step 2:
Make your changes in the spreadsheet

Oracle Item Cost Tables

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More4Apps Solutions

- More4Apps has over 35 Business Solutions & Wizards:

Projects	Human Resources	Order to Cash	Procure to Pay	Manufacturing & Inventory	Assets & Others
Projects	Employees	Customers	Suppliers	Items	Assets
Budgets	Special Info	AR Invoices	AP Invoices	Item Extensions	Application Interface Wizard
Transactions	Elements	AR Receipts	PO Receipts	Item Costs	**Download Wizard*
Events		Sales Orders	Requisitions	Bills of Material	**GL Journal Wizard*
Agreements & Funding		Sales Quotes	Purchase Orders	Routings	Excel Out
Labor Cost Rates		Price Lists	Price Lists	Material Transactions	
		Pricing Modifiers	Pricing Modifiers	More4Apps Mobile	
			Payables Automation		

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Poll Question

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Period open/close with multiple inventory organizations

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Multiple Inventory Periods

- Standard Features for Managing Multiple Inventory Periods:
  - R12 Open Period Control program
  - R12 Close Period Control program
  - Set up a period open/close organization hierarchy
  - Multi-organization period status reporting
  - Subledger Period Close Exceptions Report

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Multiple Inventory Periods (Cont'd)

Menu path: Cost Management – SLA => View Requests => Open Period Control Program

- Opening Multiple Inventory Periods:
  - Open Period Control program

Enter the number of accounting periods to open, normally you enter the value 1.

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Multiple Inventory Periods (Cont'd)

Menu path: Cost Management – SLA => View Requests => Close Period Control Program

- Closing Multiple Inventory Periods:
  - Close Period Control program

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Organization Hierarchies

Menu path: Inventory => Setup => Organizations => Hierarchy

- Grouping Mechanism for Programs and Reports

Organization Hierarchy

Name: Vision Open/Close Hierarchy
Primary [ ]
Position Control

Version
Number: 1
Date From: 01-JAN-1995
Date To:
Copy Hierarchy...
Top Node Position Control Enabled

Organization
Name: Seattle Manufacturing
Exists in Hierarchy
Number of Subordinates: 3
Up

Subordinates

Name	Number of Subordinates	Position Control Enabled	Down
Boston Manufacturing	0		
Seattle Distribution Center	0		
Minneapolis Manufacturing	0		

If you did not close or open an organization, it may be because it is missing from the organization hierarchy

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Are Your Orgs Are Open or Closed?

- Custom Period Status Report – for Discrete & Process
  - Report Options:
    - Periods Not Opened
    - Show All Open Periods
    - Show All Closed Periods
    - Show All Period Statuses
  - Can Also Run for A/R, A/P, Projects & Purchasing across all OUs

Open / Close Period Status Report			**Parameters:**	Period Name: Feb-10			Functional Area: All		
Run date: 08-Mar-2010 15:30				Ledger: %			Report Option: All Period Statuses		
Functional Area	**Period Name**	**Ledger**	**Operating Unit**	**Org Code**	**Organization Name**	**Inventory Period Status**	**Summarized Flag**	**OPM Period Status**	**Hierarchy Name**
Inventory	Feb-10	OPM US	PRU-Vision Process Ir	PR1	PR1	Open	No	Open	Vision Open/Close Hierarchy
Inventory	Feb-10	OPM US	PRU-Vision Process Ir	PR2	PR2	Open	No	Open	Vision Open/Close Hierarchy
Inventory	Feb-10	Vision Operations	Vision Operations	M1	Seattle Manufacturing	Closed	Yes		Vision Open/Close Hierarchy
Inventory	Feb-10	Vision Operations	Vision Operations	M2	Boston Manufacturing	Open	No		Vision Open/Close Hierarchy
Payables	Feb-10	Vision Operations	Vision Operations	N/A	N/A	Open			N/A
Projects	Feb-10	Vision Operations	Vision Operations	N/A	N/A	Open			N/A
Purchasing	Feb-10	Vision Operations	Vision Operations	N/A	N/A	Closed			N/A
Receivables	Feb-10	Vision Operations	Vision Operations	N/A	N/A	Open			N/A

Get the White Paper for this Period Status SQL Report

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Oracle Subledger Period Close Exceptions Report

Menu path: Cost Management – SLA => View Requests => Subledger Period Close Exceptions Report

Run this report by Ledger or Ledger Set to see if Create Accounting should be run

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Oracle Subledger Period Close Exceptions Report

Menu path: Cost Management – SLA => View Requests => Subledger Period Close Exceptions Report

ORACLE Subledger Accounting

Subledger Period Close Exception Report

Period From Jan-13 Period To Feb-13

Report Date 17-Feb-13
Page 2 of 3

Report Summary

Ledger Name	Period	Journal Source	Exception	
			Status	Count
Vision Operations (USA)	Feb-13	Cost Management	Unprocessed	14

Subledger Period Close Exception

Ledger Name **Vision Operations (USA)** Ledger Currency **USD**

Period **Feb-13**

Journal Source **Cost Management**

Journal Category	WIP		Event Class	WIP Variance		
Event Date	**Event Type**	**Transaction Number**	**Status**	**Transaction Date**	**Organization Code**	**Assembly**
Feb 17, 2013	Job Close Variance	31091332	Unprocessed	17-FEB-13	M1	XA1000

Journal Category	Inventory		Event Class	WIP Material		
Event Date	**Event Type**	**Transaction Number**	**Status**	**Transaction Date**	**Organization Code**	**Item**
Feb 17, 2013	WIP Assembly Return	23611029	Unprocessed	17-FEB-13	M1	XA1000
Feb 17, 2013	WIP Component Return	23611030	Unprocessed	17-FEB-13	M1	XC1000
Feb 17, 2013	WIP Component Return	23611031	Unprocessed	17-FEB-13	M1	XC1002
Feb 17, 2013	WIP Component Return	23611032	Unprocessed	17-FEB-13	M1	XC1003
Feb 17, 2013	WIP Component	23611033	Unprocessed	17-FEB-13	M1	XC1004

