

# Oracle E-Business Suite R12 Inventory Application

## Setup Document

**Study Project for Oracle E-Business Suite R12: SCM Training Program  
Conducted by NEXT Academy under the DEPI Initiative**

### Project Information

- **Project Title:** Oracle E-Business Suite (EBS) R12 Implementation in T3 Company
- **Course/Track:** Oracle E-Business Suite R12 Supply Chain Management
- **Instructor:** Eng. Ahmed Bakar
- **Training Group Code:** NXT11\_ONL2\_ERP3\_G1
- **Team Members: Team #3**
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# 1. Oracle EBS R12 Inventory Configuration Tasks

Section	Task	Purpose	Key Steps
<b>Prerequisite</b>	Review Chart of Accounts (COA) Flexfield Structure	Ensure financial integration and proper costing.	<ul style="list-style-type: none"> <li>- Validate the COA flexfield structure, ensuring segments align with financial reporting needs.</li> <li>- Review valuation accounts (e.g., Inventory, Cost of Goods Sold, Variances).</li> </ul>
<b>A. Global &amp; Foundational Setup</b>	1. Define Locations	Establish physical site for inventory and related modules.	<ul style="list-style-type: none"> <li>- Create location. Then, confirm shipping attributes for this location.</li> </ul>
	2. Create Calendar & Review Currency	Align operations with financial planning and support multi-currency environments.	<ul style="list-style-type: none"> <li>- Workday Calendar: Define working days, weekends, and holidays; establish exception periods.</li> <li>- Review Currency: confirm that Egypt currency is defined and set conversion rates if multi-currency is enabled.</li> </ul>
	3. Define Inventory Organizations	Create logical entities tied to locations.	<ul style="list-style-type: none"> <li>- Create inventory organizations. Then, link it to location.</li> <li>- Assign proper operating unit in multi-organization environments.</li> </ul>
<b>B. Organization-Specific Parameters</b>	4. Define Organization Parameters	Set operational rules for T3 inventory organization.	<ul style="list-style-type: none"> <li>- Select costing method (Average).</li> <li>- Configure default accounts for material valuation and expenses.</li> </ul>
	5. Change to a Valid Organization	Ensure correct configurations are applied to the intended inventory organization.	<ul style="list-style-type: none"> <li>- Use the “Change Organization” option to switch before further setups.</li> </ul>
<b>C. Flexfields &amp; Master Data Setup</b>	6. Configure System Items Key Flexfield	Structure item master by segmenting item numbers.	<ul style="list-style-type: none"> <li>- Design key flexfield with segments (e.g., Product Line, Material, Size).</li> <li>- Compile the flexfield for item creation.</li> </ul>
	7. Configure Item Categories Key Flexfield	Classify items for reporting, costing, and analysis.	<ul style="list-style-type: none"> <li>- Define segments reflecting the business hierarchy.</li> <li>- Map segments to category codes and sets.</li> </ul>
	8. Define Unit of Measure (UOM) Setup	Standardize measurement units and conversions.	<ul style="list-style-type: none"> <li>- Create UOM classes (e.g., Quantity).</li> <li>- Define base and derived units with conversion rates.</li> </ul>
	9. Define Item Attributes & Templates	Establish item behaviors and simplify bulk item creation.	<ul style="list-style-type: none"> <li>- Define item attributes at master and organization levels.</li> <li>- Create item templates to pre-populate common attribute values.</li> <li>- Define item Status Codes to classify items as active or in hold for transactions</li> </ul>
	10. Define Stock Locator Key Flexfield	Enable detailed tracking of inventory.	<ul style="list-style-type: none"> <li>- Design a locator hierarchy matching the facility layout.</li> </ul>
<b>D. Subinventory &amp; Locator Design</b>	11. Define Subinventories	Create storage areas within an inventory organization.	<ul style="list-style-type: none"> <li>- Create subinventories with unique names.</li> <li>- Configure locator control options.</li> </ul>
	12. Define Stock Locators	Enable detailed tracking of inventory.	<ul style="list-style-type: none"> <li>- Assign locators to appropriate subinventories.</li> </ul>

E. Costing & Accounting Setup	13. Define Cost Types	Establish how item costs are tracked and updated.	<ul style="list-style-type: none"> <li>- Create and configure cost types.</li> <li>- Assign cost types to inventory organizations and populate initial item costs.</li> </ul>
	14. Define Account Aliases	to facilitate transactions mapping to proper accounts	<ul style="list-style-type: none"> <li>-Define a new Shorthand Aliase</li> </ul>
	15. Open Accounting Periods	Allow transactions to be posted within valid periods.	<ul style="list-style-type: none"> <li>- Open required periods in Inventory.</li> <li>- Close periods post-reconciliation.</li> </ul>
F. Custom Transaction Handling & Source-Specific Customizations	16. Configure Custom Transaction Types & Implement Custom Validations	<ul style="list-style-type: none"> <li>-Enforce business rules based on warehouse operations.</li> <li>-Prevent invalid item issues.</li> </ul>	<ul style="list-style-type: none"> <li>- Create custom transaction types.</li> <li>- Configure rules to regulate inventory transactions and ensure stock accuracy.</li> </ul>
G. Receiving Options	17. Define Receiving Options	Ensure proper receiving configurations that aligns with company policies.	<ul style="list-style-type: none"> <li>- Set Receiving options.</li> </ul>
H. Testing, Reporting & Finalization	18. Finalize Profile Options	Ensure system behavior aligns with policies and users are prepared.	<ul style="list-style-type: none"> <li>- Set profile options.</li> <li>- Conduct user training and document settings.</li> </ul>

Section	Task	Purpose	Key Steps
Prerequisite	Review Chart of Accounts (COA) Flexfield Structure	Ensure financial integration and proper costing.	<ul style="list-style-type: none"> <li>- Validate the COA flexfield structure, ensuring segments align with financial reporting needs.</li> <li>- Review valuation accounts (e.g., Inventory, Cost of Goods Sold, Variances).</li> </ul>

## Step 1: Identify the COA Flexfield Structure

### 1. COA Structure Assignment

#### o Navigation:

- Go to **General Ledger Responsibility → Setup → Financials → Accounting Setup Manager → Accounting Setups**.
- Search for the ledger assigned to the operating unit (*Vision Operations (USA)*).

**Accounting Setups**

The Accounting Setup Manager enables you to set up and implement your Oracle Financial Applications from one location. Each accounting setup you define includes the common setup components that control transaction processing across Oracle Financial Applications.

Status Key: ✓ - Completed ⌚ - In Progress ■ - Not Started

**Search**

Search by Ledger  Go

Create Accounting Setup ⋮

Ledger	Type	Associated Primary Ledger	Status	Update Accounting Options	Table Diagnostics
Vision Operations (USA)	Primary Ledger	Vision Operations (USA)	✓		

- Confirm that the COA structure appears under the “Update Ledger” section.

Accounting Setups
 Legal Entities

**Ledger Definition**

Accounting Setups > **Update Ledger: Ledger Definition**

\* Indicates required fields

**Standard Information**

* Ledger	<input type="text" value="Vision Operations (USA)"/>
	<small>Ledger name must be unique</small>
* Short Name	<input type="text" value="Vision Operations"/>
	<small>Ledger short name must be unique</small>
Description	<input type="text" value="Vision Operations (USA) Ledger"/>
Currency	<input type="text" value="USD"/>
Chart of Accounts	<input type="text" value="Operations Accounting Flex"/>

## 2. Review Segments and Predefined Value Sets

- **Overview:**  
Review the segments defined in the *OPERATIONS\_ACCOUNTING\_FLEX* structure and ensure that the value sets align with financial reporting requirements.
- **Segments:**

The screenshot shows the 'Segments Summary (Accounting Flexfield) - Operations Accounting Flex' window. The main table lists segments, with the 'Company' segment selected. Below it, the 'Flexfield Qualifiers (Accounting Flexfield) - Operations Accounting Flex, Company' window is open, showing a list of qualifiers. The 'Balancing Segment' is checked in the 'Enabled' column.