This report finds those entries not processed by Create Accounting

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Profit in Inventory

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Profit in Inventory

- Does Rel. 12 Solve Global Inter-Company Issues for Multiple Ledgers, Profit in Inventory and COGS?
  (Collaborate10)

- Two commonly used terms for profit in inventory
  - ICP – Intercompany Profit
  - PII – Profit in Inventory

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Sample Background – Supply Chain

Inter-Org Shipping and Billing

Logical Shipping Transactions

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Profit in Inventory Solutions

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Underlying ICP/PII Elimination Principles

- Inventory Value Reports

This Month's ICP Inventory Value Reports – Last Month's ICP Inventory Value Reports = Monthly Change in ICP/PII Value

- Transaction Reports

Monthly Transaction Quantities X ICP Item Cost = Monthly Change in ICP/PII Value

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Profit in Inventory – Sample Inventory Report (sample data only)

ICP Item Costs Based on Sourcing Rules

Item Number	Src Org	Assignmt Set	Src Curr Code	Src Item Cost	Curr Conv Rate	Conv Src Item Cost	To Org	To Curr Code	To Org Item Cost	Calc. ICP To Org	ICP Percent	PROD ICP Item Cost
900990	200	Main	EUR	2.31492	1.29594	3.00000	203	EUR	4.00000	(1.00000)	(25.0)	(1.00000)
100200	203	Main	EUR	10.00000	1.29594	12.95940	101	USD	15.00000	(2.04060)	(13.6)	(2.04060)
100300	204	Main	EUR	7.00000	1.29594	9.07158	305	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	309	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	316	USD	25.00000	(15.92842)	(63.7)	(15.92842)

Notes: 1 EUR of the ICP for item 100300 comes from Organization 200,
In Organization 203, in WIP, the component 900990 is used to make 100300.

Onhand Inventory ICP Value Report

Month-End Snapshot (quantities) are from October 2009

Period Name	Org Code	Co	Acct	Prod Grp	Item Number	Curr	Gross Item Cost	ICP Item Cost	Net Item Cost	UOM	Qty	Inv. Onhand Value	Total ICP Onhand Value	Total Net Onhand Value
2009-10	203	1012	1301	1110	100300	EUR	10.00000	(1.00000)	9.00000	EA	2,450	24,500.00	(2,450.00)	22,050.00
2009-10	305	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	483	12,075.00	(7,693.43)	4,381.57
2009-10	309	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	649	16,225.00	(10,337.54)	5,887.46
2009-10	316	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	1,445	36,125.00	(23,016.57)	13,108.43
2009-10	316	1048	1350	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	4	100.00	(63.71)	36.29

Note: FG Product 2, 100300, has 1.29595 USD (1 EUR) ICP from organization 200 and the balance from organization 203

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Presentation & White Paper From:

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

- Appendix
  - Accounting Line Types
  - Technical Overview for Material and WIP Transaction Tables
  - Sample SQL Code for Release 12 Material Distribution Report
  - Sample SQL Code for Release 12 WIP Distribution Report
  - Sample SQL Code for the Onhand Inventory ICP Value Report
    (also a great month-end inventory value report for onhand and intransit!)

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Reporting Solutions for Cost Accounting
- Discrete and OPM Integration for Cost Accounting and Reporting

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Common Complaints – Cost Reporting is a Mess

– Can't Use Standard Oracle Cost Accounting Reports

– Difficult to Integrate Discrete and Process Costing

- Why Have Both Discrete & Process?
  - Discrete better for distribution … OPM does not have material overheads
  - OPM better for process related industries
  - Many clients have both discrete and process requirements

- Want Global, Common Cost Accounting Reporting
  - For item costs, transactions and inventory values
  - When to use OBIEE vs. BI Publisher

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Common Complaints – Cost Reporting is a Mess

– Can't Use Standard Oracle Cost Accounting Reports

– Difficult to Integrate Discrete and Process Costing

- Common Complaints
  - Reports do not format well into Excel (even for R12!)
  - SLA reports don't have enough details
  - Not enough summary reporting
  - Discrete Costing R12 – no SLA info on transaction inquiries
  - Process Costing R12 – too few reports
  - Can't run your business using standard reports

- Solutions:
  - Get the presentation on: We Can Create Combined Oracle Cost Accounting Reports for Both Discrete and Process Manufacturing!
  - Get the white papers for SQL report examples
  - See the Appendix section for a complete list of reports

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What Type of Reports Are Needed?

Reconciliation Reports

- G/L to Inventory Reconciliation
- A/P Accrual Reconciliation Reports
- Global Inventory Value Reports

Weekly / Monthly Txn Listings

- Transaction Acctg Summaries
- Account Alias Reports
- Transaction Accounting by Lot

Other Reporting & Analysis

- Global Setup Configure Reports
- Open Internal Orders Reports
- Period Open / Close Status

Investigative Reports

- Item Cost Comparison Reports
- IPV, PPV, WIP Variance Reports
- Margin Analysis Reports

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Get the White Paper Appendix from Discrete and OPM Integration for Cost Accounting and Reporting

- Leading Practices for Process Costing
- Sample Multi-Org Inventory Value Reporting
- Sample Multi-Org Account Distribution Reports
- Inventory and WIP (Discrete) Transaction Tables
- Process Accounting Class Codes (for Pre-Create Accounting Reporting)
- Discrete Accounting Line Types
- Accounting Periods Integrated with Cost Calendars (sample code)
- Sample SQL Code for Process Item Costs
- GMF Transactions View – And Sample Process SQL Examples
- Sample SQL Code for Discrete Month-End Cost Snapshot (Inventory Values)
- Sample SQL Code for Release 12 Discrete Material Distribution Reports
- Sample SQL Code for Release 12 Discrete WIP Distribution Reports
- Sample SQL Code for Release 12 Discrete Receiving Distribution Reports