Number	Name	Window Prompt	Column	Value Set	Enabled	Updatable
1	Company	Company	SEGMENT1	Operations Company	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Name	Description	Enabled
Cost Center Segment	This attribute is used to identify the cost center segment.	<input type="checkbox"/>
Natural Account Segme	This attribute is used to identify the natural account segment.	<input type="checkbox"/>
Balancing Segment	This attribute is used to identify the balancing segment. This is typi	<input checked="" type="checkbox"/>
Intercompany Segment	This attribute is used to identify the intercompany segment	<input type="checkbox"/>
Management Segment	This attribute is used to identify the management segment.	<input type="checkbox"/>
Secondary Tracking Seg	This attribute is used to identify the secondary tracking segment to	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

*First Segment (Company) & Qualifier: Balancing Segment*

The screenshot shows the 'Segments Summary (Accounting Flexfield) - Operations Accounting Flex' window. The main table lists segments, with the 'Department' segment selected. Below it, the 'Flexfield Qualifiers (Accounting Flexfield) - Operations Accounting Flex, Department' window is open, showing a list of qualifiers. The 'Cost Center Segment' is checked in the 'Enabled' column.

Number	Name	Window Prompt	Column	Value Set	Enabled	Updatable
1	Company	Company	SEGMENT1	Operations Company	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Department	Department	SEGMENT2	Operations Department	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Name	Description	Enabled
Cost Center Segment	This attribute is used to identify the cost center segment.	<input checked="" type="checkbox"/>
Natural Account Segme	This attribute is used to identify the natural account segment.	<input type="checkbox"/>
Balancing Segment	This attribute is used to identify the balancing segment. This is typi	<input type="checkbox"/>
Intercompany Segment	This attribute is used to identify the intercompany segment	<input type="checkbox"/>
Management Segment	This attribute is used to identify the management segment.	<input type="checkbox"/>
Secondary Tracking Seg	This attribute is used to identify the secondary tracking segment to	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

*Second Segment (Department) & Qualifier: Cost Center*

Segments Summary (Accounting Flexfield) - Operations Accounting Flex

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Insertable	Updatable
1	Company	Company	SEGMENT1	Operations Company	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Department	Department	SEGMENT2	Operations Department	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Account	Account	SEGMENT3	Operations Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Flexfield Qualifiers (Accounting Flexfield) - Operations Accounting Flex, Account

Name	Description	Enabled
Cost Center Segment	This attribute is used to identify the cost center segment.	<input type="checkbox"/>
Natural Account Segment	This attribute is used to identify the natural account segment.	<input checked="" type="checkbox"/>
Balancing Segment	This attribute is used to identify the balancing segment. This is typi	<input type="checkbox"/>
Intercompany Segment	This attribute is used to identify the intercompany segment	<input type="checkbox"/>
Management Segment	This attribute is used to identify the management segment.	<input type="checkbox"/>
Secondary Tracking Segment	This attribute is used to identify the secondary tracking segment to	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

*Third Segment (Account) & Qualifier: Natural Account*

Segments Summary (Accounting Flexfield) - Operations Accounting Flex

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Insertable	Updatable
1	Company	Company	SEGMENT1	Operations Company	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Department	Department	SEGMENT2	Operations Department	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Account	Account	SEGMENT3	Operations Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Sub-Account	Sub-Account	SEGMENT4	Operations Sub-Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Product	Product	SEGMENT5	Operations Product	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>
					<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"/>

Value Set      Flexfield Qualifiers      New      Open

*Fourth Segment (Sub-Account) & Qualifier: None*

Segments Summary (Accounting Flexfield) - Operations Accounting Flex

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Updatable	Insertable
1	Company	Company	SEGMENT1	Operations Company	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Department	Department	SEGMENT2	Operations Department	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Account	Account	SEGMENT3	Operations Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Sub-Account	Sub-Account	SEGMENT4	Operations Sub-Account	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Product	Product	SEGMENT5	Operations Product	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>
					<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"/>

Value Set      Flexfield Qualifiers      New      Open

*Fifth Segment (Product) & Qualifier: None*

## Step 2: Review Valuation Accounts & Predefined Value Sets

### 1. Identify Key Valuation Accounts

- **Action:** Review essential valuation accounts, including:
  - **Inventory Accounts:** Inventory Valuation, Cost of Goods Sold, Material Overhead, etc.
  - **Purchasing Accounts:** AP Accrual, Invoice Price Variance, etc.
  - **Order Management Accounts:** Deferred Revenue, Sales Revenue, etc.
- Inventory Valuation Accounts

Account Name	Purpose
<b>Material</b>	Records the purchase cost of all on-hand inventory.
<b>Outside Processing</b>	Captures costs for outsourced services such as repackaging or inspections.
<b>Material Overhead</b>	Accumulates indirect costs like freight, customs, and handling incurred during inventory acquisition and storage.
<b>Overhead</b>	Records additional indirect costs such as facility and administrative expenses allocated to inventory management.
<b>Resource</b>	Tracks internal labor and equipment costs related to receiving and handling inventory.
<b>Expense</b>	Records non-capitalized costs and write-offs that do not add to the inventory asset value.

- Receiving / Other Accounts

Account Name	Purpose
<b>Purchase Price Variance</b>	Captures variance between PO price and cost at receipt
<b>Invoice Price Variance</b>	Captures variance between PO price and invoice price
<b>Inventory AP Accrual</b>	Represents liability for inventory receipts not yet invoiced
<b>Sales</b>	Recognizes revenue from product sales
<b>Cost of Goods Sold</b>	Records the cost of goods sold upon shipment
<b>Project Clearance</b>	Used for miscellaneous issues to capital projects
<b>Deferred COGS</b>	Represents cost of shipped goods with revenue deferred

- Purchasing Accounts

Account Name	Purpose
<b>Liability</b>	Represents the default liability for goods/services received but not invoiced
<b>Prepayment</b>	Represents prepayments for suppliers
<b>Bills Payable</b>	Represents payable liabilities for bills
<b>Discount Taken</b>	Captures discounts taken on payments
<b>PO Rate Variance Gain</b>	Records exchange rate variance gains on purchase orders
<b>PO Rate Variance Loss</b>	Records exchange rate variance losses on purchase orders



## 2. Retrieve Predefined Value Sets

- **Action:** Obtain the value sets defined for each COA flexfield segment.

Segment Values

☐ Value Set ☒ Key Flexfield ☐ Descriptive Flexfield ☐ Concurrent Program

Title: Accounting Flexfield  
Independent Segment: Company  
Independent Value:   
Structure: Operations Accounting f  
Dependent Segment:   
Value Description:

Values (Company) ☒

Values, Effective Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
00	00	Default	<input checked="" type="checkbox"/>			
01	01	Operations	<input checked="" type="checkbox"/>			
02	02	Distribution	<input checked="" type="checkbox"/>			
03	03	Project Mfg (Vision MRC)	<input checked="" type="checkbox"/>			
06	06	IR Kuwait Ledger	<input checked="" type="checkbox"/>			
07	07	SS	<input checked="" type="checkbox"/>			
08	08	SM	<input checked="" type="checkbox"/>			

Define Child Ranges Move Child Ranges View Hierarchies

Segment Values

☐ Value Set ☒ Key Flexfield ☐ Descriptive Flexfield ☐ Concurrent Program

Title: Accounting Flexfield  
Independent Segment: Account  
Independent Value:   
Structure: Operations Accounting f  
Dependent Segment:   
Value Description:

Values (Account) ☒

Values, Effective Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
1410	1410	Inventory Material Value	<input checked="" type="checkbox"/>			
1411	1411	FS-Inventory Material Value	<input checked="" type="checkbox"/>			
1415	1415	Deferred CoGS	<input checked="" type="checkbox"/>			
1420	1420	Inventory Material Overhead V	<input checked="" type="checkbox"/>			
1421	1421	FS-Inventory Material Overhea	<input checked="" type="checkbox"/>			
1430	1430	Inventory Overhead Value	<input checked="" type="checkbox"/>			
1431	1431	FS-Inventory Overhead Value	<input checked="" type="checkbox"/>			

Define Child Ranges Move Child Ranges View Hierarchies

Segment Values

☐ Value Set
 ☒ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Title: Accounting Flexfield  
 Independent Segment: Department  
 Independent Value:   
 Structure: Operations Accounting f  
 Dependent Segment:   
 Value Description:

Values (Department) ☒

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
000	000	No Department	<input checked="" type="checkbox"/>			
050	050	IR Bazza Group	<input checked="" type="checkbox"/>			
051	051	IR Bazza Mishrif	<input checked="" type="checkbox"/>			
052	052	IR Bazza Shamiya	<input checked="" type="checkbox"/>			
053	053	IR Bazza Hawalli	<input checked="" type="checkbox"/>			
054	054	IR Bazza Salmiya	<input checked="" type="checkbox"/>			
055	055	IR Bazza Rumaithiya	<input checked="" type="checkbox"/>			

Define Child Ranges | Move Child Ranges | View Hierarchies

Segment Values

☐ Value Set
 ☒ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Title: Accounting Flexfield  
 Independent Segment: Product  
 Independent Value:   
 Structure: Operations Accounting f  
 Dependent Segment:   
 Value Description:

Values (Product) ☒

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
000	000	No Product	<input checked="" type="checkbox"/>			
100	100	Product X	<input checked="" type="checkbox"/>			
110	110	Sentinal Standard	<input checked="" type="checkbox"/>			
120	120	Sentinal Custom	<input checked="" type="checkbox"/>			
130	130	Envoy Standard	<input checked="" type="checkbox"/>			
140	140	Envoy Custom	<input checked="" type="checkbox"/>			
150	150	Other Computer	<input checked="" type="checkbox"/>			

Define Child Ranges | Move Child Ranges | View Hierarchies

Segment Values

Value Set

Key Flexfield

Descriptive Flexfield

Concurrent Program

Title

Accounting Flexfield

Structure

Operations Accounting f

Independent Segment

Sub-Account

Dependent Segment

Independent Value

Value Description

Values (Sub-Account)

Values, Effective

Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
0000	0000	No Sub Account	<input checked="" type="checkbox"/>			-
1100	1100	Cost of Sales	<input checked="" type="checkbox"/>			-
1200	1200	Research and Development	<input checked="" type="checkbox"/>			-
1300	1300	Sales and Marketing	<input checked="" type="checkbox"/>			-
1400	1400	General and Administrative	<input checked="" type="checkbox"/>			-
2101	2101	Arkansas	<input checked="" type="checkbox"/>			-
2102	2102	Arizona	<input checked="" type="checkbox"/>			-

Define Child Ranges

Move Child Ranges

View Hierarchies

### 3. Document key Account Combinations

- **Action:** Capture the typical account combinations derived from the predefined value sets.

### 4. Inventory Valuation Accounts

Account Name	Purpose	Value (Segments Combination)
<b>Material</b>	Tracks the asset value of on-hand inventory	01-000-1410-0000-000
<b>Outside Processing</b>	Tracks costs related to external processing	01-000-1450-0000-000
<b>Material Overhead</b>	Captures material overhead costs	01-000-1420-0000-000
<b>Overhead</b>	Captures overhead costs associated with inventory management	01-000-1430-0000-000
<b>Resource</b>	Tracks resource-related costs	01-000-1440-0000-000
<b>Expense</b>	Used for recording expenses for non-asset items	01-000-7530-0000-000

### 5. Receiving / Other Accounts

Account Name	Purpose	Value (Segments Combination)
<b>Purchase Price Variance</b>	Captures variance between PO price and cost at receipt	01-000-5220-0000-000
<b>Invoice Price Variance</b>	Captures variance between PO price and invoice price	01-000-5210-0000-000
<b>Inventory AP Accrual</b>	Represents liability for inventory receipts not yet invoiced	01-000-2210-0000-000
<b>Sales</b>	Recognizes revenue from product sales	01-000-4110-0000-000
<b>Cost of Goods Sold</b>	Records the cost of goods sold upon shipment	01-000-1410-0000-000
<b>Project Clearance</b>	Used for miscellaneous issues to capital projects	01-000-1415-0000-000
<b>Deferred COGS</b>	Represents cost of shipped goods with revenue deferred	01-000-5315-0000-000

### 6. Purchasing Accounts

Account Name	Purpose	Value (Segments Combination)
<b>Liability</b>	Represents the default liability for goods/services received but not invoiced	01-000-2210-0000-000
<b>Prepayment</b>	Represents prepayments for suppliers	01-000-1340-0000-000
<b>Bills Payable</b>	Represents payable liabilities for bills	01-000-2580-0000-000
<b>Discount Taken</b>	Captures discounts taken on payments	01-740-7825-0000-000
<b>PO Rate Variance Gain</b>	Records exchange rate variance gains on purchase orders	01-740-7842-0000-000
<b>PO Rate Variance Loss</b>	Records exchange rate variance losses on purchase orders	01-740-7844-0000-000

Section	Task	Purpose	Key Steps
A. Global & Foundational Setup	1. Define Locations	Establish physical site for inventory and related modules.	- Create location. Then, confirm shipping attributes for this location.

1. Navigate to Inventory > Setup > Organizations > Locations.
2. **Location** window open by default to create a new location.
3. Enter the following details in the form header:
  - Scope: Global
  - Name: T3 Company Location
  - Description: T3 Company Location

The screenshot shows the 'Location' window with the following details:

- Scope:** Global (selected), Local
- Name:** T3 Company Location
- Description:** T3 Company Location
- Inactive Date:** (empty field)
- Legal Address:** ☐

At the bottom, there are three tabs: Address Details, Shipping Details, and Other Details.

4. Enter the following details in the Address details tab by press on address value that popup:
  - Country: Egypt
  - Address: 101 Tiaran Street, Nasr City, Cairo

The screenshot shows the 'Address Details' tab with the following details:

- Address Style:** Egypt
- Address:** Egypt.101 Tiaran Street, Nasr City, Cairo. (indicated by a red arrow)
- Timezone:** (empty field)

Below the main window is a 'Location Address' popup window with the following details:

- Country:** Egypt
- Address:** 101 Tiaran Street, Nasr City, Cairo
- Telephone:** (empty field)

At the bottom of the popup window are four buttons: OK, Cancel, Clear, and Help.

5. Enable all attributes in the shipping details tab

The screenshot shows a software interface with three tabs: "Address Details", "Shipping Details", and "Other Details". The "Shipping Details" tab is active and highlighted with a dashed border. Below the tabs, there is a "Contact" label followed by a text input field. Below that, a red rectangular box highlights a section containing the following elements: a "Ship-To Location" label with a dropdown menu showing "T3 Company Location", and five checked checkboxes arranged in two columns: "Ship-To Site", "Receiving Site", and "Office Site" on the left; "Bill-To Site" and "Internal Site" on the right.

6. After Definition of T3 inventory organization, we will assign the location to T3 Inventory Org as following within the Other Details Tab .

The screenshot shows the same software interface, but now the "Other Details" tab is active and highlighted with a dashed border. Below the tabs, there is a red rectangular box highlighting a section containing the following elements: an "Inventory Organization" label with a dropdown menu showing "T3 inventory organization", and two empty text input fields labeled "EDI Location" and "Tax Code" below it.

7. Click Save (Ctrl+S).

Section	Task	Purpose	Key Steps
A. Global & Foundational Setup	2. Create Calendar & Review Currency	Align operations with financial planning and support multi-currency environments.	<ul style="list-style-type: none"> <li>- Workday Calendar: Define working days, weekends, and holidays; establish exception periods.</li> <li>- Review Currency: confirm that Egypt currency is defined and set conversion rates if multi-currency is enabled.</li> </ul>

### **Firstly, Create Workday Calendar**

1. Navigate to **Inventory > Setup > Organizations > Calendars**.
2. **Calendar** window open by default to create a new calendar.
3. Enter the following details:
  - o **Name:** Standard
  - o **Description:** Standard Workday Calendar
  - o **Quarterly Type:** 4/4/5 Week Pattern

The screenshot shows the 'Workday Calendar' window. The 'Name' field is 'Standard', 'Description' is 'Standard Workday Calendar', and 'Quarterly Type' is '4/4/5 Week Pattern'. The 'Calendar Date Range' section shows 'From' as '31-DEC-2023' and 'To' as '02-JAN-2031'. The 'From' date is highlighted with a red box. Below the date range, there are three buttons: 'Workday Pattern', 'Shifts', and 'Dates'.