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Subledger Cost Accounting Solutions

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Subledger Cost Accounting Papers

- Cost Accounting As You Want It — EBS R12 Cost Accounting with SLA (Collaborate 2009)
- Simplify Enterprise Asset Management Product Line Accounting Using E-Business Suite Release 12 Subledger Accounting (Collaborate 2009 / Robert Flick)
- Subledger Accounting for Discrete & EAM Cost Accounting: Product Line and Expense Accounting Made Easy Through SLA (Collaborate 2013)
- How to Create Shipping Burdens for Oracle Cost Management, in Spite of Subledger Accounting (Collaborate 2014)

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Subledger Accounting Papers (Cont'd)

- Product Line Accounting:
  - Mapping table example (*Cost Accounting As You Want It*)
  - Category accounts example (*Cost Accounting As You Want It*)
  - **Preferred solution**
    - Custom sources using item master COGS accounts
    (*Subledger Accounting for Discrete & EAM Cost Accounting*)

- eAM Subledger Accounting (SLA) Tips:
  - Single org with many company account numbers
  - PO expense accounts by category to drive expense
  - Both papers give extensive code samples
    (*Subledger Accounting for Discrete & EAM Cost Accounting* and *Simplify Enterprise Asset Management Product Line Accounting*)

- How to Create Additional Material Accounting Entries
  (*How to Create Shipping Burdens for Oracle Cost Management*)

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Get the White Paper Appendix from Subledger Accounting for Discrete & EAM Cost Accounting

- Discrete Cost Management Subledger Accounting Event Class, Journal Line Type and Event Type Model
- PL/SQL Code for Custom Product Line Sources
  - Material Transactions
  - WIP Transactions
  - Receiving Transactions
- PL/SQL Code for Custom EAM & Expense Account Sources
  - Material Transactions
  - WIP Material Transactions
  - WIP OSP Deliveries

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Poll Question

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Visibility for stuck transactions

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How in the Dickens Do I Handle Those Month-End Interfaces? (And Why Can't I Close My Books?)

- Easily report your transaction errors – 13 report sections:
  - Accounts Payable Interface Error Reports
  - Accounts Receivable Interface Error Reports
  - Cash Management Interface Error Reports
  - General Ledger Interface Error Reports
  - Inventory Interface Error Reports
  - Inventory Cost Error Reports
  - Manufacturing Interface Error Reports
  - Manufacturing Cost Interface Error Reports
  - Project Transaction Interface Error Reports
  - Purchasing and Requisition Interface Error Reports
  - Receiving Interface Error Reports
  - Supply Chain Planning Interface Error Reports
  - Shipping Interface Error Reports

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How in the Dickens Do I Handle Those Month-End Interfaces? (And Why Can't I Close My Books?)

- The Presentation and White Paper:
  - Describes the interface error reports
  - Which the supply chain transactions can stop your period close
  - Gives detailed report installation instructions

- Caveats:
  - Fixed length "old school" reporting
  - Need to tailor for your column lengths for your data

The Interface Error report is in use at multiple Rel. 11i and 12 clients.

State which Release you are using and ask for the sample SQL report from doug@volzconsulting.com

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Related Solutions and Topics

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Related Solutions and Presentation Topics – http://www.volzconsulting.com/resources.html

- Who Said Changing Cost Methods With Discrete Costing Can't be Done? (Collaborate16)

- Cost Rollup and Update
  - Supply Chain Oracle Cost Rollup, What Works, What Doesn't?
  - Cost Update Challenges for Oracle

- Costing Tips and Tricks (Make Cost Management Work for You!)
  - Currency setup
  - Period open and close by organization hierarchy
  - Material overhead absorption rules
  - Transaction Value Historical Summary Report
  - Sharing costs (when using Standard Costing)
  - Data verification audits
  - Period close snapshots (Release 11.5.10 and 12.x)

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Costing Tips and Tricks (Cont'd) – http://www.volzconsulting.com/resources.html

- Make Cost Management Work for You!
  - Simple reporting extensions that add significant value:
    - Summarize G/L account activity by journal source and category
    - Check inventory period close status by operating unit
    - Margin reporting extensions
  - Multiple inventory organization reporting for:
    - Inventory value
    - Material accounting entries
    - Purchase price variance reporting – for standard costing
    - Invoice price variance reporting – for all costing methods
    - Finding high-value material transaction entries with ease

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Costing Tips and Tricks (Cont'd) – http://www.volzconsulting.com/resources.html

- Oracle Cost Management Features and Workarounds
  - Cost cut-off date
  - Cost type setup
  - Currency formatting / extended decimal precision
  - Custom mass edits
  - Data verification audits
  - Defaults for job close and standard cost update
  - Item cost mass load tools
  - Printing for standard text reports
  - Quantity decimal formatting on cost reports
  - Material overhead defaults
  - Material overhead absorption rules
  - Transaction Value Historical Summary Report

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Related Solutions and Topics – http://www.volzconsulting.com/resources.html

- Transaction and Variance Papers
  - 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

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Summary

- Use these 30+ papers to streamline your period close
- And for more reporting and cost training solutions, see the Appendix section for this presentation
- The best way to reach me is by using doug@volzconsulting.com
- Lots of folks have helped me over the past 35 years … this is my way of giving back to the Oracle Community. I hope you find this information useful.

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

Appendix

- Cost Training Materials
- Profit in Inventory Sample Reports
- Reports for Cost Accounting
- Reports Layout Samples for Cost Accounting
- PJM Reconciliation Paper

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Cost Training Materials

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Cost Training Class Notes – R12

- Practical Training by Douglas Volz Consulting:

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

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Profit in Inventory Sample Reports

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Profit in Inventory - Terms

- Does Rel. 12 Solve Global Inter-Company Issues for Multiple Ledgers, Profit in Inventory and COGS?
(Collaborate10)

- Two commonly used terms for profit in inventory
  - ICP – Intercompany Profit
  - PII – Profit in Inventory

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Profit in Inventory Solutions

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Underlying ICP/PII Elimination Principles

This Month's ICP Inventory Value Reports – Last Month's ICP Inventory Value Reports = Monthly Change in ICP/PII Value

Monthly Transaction Quantities X ICP Item Cost = Monthly Change in ICP/PII Value

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Profit in Inventory – Sample Reports (sample data only)

ICP Item Costs Based on Sourcing Rules

Item Number	Src Org	Assignmt Set	Src Curr Code	Src Item Cost	Curr Conv Rate	Conv Src Item Cost	To Org	To Curr Code	To Org Item Cost	Calc. ICP To Org	ICP Percent	PROD ICP Item Cost
900990	200	Main	EUR	2.31492	1.29594	3.00000	203	EUR	4.00000	(1.00000)	(25.0)	(1.00000)
100200	203	Main	EUR	10.00000	1.29594	12.95940	101	USD	15.00000	(2.04060)	(13.6)	(2.04060)
100300	204	Main	EUR	7.00000	1.29594	9.07158	305	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	309	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	316	USD	25.00000	(15.92842)	(63.7)	(15.92842)

Notes: 1 EUR of the ICP for item 100300 comes from Organization 200,
In Organization 203, in WIP, the component 900990 is used to make 100300.

Onhand Inventory ICP Value Report

Month-End Snapshot (quantities) are from October 2009

Period Name	Org Code	Co	Acct	Prod Grp	Item Number	Curr	Gross Item Cost	ICP Item Cost	Net Item Cost	UOM	Qty	Inv. Onhand Value	Total ICP Onhand Value	Total Net Onhand Value
2009-10	203	1012	1301	1110	100300	EUR	10.00000	(1.00000)	9.00000	EA	2,450	24,500.00	(2,450.00)	22,050.00
2009-10	305	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	483	12,075.00	(7,693.43)	4,381.57
2009-10	309	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	649	16,225.00	(10,337.54)	5,887.46
2009-10	316	1048	1330	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	1,445	36,125.00	(23,016.57)	13,108.43
2009-10	316	1048	1350	1172	100300	USD	25.00000	(15.92842)	4.56319	CTN	4	100.00	(63.71)	36.29

Note: FG Product 2, 100300, has 1.29595 USD (1 EUR) ICP from organization 200 and the balance from organization 203

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Profit in Inventory – Sample Reports (sample data only)

ICP Item Costs Based on Sourcing Rules

Item Number	Src Org	Assignmt Set	Src Curr Code	Src Item Cost	Curr Conv Rate	Conv Src Item Cost	To Org	To Curr Code	To Org Item Cost	Calc. ICP To Org	ICP Percent	PROD ICP Item Cost
900990	200	Main	EUR	2.31492	1.29594	3.00000	203	EUR	4.00000	(1.00000)	(25.0)	(1.00000)
100200	203	Main	EUR	10.00000	1.29594	12.95940	101	USD	15.00000	(2.04060)	(13.6)	(2.04060)
100300	204	Main	EUR	7.00000	1.29594	9.07158	305	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	309	USD	25.00000	(15.92842)	(63.7)	(15.92842)
100300	204	Main	EUR	7.00000	1.29594	9.07158	316	USD	25.00000	(15.92842)	(63.7)	(15.92842)

Notes: 1 EUR of the ICP for item 100300 comes from Organization 200,
In Organization 203, in WIP, the component 900990 is used to make 100300.

WIP ICP Value Report

Notes: Only includes jobs with a Status of: Released, Complete, Complete - No charges, On hold, or Pending scheduled.
Only includes jobs where the FG Scheduled Qty > FG Qty Completed

Org Code	Co	Acct	Prod Grp	WIP Class	WIP Job	Status	FG Qty Completed	FG Item Number	Com-ponent Number	Curr	ICP Item Cost	Qty Per FG	Total Req Qty	Qty Issued	Est. Qty Left in WIP	ICP in WIP
203	1012	1315	1110	PROD	12345	Complete	2,304	100300	900990	EUR	(1.00000)	3	6,912	6,984	72	(72.00)
203	1012	1315	1110	PROD	12346	Complete	529	100300	900990	EUR	(1.00000)	3	1,587	1,632	45	(45.00)
203	1012	1315	1110	PROD	34567	Complete	1,070	100300	900990	EUR	(1.00000)	3	3,210	3,264	54	(54.00)
203	1012	1315	1110	PROD	49505	Released	1,639	100300	900990	EUR	(1.00000)	3	4,917	4,995	78	(78.00)

Note: Component 900990 comes from another internal organization, 200, with an ICP amount of 1 EUR per unit

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Profit in Inventory – Sample Reports (sample data only)

Monthly Transaction Quantities X ICP Item Cost = Monthly Change in ICP Value

ICP Material Transactions Report for October 2009 (Oct 1 - 31, 2009)

Org Code	Co	Acct	Prod Grp	Item Number	Transaction Name	Curr	Gross Item Cost	ICP Item Cost	UOM	Qty	Inventory Value Change	ICP Value Change	Net Inventory Change
204	1012	1330	1172	100300	Intransit Shipment	EUR	7.00000	(1.00000)	CTN	-8,224.0	(57,568.00)	8,224.00	(49,344.00)
204	1012	1330	1172	100300	WIP Completion	EUR	7.00000	(1.00000)	CTN	8,224.0	57,568.00	(8,224.00)	49,344.00
224	1012	1320	1172	100300	Intransit Receipt	EUR	7.00000	(1.00000)	CTN	-8,224.0	(57,568.00)	8,224.00	(49,344.00)
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	-120.0	(3,000.00)	1,911.41	(1,088.59)
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	8.0	200.00	(127.43)	72.57
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	3.0	75.00	(47.79)	27.21
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	10.0	250.00	(159.28)	90.72
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	20.0	500.00	(318.57)	181.43
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	15.0	375.00	(238.93)	136.07
305	1048	1330	1172	100300	Sales Order Pick	USD	25.00000	(15.92842)	CTN	120.0	3,000.00	(1,911.41)	1,088.59
305	1048	1330	1172	100300	Sales order issue	USD	25.00000	(15.92842)	CTN	-160.0	(4,000.00)	2,548.55	(1,451.45)
305	1048	1330	1172	100300	Sales order issue	USD	25.00000	(15.92842)	CTN	-15.0	(375.00)	238.93	(136.07)
305	1048	1330	1172	100300	Sales order issue	USD	25.00000	(15.92842)	CTN	-20.0	(500.00)	318.57	(181.43)