4. Define **Workday Patterns**:
  - o **Sequence:** 10
  - o **Days On:** 5
  - o **Days Off:** 2 (Friday, Saturday)
  - o **Description:** 5 Days a Week Schedule

Workday Patterns - PCA\_CAL

Days

Seq	On	Off	Description
10	5	2	5 Days a Week Schedule

5. Define **Shifts**:
  - **Shift Number:** 10
  - **Description:** General

Shifts - PCA\_CAL

Shift Num	Description
10	General

Workday Pattern Times Dates

6. Click **Save (Ctrl+S)**.



## Secondly, Review Currency

### Step 1: Verify Currency Definition

**Navigate to:** General Ledger (GL) Responsibility. Then, **Go to** Setup > Currencies > Define

- Query for "Egyptian Pound" (EGP). Then, verify that it is enabled.

Code	Name	Effective	From	To	Enabled	
EGP	Egyptian Pound				<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"/>	<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"/>

### Step 2: Verify Conversion Rates

Due to the fact that business transactions often involve foreign currencies, we need to verify currency conversion rates.

**Navigate to:** General Ledger Responsibility. Then, Go to **Setup > Currencies > Rates > Daily**

- Check if exchange rates are already defined for EGP against the primary foreign currency (USD). If not, we would enter it.

From	To	Date	Type	EGP To USD	USD To EGP	
EGP	USD	01-JAN-2025	DALY	.02	50	<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Section	Task	Purpose	Key Steps
A. Global & Foundational Setup	3. Define Inventory Organizations	Create logical entities tied to locations.	<ul style="list-style-type: none"> <li>- Create inventory organizations. Then, link it to location.</li> <li>- Assign proper operating unit in multi-organization environments.</li> </ul>

**Navigation Path:** Inventory > Setup > Organizations > Organizations

1. Go to **Inventory > Setup > Organizations > Organizations**.
2. Click on **New(A)**.
3. Enter the following details:
  - o **Organization Name:** T3 Company.
  - o **From Date:** 11-JAN-2025.
  - o **Type:** Inventory Organization.
  - o **Organization Classifications:** Inventory Organization, and Check on **Enabled** Check-button.
4. Click **Save** to save the organization.
5. Click on **Others**.

The screenshot shows the 'Organization' form with the following details:

- Name:** T3 Company
- Type:** Inventory Organization
- Dates:** From: 11-JAN-2025, To:
- Location:** T3 Company Location
- Internal or External:** Internal
- Location Address:** Egypt.101 Tiaran Street, Nasr City, Cairo.
- Internal Address:**
- Organization Classifications:** Inventory Organization
- Enabled:** ☒
- Others:** Button

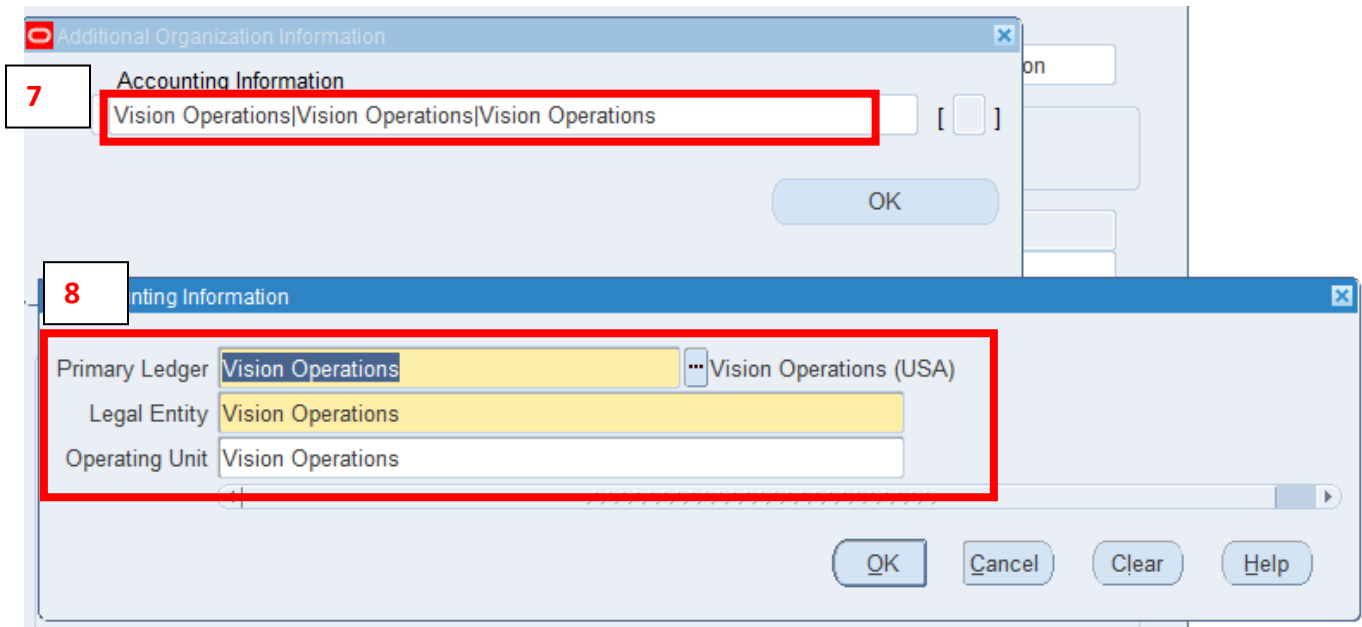
6. Click on **Accounting Information**.

The 'Additional Organization Information' dialog box shows the following options:

- Find %
- Additional Information
- Accounting Information** (highlighted)
- Customer/Supplier Association
- Inventory Information
- Receiving Information

A new window popup as in the following screenshot.

7. Click on **Accounting Information** field. A new window appears.
8. Enter the following details:
  - **Primary Ledger:** Vision Operations.
  - **Legal Entity:** Vision Operations.
  - **Operating Unit:** Vision Operations.



Section	Task	Purpose	Key Steps
B. Organization-Specific Parameters	4. Define Organization Parameters	Set operational rules for T3 inventory organization.	<ul style="list-style-type: none"> <li>- Select costing method (Average).</li> <li>- Configure default accounts for material valuation and expenses.</li> </ul>

**Navigation Path:** Inventory > Setup > Organizations > Parameters

1. Navigate to **Inventory > Setup > Organizations > Parameters**.
2. Set the following **Inventory Parameters**:
  - **Organization Code:** T3
  - **Item Master Organization:** Vision Operations
  - **Calendar:** Standard
  - **Move Order Timeout Period:** 0
  - **Move Order Timeout Action:** Approve automatically
  - **Locator Control:** Determined at Sub-inventory level
  - **Auto Delete Allocations at Move Order Cancel:** Yes
  - **Allow Negative Quantity:** No
3. Click **Save** to save the parameters.

Organization Parameters (T3)

Inventory Parameters | Costing Information | Revision, Lot, Serial And LPN | ATP, Pick, Item-Sourcing

Organization Code: T3

Item Master Organization: Vision Operations

Calendar: Standard

Demand Class:

Move Order Timeout Period: 0

Move Order Timeout Action: Approve automatically

Locator Control: Determined at Subinventory level

Default On-Hand Material Status:

☐ Enforce Locator Alias Uniqueness

☐ Quality Skipping Inspection Control

☐ Allow Negative Balances

☒ Auto Delete Allocations at Move Order Cancel

4. Switch to the **Costing Parameters**. Set it as the following:
  - **Costing Organization:** T3 Company
  - **Costing Method:** Average
  - **Rates Cost Type:** AvgRates
  - **Transfer to GL:** Yes

Organization Parameters (T3)

Inventory Parameters Costing Information Revision, Lot, Serial And LPN ATP, Pick, Item-Sourcing

Costing Organization	T3 Company
Costing Method	Average
Rates Cost Type	AvgRates
Transfer to GL	Yes

5. In the same **Costing** tab, enter the **Accounts** given from the financial consultant:

Organization Parameters (PCA)

Inventory Parameters Costing Information Revision, Lot, Serial And LPN ATP, Pick, Item-Sourcing