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Reports Layout Samples for Cost Accounting

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Common Complaints for Cost Reporting

– Can't Use Standard Oracle Cost Accounting Reports

- Why Not?
  - Originally designed to be run for a single warehouse
  - Does not format well into Excel (even for R12!)
  - SLA reports don't have enough details
  - Not enough summary reporting
  - Discrete Costing R12 – no SLA info on transaction inquiries
  - Process Costing R12 – too few reports
  - Drives down operational efficiency
  - Unable to eliminate PII/ICP using standard reporting

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What Type of Reports Are Needed?

Reconciliation Reports

- G/L to Inventory Reconciliation
- A/P Accrual Reconciliation Reports
- Global Inventory Value Reports

Weekly / Monthly Txn Listings

- Transaction Acctg Summaries
- Account Alias Reports
- Transaction Accounting by Lot

Other Reporting & Analysis

- Global Setup Configure Reports
- Open Internal Orders Reports
- Period Open / Close Status

Investigative Reports

- Item Cost Comparison Reports
- IPV, PPV, WIP Variance Reports
- Margin Analysis Reports

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Typical Report Categories:

Cost Accounting

- Inventory Value
- Item Costs
- Transactions and Variances
- Other Reports

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Over 50 Cost Accounting Reports!

- Reports in production at both R11i & R12 clients
- In most cases, these cost reports apply to both Discrete & OPM
- Report tailoring is expected, such as for COA
- All global reports, saves lots of time!

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Global Inventory Value Reports

No.	Folder	Report Title
1	Inv Value	As of Onhand Lot Value Report
2	Inv Value	G/L to Inventory Reconciliation Report
3	Inv Value	ICP/PII Inventory & Intransit Value Report
4	Inv Value	ICP/PII Inventory Value Change Report
5	Inv Value	ICP/PII WIP Component Value & Variance Relief Report
6	Inv Value	Intransit Value Report
7	Inv Value	Inventory Out-of-Balance Report
8	Inv Value	Receiving Value Report
9	Inv Value	WIP Account Value Report

Sample SQL included in White Papers

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Global Item Cost Reports

No.	Folder	Report Title
10	Item Costs	Calculate ICP/PII Item Costs Report
11	Item Costs	Item Cost Rollup Errors
	11.1	Item Cost Rollup Errors, Rollup Yes, no BOMs
	11.2	Item Cost Rollup Errors, Rollup No, With BOMs
	11.3	Item Cost Rollup Errors, Rollup Yes, No Cost Rollup
	11.4	Item Cost Rollup Errors, Having User-Defined Costs for Make Items
	11.5	Detailed Cost Rollup Errors. Having Both Rolled Up and User-Defined Costs
12	Item Costs	ICP/PII Vs. Item Costs Report
13	Item Costs	Item Costs & Routing Report
14	Item Costs	Item Costs Report
15	Item Costs	PO Price Vs. Std Cost Report
16	Item Costs	Resource Costs Report
17	Item Costs	SO List Price Vs. Cost Comparison Report
18	Item Costs	SO Price List Report
19	Item Costs	Sourcing Rule Report
20	Item Costs	Zero Item Costs Report

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Global Period Status & Setup Reports

No.	Folder	Report Title
21	Other	Inventory / Receiving Accounts Setup Report
22	Other	Inventory Organization Summary Report
23	Other	Item Master Accounts Report
24	Other	Material Account Alias Setup Report
25	Other	Material Overhead Subelements Setup Report
26	Other	Open Internal ISO/IRO Report
27	Other	Period Open / Close Status Report
28	Other	Shipping Network Accounts Setup Report
29	Other	Subinventory Accounts Setup Report
30	Other	WIP Accounts Setup Report

Sample SQL included in **this** White Paper

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Global Transaction & Variance Reports

No.	Folder	Report Title
37	Txns	ICP/PII Manufacturing Variances Summary Report
38	Txns	ICP/PII Material Transactions Offset Report
39	Txns	ICP/PII Margin Analysis Summary Report
40	Txns	Intercompany Out-of-Balance Report
41	Txns	Interface Errors Report
42	Txns	Invoice Price History Report
43	Txns	Material Account Alias Report
44	Txns	Material Account Lot Number Report
45	Txns	Material Account Summary Report
46	Txns	Material Overhead Absorption Report
47	Txns	Missing Cost Management Trxns
48	Txns	Receiving Account Summary Report
49	Txns	Standard Cost Adjustment History Report
50	Txns	Standard Cost Pending Adjustment Report
51	Txns	WIP Account Summary Report
52	Txns	WIP Resource Efficiency Report

Sample SQL included in White Papers

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- Layout Samples for Cost Accounting Reports

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Layout Samples for Multi-Org Reports

- Custom Multi-Org Valuation Reports
  - ICP/PII Inventory & Intransit Value Report
  - ICP/PII Inventory Value Change Report
  - Receiving Value Report
  - Inventory Out-of-Balance Report
  - Onhand Lot Value Status Report

- Custom Account Distribution Reports
  - Material Account Summary Report
  - Receiving Account Summary Report
  - WIP Account Summary Report