**Valuation Accounts**

Material	01-000-1410-0000-000
Outside Processing	01-000-1450-0000-000
Material Overhead	01-000-1420-0000-000
Overhead	01-000-1430-0000-000
Resource	01-000-1440-0000-000
Expense	01-000-7530-0000-000

6. Switch to the **other accounts** tab. Set it according to what given by the financial consultant:

Organization Parameters (PCA)

Revision, Lot, Serial And LPN ATP, Pick, Item-Sourcing Inter-Org Information Other Accounts

**Receiving Accounts**

Purchase Price Variance	
Invoice Price Variance	01-000-5220-0000-000
Inventory AP Accrual	01-000-2210-0000-000
Encumbrance	

**Profit and Loss Accounts**

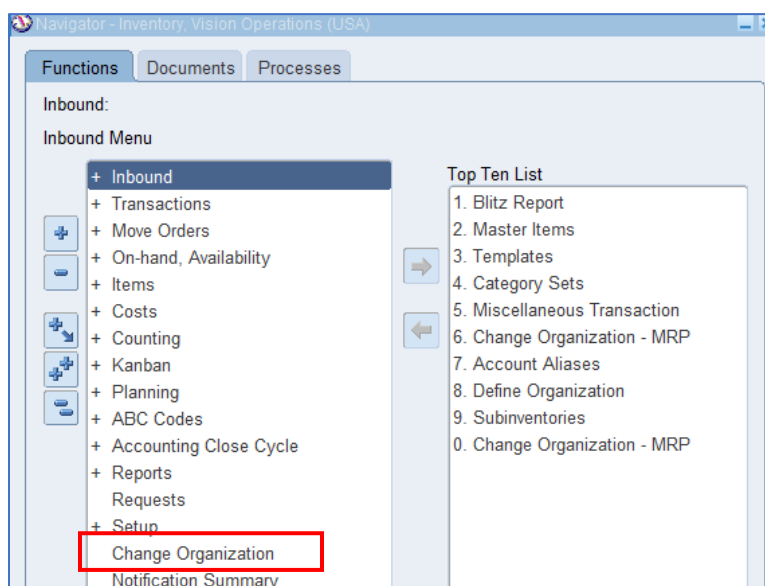
Sales	01-000-5112-0000-000
Cost of Goods Sold	01-000-1410-0000-000

**Other Accounts**

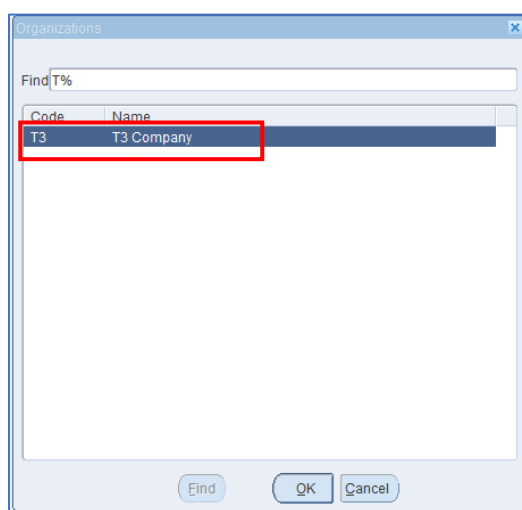
Project Clearance Account	
Deferred COGS Account	01-000-1415-0000-000
Cost Variance Account	01-000-5315-0000-000

Section	Task	Purpose	Key Steps
B. Organization-Specific Parameters	5. Change to a Valid Organization	Ensure correct configurations are applied to the intended inventory organization.	- Use the “Change Organization” option to switch before further setups.

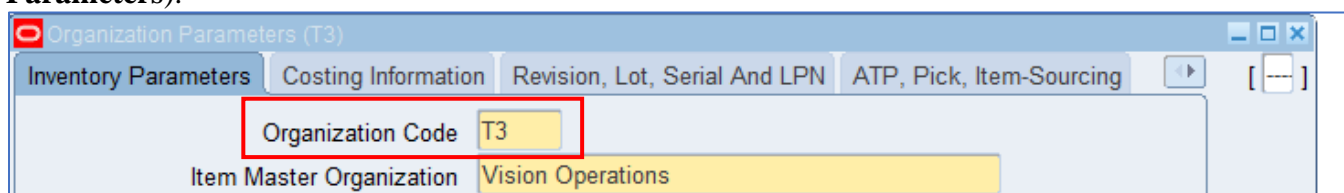
### 1. Navigate to: Inventory → Change Organization



### 2. Select the correct **Organization Code/Name** [T3 : T3 Company] and click **OK**.



### 3. Verify the active organization (**Navigate to: Inventory → Setup → Organizations → Parameters**).



Section	Task	Purpose	Key Steps
C. Flexfields & Master Data Setup	6. Configure System Items Key Flexfield	Structure item master by segmenting item numbers.	<ul style="list-style-type: none"> <li>- Design key flexfield with segments (e.g., Product Line, Material, Size).</li> <li>- Compile the flexfield for item creation.</li> </ul>

### 1. Understanding Key Flexfields (KFF)

Key Flexfields allow businesses to define custom structures for data entry. The **System Items KFF** determines how items are entered and validated within Oracle Inventory.

### 2. Define the Flexfield Structure

- **Navigate to:** Inventory → Setup → Flexfield → Key → Segments
- Query for **SYSTEM\_ITEMS Flexfield**.

Key Flexfield Segments

Application: Inventory Flexfield Title: System Items

Code	Title	Description	View Name
SYSTEM_ITEMS	System Items	System items flexfield	

☒ Freeze Flexfield Definition   
 ☒ Enabled   
 Segment Separator: Period ( . )

☐ Cross-Validate Segments   
☐ Freeze Rollup Groups   
☐ Allow Dynamic Inserts

Compile Segments

### 3. Define Segments

In the **Segments window** section, one segment is defined to structure item numbering.

Segments Summary (System Items) - System Items

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Insertable	Updatable
1	Item	Item	SEGMENT1	Item Master	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### 4. Configure the Value Set

The **Item Master** value set controls input for the "Item" segment, enforcing data consistency according to the following validation setting.

Field	Value
Format Type	Char
Maximum Size	30

The screenshot shows the 'Value Sets' configuration window. The 'Value Set Name' is 'Item Master' and the 'Description' is 'Item Master'. The 'List Type' is 'List of Values' and the 'Security Type' is 'No Security'. Under 'Format Validation', the 'Format Type' is 'Char', 'Maximum Size' is '30', and 'Precision' is empty. There are three unchecked checkboxes: 'Numbers Only (0-9)', 'Uppercase Only (A-Z)', and 'Right-justify and Zero-fill Numbers (0001)'. The 'Min Value' and 'Max Value' fields are empty. Under 'Value Validation', the 'Validation Type' is 'None'. There is an 'Edit Information' button.

Field	Value
Value Set Name	Item Master
Description	Item Master
List Type	List of Values
Security Type	No Security
Format Type	Char
Maximum Size	30
Precision	
Numbers Only (0-9)	<input type="checkbox"/>
Uppercase Only (A-Z)	<input type="checkbox"/>
Right-justify and Zero-fill Numbers (0001)	<input type="checkbox"/>
Min Value	
Max Value	
Validation Type	None



Section	Task	Purpose	Key Steps
C. Flexfields & Master Data Setup	7. Configure Item Categories Key Flexfield	Classify items for reporting, costing, and analysis.	<ul style="list-style-type: none"> <li>- Define segments reflecting the business hierarchy.</li> <li>- Map segments to category sets and compile the flexfield.</li> </ul>

**Firstly**, Configure Item Categories Key Flexfield Segments:

**Navigation Path:** Inventory > Setup > Flexfields > Key > Segments.

Application  Flexfield Title

Structures

Code	Title	Description	View Name

☒ Freeze Flexfield Definition
 ☒ Enabled
 Segment Separator 
☐

☒ Cross-Validate Segments
 ☒ Freeze Rollup Groups
 ☒ Allow Dynamic Inserts

Compile Segments

- Press on torch button to search for the Flexfield.
- In Find Prompt: Write the word “**inventory**” to view only the Flexfields related to the inventory application.

Find Key Flexfield

Find  Inventory%

Application	Title
Inventory	Item Catalogs
Inventory	Item Categories
Inventory	ORACLE_SERVICE_ITEM_FLEXFIELD
Inventory	System Items

- Select the **Item Category Flexfield**. A new window appears showing all the item categories structures defined already in the system.