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Sample Multi-Org Reports

Multi-Org Inventory Value Reporting

- Custom *ICP/PII Inventory & Intransit Value Report*

ICP Inventory & Intransit Month-End Value Report **Parameters:** Period Name: Jan-13
Run Date: 17-Feb-2013 18:06 Ledger: %

Ledger	Operating Unit	Org Code	Period Name	Co	Cost Ctr	Acct	Sub-Acct	Prod	Item Number	Item Description	Curr Code	Gross Item Cost	ICP Item Cost	Net Item Cost	Subinv or Intransit	UOM Code	Onhand Quantity	Onhand Value	ICP Onhand Value	Net Onhand Value
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS10001	Passport Backup D	USD	86.2500	0.0000	86.2500	Engineer	Ea	4.0	345.00	0.00	345.00
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS18947	Sentinel Deluxe De	USD	1,378.9621	0.0000	1,378.9621	Staging1	Ea	55.0	75,842.92	0.00	75,842.92
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS54888	Sentinel Standard I	USD	1,344.3144	0.0000	1,344.3144	Engineer	Ea	0.0	0.00	0.00	0.00
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS54888	Sentinel Standard I	USD	1,344.3144	0.0000	1,344.3144	FldSvc	Ea	100.0	134,431.44	0.00	134,431.44
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS54888	Sentinel Standard I	USD	1,344.3144	0.0000	1,344.3144	Staging1	Ea	137.0	184,171.07	0.00	184,171.07
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS55888	Sentinel Standard I	USD	1,519.5144	0.0000	1,519.5144	Staging1	Ea	2.0	3,039.03	0.00	3,039.03
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS66629	Envoy Ruggedized L	USD	1,568.7086	0.0000	1,568.7086	Depot	Ea	1.0	1,568.71	0.00	1,568.71
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS72111	Envoy Deluxe Laptc	USD	962.2624	0.0000	962.2624	Staging1	Ea	110.0	105,848.86	0.00	105,848.86
Vision Operations (USA	Vision Operati	M1	Jan-13	01	000	1410	0000	000	AS92689	Envoy Standard Lar	USD	1,458.4204	0.0000	1,458.4204	FldSvc	Ea	100.0	145,842.04	0.00	145,842.04

Use this report for the month-end perpetual values and to reconcile overall ICP/PII movement at month-end

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Sample Multi-Org Reports

See Your Change in ICP/PII Inventory Value

- Custom *ICP/PII Inventory Value Change Report*

ICP Inventory Value Change Report **Parameters:** Ledger: %

Run Date: 17-Feb-2013 13:57 Prior Month Period Name: Dec-12

Ledger	Operating Unit	Org Code	Period Name	Co	Dept	Acct	Sub-Acct	Prod	Item Number	Item Description	Curr Code	Gross Item Cost
Vision Oper	Vision Opera	M1	Dec-12	01	000	1410	0000	000	AS10001	Passport Backup Dri	USD	86.2500
Vision Oper	Vision Opera	M1	Dec-12	01	000	1410	0000	000	AS18947	Sentinel Deluxe Desk	USD	1,378.9621
Vision Oper	Vision Opera	M1	Dec-12	01	000	1410	0000	000	AS54888	Sentinel Standard De	USD	1,344.3144
Vision Oper	Vision Opera	M1	Dec-12	01	000	1410	0000	000	AS54888	Sentinel Standard De	USD	1,344.3144
Vision Oper	Vision Opera	M1	Dec-12	01	000	1410	0000	000	AS54888	Sentinel Standard De	USD	1,344.3144

New Month ICP Cost Type: ICP

Prior Month ICP Cost Type: ICP-Dec-12

New ICP Item Cost	Old ICP Item Cost	ICP Item Cost Diff	Subinv or Intransit	UOM Code	Onhand Quantity	Onhand Value	New ICP Onhand Value	Old ICP Onhand Value	ICP Onhand Value Diff	New Net Onhand Value	Old Net Onhand Value
0.0000	0.0000	0.0000	Engineer	Ea	4.0	345.00	0.00	0.00	0.00	345.00	345.00
0.0000	0.0000	0.0000	Staging1	Ea	55.0	75,842.92	0.00	0.00	0.00	75,842.92	75,842.92
0.0000	0.0000	0.0000	Engineer	Ea	0.0	0.00	0.00	0.00	0.00	0.00	0.00
0.0000	0.0000	0.0000	FldSvc	Ea	100.0	134,431.44	0.00	0.00	0.00	134,431.44	134,431.44
0.0000	0.0000	0.0000	Staging1	Ea	137.0	184,171.07	0.00	0.00	0.00	184,171.07	184,171.07

Use this report to reconcile overall ICP/PII movement at month-end

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Sample Multi-Org Reports

See Receiving Value with More Information

- Custom *Receiving Value Report*

Receiving Value Report **Parameters:** Period Name: Dec-10
Run date: 31-Dec-2010 02:57 Ledger: %

Ledger	Operating Unit	Org	Organization Name	Co	Dept	Acct	Sub-Acct	Prod Grp	Item Number	Item Description	Item Status	Item Type	MB Code	PROD
Vision Ope	Vision Operations	M1	Seattle Manufacturing	01	000	1410	0000	000	CM33798	Sentinal Upgrade Ma	Active	Purchased item	Buy	COMPONENT
Vision Ope	Vision Operations	M1	Seattle Manufacturing	01	000	1410	0000	000	CM33798	Sentinal Upgrade Ma	Active	Purchased item	Buy	COMPONENT

PO Number	Line Num	Shipment Num	WIP Job	Curr Code	Item Cost	Inventory Type	Subinv or Intransit	UOM Code	Onhand Quantity	Material Value	Matl Ovhd Value	Resource Value	OSP Value	Overhead Value	Onhand Value
6018	1	1		USD	10.0000	Receiving	None	Ea	100.0	1,000.00	0.00	0.00	0.00	0.00	1,000.00
6019	1	1		USD	10.0000	Receiving	None	Ea	100.0	1,000.00	0.00	0.00	0.00	0.00	1,000.00

Shows OSP and Inventory in Receiving

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Sample Multi-Org Reports

- Custom Inventory Out-Of-Balance Report
  - Used to find differences between your cumulative accounting entries and your perpetual balances

Inventory Out-of-Balance Report **Parameters:** Ledger % Period Name: Dec-10

Run Date: 02-Nov-2010 13:01 Min. Value Diff: 0

Ledger	Operating Unit	Org Code	Period Name	Co	Dept	Acct	Sub-Acct	Prod Grp	Item Number	Item Description	Subinv. or Intransit	UOM Code	Quantity	Onhand Value	Accounted Value	Difference
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	75100003	B/W Cartidge	Staging1	Ea	0.0	0.00	0.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	75100003	B/W Cartidge	Depot	Ea	0.0	0.00	0.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS10000	405 Digital Camera	FGI	Ea	20.0	3,820.00	3,820.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS10001	Passport Backup Drive	Engineer	Ea	4.0	345.00	345.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS18947	Sentinel Deluxe Desktop	FS_Truck5	Ea	0.0	0.00	0.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS18947	Sentinel Deluxe Desktop	FGI	Ea	608.0	838,408.98	838,408.98	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS18947	Sentinel Deluxe Desktop	Depot	Ea	0.0	0.00	0.00	0.00
Vision Operations (USA)	Vision Operations	M1	Dec-10	01	000	1410	0000	000	AS18947	Sentinel Deluxe Desktop	Staging1	Ea	55.0	75,842.92	75,842.92	0.00

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Sample Multi-Org Reports
Onhand Inventory Value by Lot Number

- Custom *On-hand Lot Value Report*

As Of Onhand Lot Value Status Report				**Parameters:**			Cost Type:		Frozen	Ledger:	%				
Run Date: 2-Nov-2012 19:44 PM							As Of Date: 31-Dec-2010			Specific Org:	%				
Ledger	**Operating Unit**	**Org Code**	**Organization Name**	**Co**	**Dept**	**Acct**	**Sub-Acct**	**Prod Grp**	**Item Number**	**Item Description**	**Item Status**	**Item Type**	**MB Code**	**Family**	**Product**
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS10000	405 Digital Camera	Active	Finished good	Make	CAMERA	DIGITAL
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS10001	Passport Backup D	Engineer	Finished good	Make	PERIPHERA	STORAGE
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS18947	Sentinel Deluxe Des	Active	Finished good	Make	COMPUTER	DESKTOP
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS18947	Sentinel Deluxe Des	Active	Finished good	Make	COMPUTER	DESKTOP
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS18947	Sentinel Deluxe Des	Active	Finished good	Make	COMPUTER	DESKTOP
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS20000	205 Digital Camera	Active	Finished good	Make	CAMERA	DIGITAL
Vision Oper	Vision Operations	M1	Seattle Manufacturin	01	000	1410	0000	000	AS30000	305 Digital Camera	Active	Finished good	Make	NEW	MISC

Curr Code	Item Cost	Lot Number	Expiration Date	Lot Status	Status Description	Subinv or Intransit	UOM Code	Onhand Quantity	Material Value	Matl Ovhd Value	Resource Value	OSP Value	Overhead Value	Onhand Value
USD	191.0000	DD5162		Active		FGI	Ea	20.0	3,820.00	0.00	0.00	0.00	0.00	3,820.00
USD	86.2500					Engineer	Ea	4.0	340.00	5.00	0.00	0.00	0.00	345.00
USD	1,378.9621					Staging1	Ea	55.0	68,379.63	1,886.93	4,628.48	82.50	865.38	75,842.92
USD	1,378.9621					CustReturn	Ea	173.0	215,085.02	5,935.25	14,558.67	259.50	2,722.01	238,560.45
USD	1,378.9621					FGI	Ea	608.0	755,905.73	20,859.15	51,165.72	912.00	9,566.38	838,408.98
USD	166.0000					FGI	Ea	3.0	498.00	0.00	0.00	0.00	0.00	498.00
USD	0.0000					FGI	Ea	1.0	0.00	0.00	0.00	0.00	0.00	0.00

Shows inventory value with lot numbers.
For both Discrete and Process Costing.

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Sample Multi-Org Reports

- Custom Account Distribution Reports
  - *Custom Receiving Account Summary Report*
  - *Custom Material Account Summary Report*
  - *Custom WIP Account Summary Report*

Combine all three reports into the All Transactions Report

Receiving Account Summary Report | **Parameters** Ledger: % | Transaction Date From: 01-Jan-2013
Run Date: 31-Jan-2013 19:37 | Transaction Date To: 31-Jan-2013

Ledger	Operating Unit	Org Code	Period Name	Co	Dept	Acct	Sub-Acct	Prod Grp	Item Number	Item Description	Acct Line Type	Transaction Type	Destination Type	PO Number	PO Line	Rel Num	Project Number	WIP Job	Resource Code	UOM Code	Quantity	Curr Code	Amount
Vision Operations (US	Vision Operations	S1	Jan-13	01	000	2220	0000	000	CM88333	Resistor SMT 0.5	Accrual	Receive	Inventory	5933	3	1				Ea	(5,000.0)	USD	(300.00)
Vision Operations (US	Vision Operations	W1	Jan-13	01	000	1410	0000	000	WM233	56 kv V.90 Fax Mo	Receiving Inspection	Receive	Inventory	5937	1					Ea	48.0	USD	2,490.31
Vision Operations (US	Vision Operations	W1	Jan-13	01	000	2220	0000	000	WM233	56 kv V.90 Fax Mo	Accrual	Receive	Inventory	5937	1					Ea	(48.0)	USD	(2,490.31)
Vision Operations (US	Vision Operations	EM2	Jan-13	100	1160	2220	0000	0000			Receiving Inspection	Receive	Shop Floor	3832	1			EM2-216365		Ea	6.0	USD	516.00
Vision Operations (US	Vision Operations	EM2	Jan-13	100	0000	2220	1000	0000			Accrual	Receive	Shop Floor	3832	1			EM2-216365		Ea	(6.0)	USD	(516.00)
Vision Operations (US	Vision Operations	H1	Jan-13	01	000	1410	0000	000			Receiving Inspection	Deliver	Expense	5656	1		Redwood City 419 Construction				0.0	USD	(80,000.00)
Vision Operations (US	Vision Operations	H1	Jan-13	01	000	1410	0000	000			Receiving Inspection	Receive	Expense	5656	1		Redwood City 419 Construction				0.0	USD	80,000.00