Key Flexfield Segments

Application: Inventory Flexfield Title: Item Categories

Structures


Code	Title	Description	View Name
ACCOUNTING_CATEG	Accounting Category	Accounting Category	
ALLOC_CLASS	Allocation Class	Allocation Class	
EAM_CATEGORIES	Asset Management	Asset Management Category Fl	
CARTONIZATION	Cartonization Groups	WMS Cartonization Groups	
CATALOG_CATEGORY	Catalog Category	PLM Product Catalog	
WSH_COMMODITY_CC	Commodity Code	Commodity Code	
CONTRACT_CATEGOR	Contract Categories	Contract Categories Structure	
COST_CLASS	Cost Class	Cost Class	

☒ Freeze Flexfield Definition  
☐ Cross-Validate Segments

☒ Enabled  
☐ Freeze Rollup Groups

Segment Separator: Period ( . )  
☐ Allow Dynamic Inserts

Compile Segments

- Uncheck Freeze Flexfield Definition to define a new structure for our case study.
- Insert **A new record**  . A new line opened for the definition of new category structure.
- A new category structure is defined as shown in the following screenshot.

Key Flexfield Segments

Application: Inventory Flexfield Title: Item Categories

Structures

Code	Title	Description	View Name
ACCOUNTING_CATEG	Accounting Category	Accounting Category	
PCA_CATEGORY	PCA_CATEGORY	PCA Items Category Structure	
ALLOC_CLASS	Allocation Class	Allocation Class	

Code: **PCA\_CATEGORY**  
 Description: **PCA Items Category Structure**

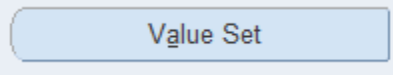
- Click on **Segments** to define the fields inside this structure.

Segments

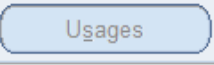
- Define two Segments for the Item Categories Flexfield structure as following:
- **Segment 1:** Major Category – Broad classification of items.
- **Segment 2:** Minor Category – Detailed classification under each Major Category.

Segments Summary (Item Categories) - PCA\_CATEGORY

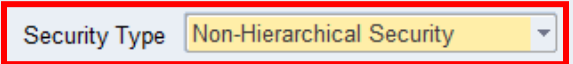
Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Updatable	Insertable
10	Major Category	Major Category	SEGMENT1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Minor Category	Minor Category	SEGMENT2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Press on value set button 
- Define the value set of the major category segment as following:
  - **Value Set Name:** Major\_Category\_Seg1\_ValueSet
  - **Security Type:** Non-Hierarchical Security
  - **Format Type:** Char
  - **Maximum Size:** 30
  - **Validation Type:** Independent

Value Sets

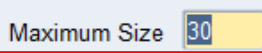
Value Set Name: Major\_Category\_Seg1\_ValueSet 

Description:

List Type: List of Values 

Security Type: Non-Hierarchical Security

Format Validation

Format Type: Char  Maximum Size: 30 Precision:

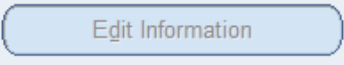
☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value:  Max Value:

Value Validation

Validation Type: Independent 

Then Click Save.

- Define the value set of the minor category segment as following:
  - **Value Set Name:** Minor\_Category\_Seg2\_ValueSet
  - **Security Type:** Non-Hierarchical Security
  - **Format Type:** Char
  - **Maximum Size:** 30
  - **Validation Type:** Dependent

The screenshot shows the 'Value Sets' configuration window. The 'Value Set Name' field is highlighted with a red box and contains the text 'Minor\_Category\_Seg2\_ValueSet'. The 'List Type' dropdown is set to 'List of Values'. The 'Security Type' dropdown is highlighted with a red box and set to 'Non-Hierarchical Security'. In the 'Format Validation' section, the 'Format Type' dropdown is highlighted with a red box and set to 'Char', and the 'Maximum Size' field is highlighted with a red box and set to '30'. The 'Validation Type' dropdown is highlighted with a red box and set to 'Dependent'. There are buttons for 'Usages' and 'Edit Information'.

Then Click Save. A new window popup to enter the information of the independent ValueSet that it depends on. Simply, Enter the Name of the ValueSet of the major category segment.

The screenshot shows the 'Dependent Value Set Information' window. The 'Independent Value Set' section has a 'Name' field highlighted with a red box and set to 'Major\_Category\_Seg1\_ValueSet'. The 'Dependent Default Value' section has a 'Value' field highlighted with a red box and set to 'General', and a 'Description' field highlighted with a red box and set to 'General'.

- **Insert** the value set of the major category in its field and click **Save**.

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Updatable	Insertable
10	Major Category	Major Category	SEGMENT1	Major_Category_Seg1_Val		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Minor Category	Minor Category	SEGMENT2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- **Then, Insert** the value set of the minor category in its field and click **Save**.

Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled	Updatable	Insertable
10	Major Category	Major Category	SEGMENT1	Major_Category_Seg1_Val		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Minor Category	Minor Category	SEGMENT2	Minor_Category_Seg2_Val		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Now, **Freeze the Flexfield Definition**, and click on **Save**. A new window popup, click **Ok**.

Application: Inventory Flexfield Title: Item Categories

Code	Title	Description	View Name
PCA_CATEGORY	PCA_CATEGORY	PCA Items Category Structure	

☒ Freeze Flexfield Definition ☒ Enabled ☐ Cross-Validate Segments ☐ Freeze Rollup Groups

Segment Separator: Period ( . ) ☐ Allow Dynamic Inserts

Buttons: Compile, Segments

Note: Compiling flexfield definition. OK

A new popup window appear that show that the Flexfield structure was created successfully.

Note: The flexfield was compiled successfully. Submitted request to generate flexfield view MTL\_CATEGORIES\_B\_KFV. OK

**Secondly, Define Key Flexfield Categories Value Sets:**

**Table of Values for Item Categories Flexfield**

Major Category	Minor Category	Description
General	General	Default Value as a Non-Classification
COMPONENTS	CPU	Central Processing Units (e.g., Intel, AMD)
	MOTHERBOARD	Mainboards for various socket types
	RAM	Memory modules (e.g., DDR4, DDR5)
	STORAGE	SSDs, HDDs, and other storage devices
	GPU	Graphics cards for gaming or professional use
	POWER_SUPPLY	Power Supply Units (PSUs)
	CASE	PC chassis and related components
	COOLING	Fans, liquid cooling solutions, thermal paste
ASSEMBLED_PCS	GAMING_PC	High-performance PCs for gaming
	OFFICE_PC	PCs optimized for office productivity
	WORKSTATION	High-end workstations for professionals
	ALL_IN_ONE	Integrated systems with built-in displays
PERIPHERALS	KEYBOARD	Mechanical and membrane keyboards
	MOUSE	Standard and gaming mice
	MONITOR	Display units with various resolutions
	HEADSET	Audio peripherals including headsets and microphones

Go to Navigation Path: Inventory > Setup > Flexfields > Key > Values.

- Select **Find Values By:** Value Set
- In the **Name** field, search for the **Major Category ValueSet**.
- Click **Find**.

- Now, insert the major categories **Value** name and **Description**.

**Segment Values**

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name:

Dependent Value Set:

Independent Value:

Values (Major\_Category\_Seg1\_ValueSet) ☒

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Figure: Before Major Category Value insertion**

**Segment Values**

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name:

Dependent Value Set:

Independent Value:

Values (Major\_Category\_Seg1\_ValueSet) ☒

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
<input type="checkbox"/> ASSEMBLED_PCS	ASSEMBLED_PCS	Pre-Assembled and ready-to-s	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> COMPONENTS	COMPONENTS	Hardware parts used in PC as	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> General	General	Non-Classification	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/> PERIPHERALS	PERIPHERALS	Accessories like keyboards, r	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Figure: After Major Category Value insertion**

- Return again to ValueSet query window, simply put the mouse selector in the name field, then click on search torch

Segment Values

Value Set ☐ Key Flexfield ☐ Descriptive Flexfield ☐ Concurrent Program ☐

Name Major\_Category\_Seg1\_Valu

Dependent Value Set

Independent Value

- A new window popup. **Search** for the ValueSet of minor category segment. Then, **Select** the independent value to define its child categories

Find Value Set

Find Values By

Value Set ☐ Key Flexfield ☐ Descriptive Flexfield ☐ Concurrent Program ☐

Name Minor\_Category\_Seg2\_ValueSet

Independent Value COMPONENTS

Value

Description

Clear Find

- Enter the values of this minor category that depends on “components” category.

Segment Values

Value Set ☐ Key Flexfield ☐ Descriptive Flexfield ☐ Concurrent Program ☐

Name Major\_Category\_Seg1\_Valu

Dependent Value Set Minor\_Category\_Seg2\_Valu

Independent Value COMPONENTS

Description Hardware parts used in PC assembly

Values (Minor\_Category\_Seg2\_ValueSet) ☒

Values, Effective Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
General	General	General	<input checked="" type="checkbox"/>			
CPU	CPU	Central Processing Units (e.g.	<input checked="" type="checkbox"/>			
MOTHERBOARD	MOTHERBOARD	Mainboards for various socket	<input checked="" type="checkbox"/>			
RAM	RAM	Memory modules (e.g., DDR4	<input checked="" type="checkbox"/>			
STORAGE	STORAGE	SSDs, HDDs, and other stora	<input checked="" type="checkbox"/>			
GPU	GPU	Graphics cards for gaming or	<input checked="" type="checkbox"/>			
POWER_SUPPLY	POWER_SUPPLY	Power Supply Units (PSUs)	<input checked="" type="checkbox"/>			

Define Child Ranges Move Child Ranges View Hierarchies

**Figure: After Minor Category Values insertion under COMPONENTS Parent Category**



Segment Values

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name: Major\_Category\_Seg1\_Val  
 Dependent Value Set: Minor\_Category\_Seg2\_Val  
 Independent Value: ASSEMBLED\_PCS

Pre-Assembled and ready-to-sell PCs

Values (Minor\_Category\_Seg2\_ValueSet)

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From		To		[ ]
ALL_IN_ONE	ALL_IN_ONE	Integrated systems with built-in	<input checked="" type="checkbox"/>					
GAMING_PC	GAMING_PC	High-performance PCs for gaming	<input checked="" type="checkbox"/>					
General	General	General	<input checked="" type="checkbox"/>					
OFFICE_PC	OFFICE_PC	PCs optimized for office productivity	<input checked="" type="checkbox"/>					
WORKSTATION	WORKSTATION	High-end workstations for professional	<input checked="" type="checkbox"/>					
			<input type="checkbox"/>					
			<input type="checkbox"/>					

Define Child Ranges | Move Child Ranges | View Hierarchies

Figure: After Minor Category Values insertion under ASSEMBLED\_PCS Parent Category

Segment Values

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name: Major\_Category\_Seg1\_Val  
 Dependent Value Set: Minor\_Category\_Seg2\_Val  
 Independent Value: PERIPHERALS

Accessories like keyboards, mice, and monitors

Values (Minor\_Category\_Seg2\_ValueSet)

Values, Effective | Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From		To		[ ]
General	General	General	<input checked="" type="checkbox"/>					
KEYBOARD	KEYBOARD	Mechanical and membrane keyboards	<input checked="" type="checkbox"/>					
MOUSE	MOUSE	Standard and gaming mice	<input checked="" type="checkbox"/>					
MONITOR	MONITOR	Display units with various resolutions	<input checked="" type="checkbox"/>					
HEADSET	HEADSET	Audio peripherals including headsets	<input checked="" type="checkbox"/>					
			<input type="checkbox"/>					
			<input type="checkbox"/>					

Define Child Ranges | Move Child Ranges | View Hierarchies

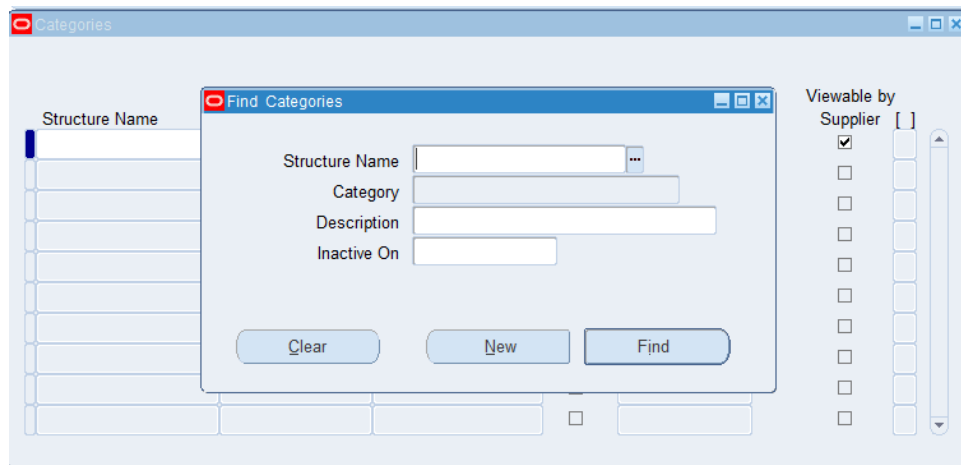
Figure: After Minor Category Values insertion under PERIPHERALS Parent Category

### Thirdly, Define Category Codes

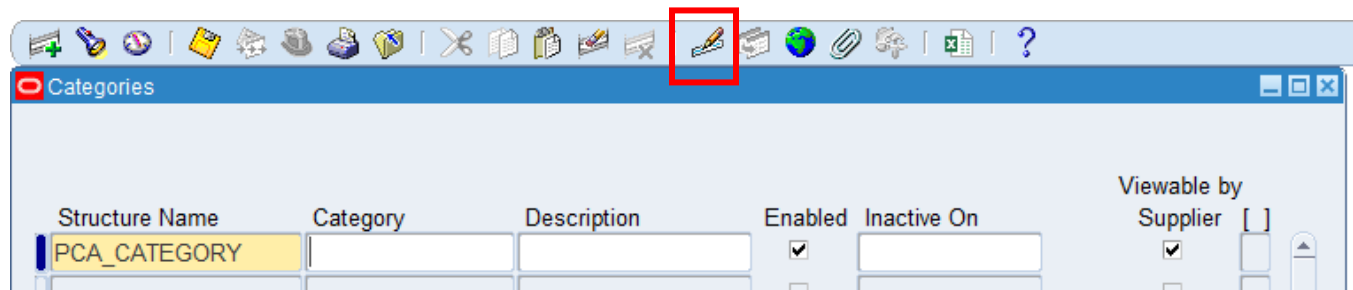
Category Codes are used to organize inventory items into logical groups for better management and reporting. This setup will implement Category Codes for the following:

- **Major Category:** High-level classification of items (e.g., Components, Assembled PCs).
- **Minor Category:** Detailed classification under each Major Category (e.g., CPU, Motherboard).

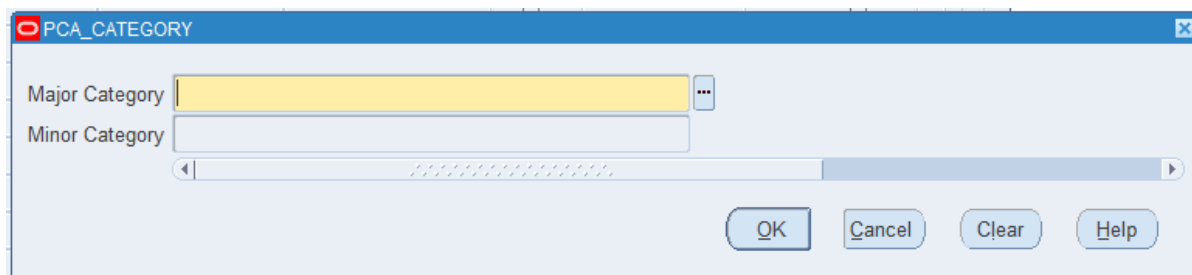
1. Navigate to **Inventory > Setup > Categories > Category Codes**.
2. The **Category Codes** screen will appear.