Material Account Summary Report | **Parameters:** Ledger: % | Transaction Date From: 01-Jan-2013
Run Date 31-Jan-2013 18:58 | ICP Cost Type: ICP | Transaction Date To: 31-Jan-2013

Ledger	Operating Unit	Org Code	Period Name	Co	Dept	Acct	Sub-Acct	Prod Grp	Item Number	Item Description	Acct Line Type	Transaction Type	Subinv.	WIP Class	Class Type	WIP Job	FG Item Number	FG Description	UOM Code	Quantity	Curr Code	Amount
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	AS66629	Envoy Rugge	Inv valuation	Sales Order Pick	Depot						Ea	(1.0)	USD	(1,454.78)
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	AS66629	Envoy Rugge	Inv valuation	RMA Receipt	Depot						Ea	1.0	USD	1,454.78
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	AS66629	Envoy Rugge	Inv valuation	Sales order issue	Staging1						Ea	(1.0)	USD	(1,454.78)
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	AS66629	Envoy Rugge	Inv valuation	Sales Order Pick	Staging1						Ea	1.0	USD	1,454.78
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	CM20001	Body Casting	Inv valuation	WIP Issue	RIP	Discrete	Standard Di	246005	AS10000	405 Digital C	Ea	(1.0)	USD	(25.00)
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	CM20001	Body Casting	WIP valuation	WIP Issue	WIP	Discrete	Standard Di	246005	AS10000	405 Digital C	Ea	1.0	USD	25.00
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	CM20003	Motor Rotati	Inv valuation	WIP Issue	RIP	Discrete	Standard Di	246005	AS10000	405 Digital C	Ea	(1.0)	USD	(66.00)
Vision Operatic	Vision Operations	M1	Jan-13	01	000	1410	0000	000	CM20003	Motor Rotati	WIP valuation	WIP Issue	WIP	Discrete	Standard Di	246005	AS10000	405 Digital C	Ea	1.0	USD	66.00

WIP Account Summary Report | **Parameters:** Ledger: % | Transaction Date From: 01-Sep-2008
Run Date: 01-Oct-2008 14:18 | Transaction Date To: 30-Sep-2008

Ledger	Operating Unit	Org Code	Period Name	Co	Dept	Acct	Sub-Acct	Prod Grp	FG Item Number	FG Description	Acct Line Type	WIP Transaction Type	WIP Class	Class Type	WIP Job	WIP Resource	PO Num-Line-Rel	Curr Code	Amount
Vision Operati	Vision Operations	M1	Sep-08	01	000	1440	0000	000	CN97444*207955	CTO Sentinal or Lar	WIP valuation	Resource Txn	Discrete	Standard Discrete	246212	LBR-PACK		USD	0.73
Vision Operati	Vision Operations	M1	Sep-08	01	000	1440	0000	000	CN97444*207955	CTO Sentinal or Lar	WIP valuation	Resource Txn	Discrete	Standard Discrete	246212	LBR-DTASSY		USD	1.08
Vision Operati	Vision Operations	M1	Sep-08	01	000	1440	0000	000	CN97444*207955	CTO Sentinal or Lar	WIP valuation	Resource Txn	Discrete	Standard Discrete	246212	LBR-LTASSY		USD	6.24
Vision Operati	Vision Operations	M1	Sep-08	01	520	5360	0000	000	CN92777*206955	CTO Sentinal or Lar	Overhead absorption	Overhead Txn	Discrete	Standard Discrete	246112	PreMaint		USD	(3.00)
Vision Operati	Vision Operations	M1	Sep-08	01	520	5360	0000	000	CN97444*207955	CTO Sentinal or Lar	Overhead absorption	Overhead Txn	Discrete	Standard Discrete	246212	PreMaint		USD	(3.00)

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Poll Question

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How to Manage the Inventory and Manufacturing Period Close and Remain Sane…

- PJM Reconciliation Paper

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Can We Actually Reconcile Oracle Project MFG to Inv., WIP, Projects & G/L? (What was I Thinking?)

- Plenty of things can go wrong with PJM, Inventory, WIP, Projects and G/L
- Describes a custom solution in significant detail
- White paper appendix:
  - Accounting Line Types
  - Sample SQL logic for finding the LOCATOR_ID
  - Sample SQL logic for finding the PROJECT_ID
  - Sample SQL logic for finding the SUBINVENTORY_CODE
  - Sample SQL Code for Release 12 Material Distribution Report
  - Sample SQL Code for Release 12 WIP Distribution Report
  - Subledger Accounting Transfer Methods

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R11i Reconciliation Table Architecture

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Reconciliation Table Architecture

- In Release 11i creating a custom table is your only choice
- In Release 12 use similar custom programs to populate attribute columns (ATTRIBUTE1 – 15) with the same information as found in the reconciliation table

LEGEND
Inventory & WIP tables
PA Expenditure Items All table
New integration Columns

POPULATE ATTRIBUTE COLUMNS FOR:

- **TRANSACTION_ID**
- **TRANSACTION_SOURCE**
- **EXPENDITURE_ITEM_ID**
- **PROJECT_ID**
- **PSI_RELATED_FLAG**
- **ORIG_TRANSACTION_REFERENCE**
- **BASE_TRANSACTION_VALUE**
- **PROJECT_BURDENED_COST**

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