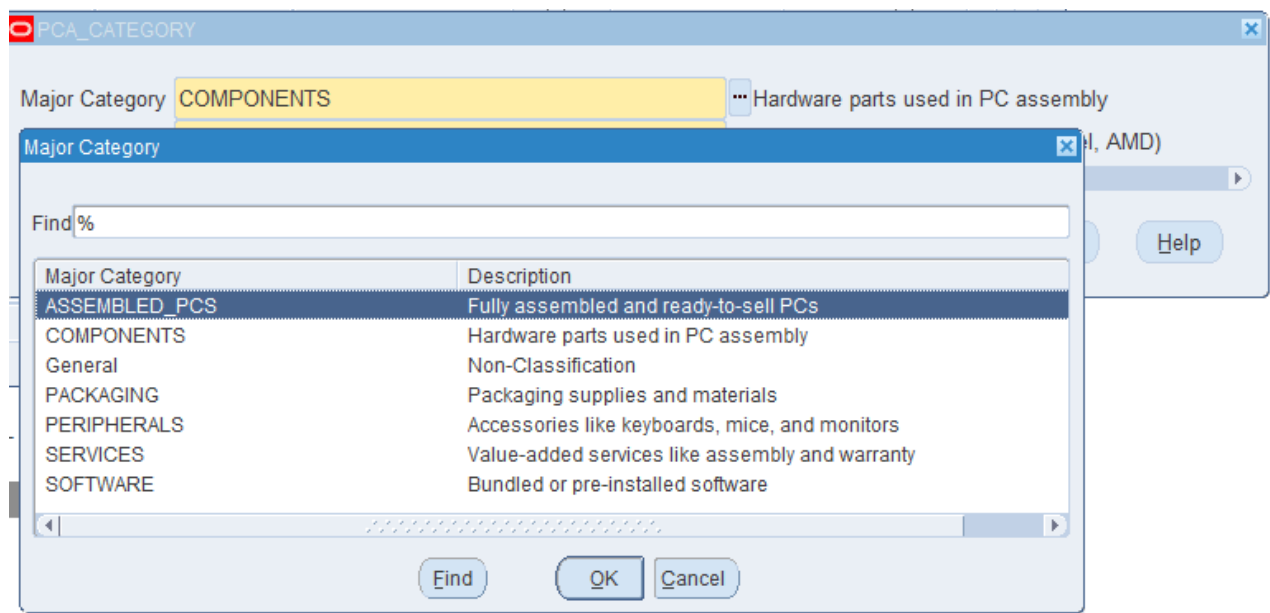
3. **Click on New.**
4. **Enter the Structure Name: PCA\_CATEGORY**
5. **In Category:** Press on Edit field



6. The PCA\_CATEGORY screen appears. Enter the first Category Combination.

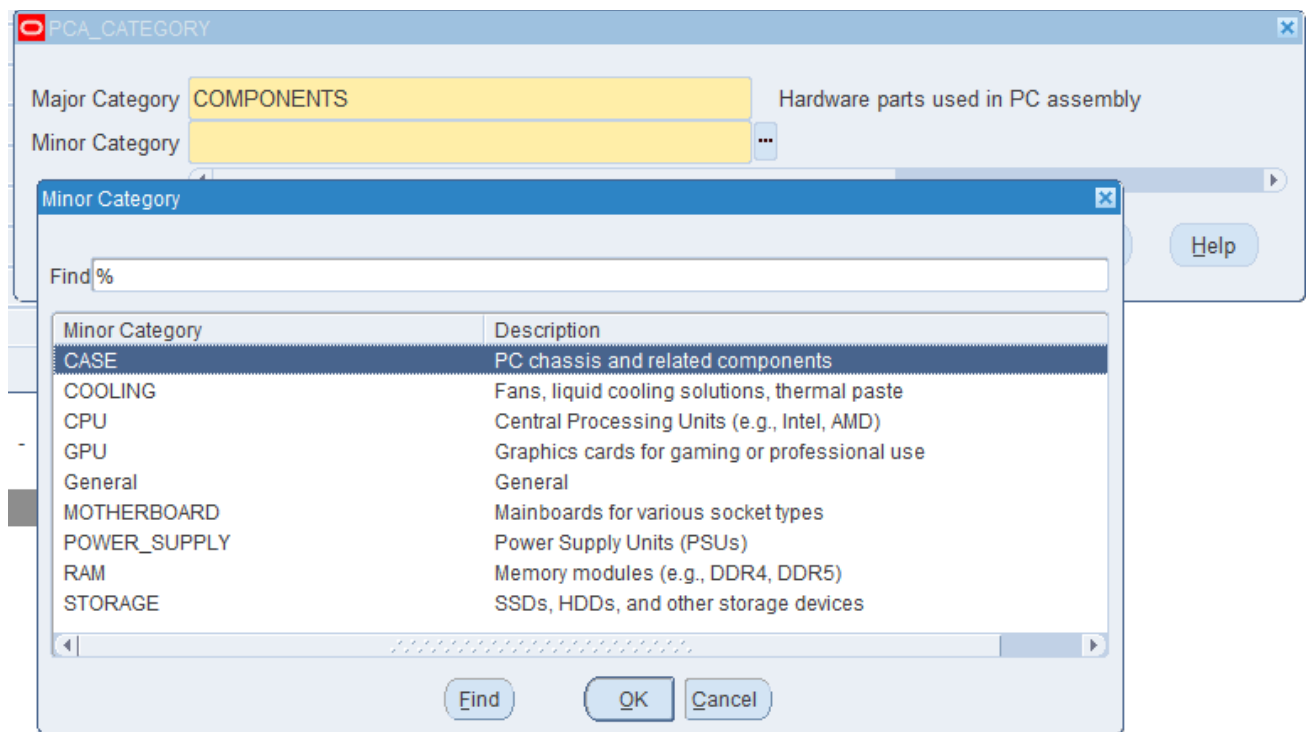


**Major Category:** Select the corresponding Major Category from **MAJOR\_CATEGORY** value set.

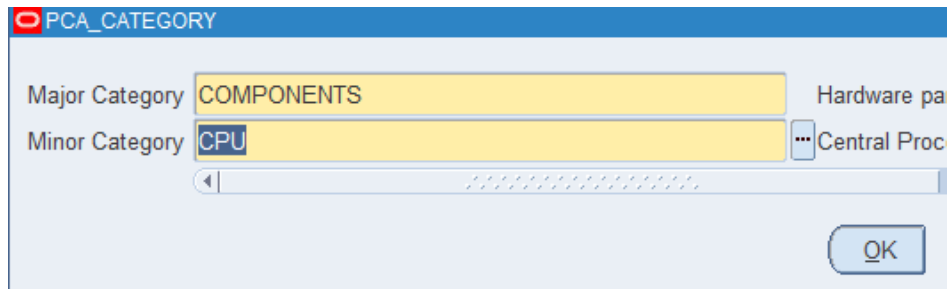


*Figure: from the list of Major Categories, select COMPONENTS.*

**Minor Category:** Select a corresponding Minor Category.

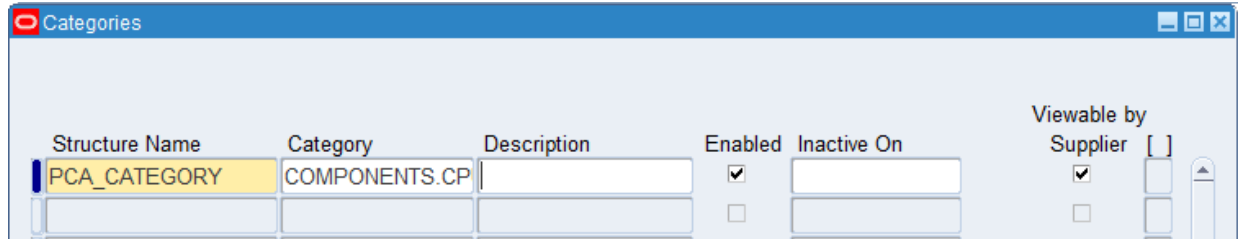


*Figure: from the list of Minor Categories, select CPU.*



The dialog box titled "PCA\_CATEGORY" has two input fields. The "Major Category" field contains the text "COMPONENTS" and is labeled "Hardware pa". The "Minor Category" field contains the text "CPU" and is labeled "Central Proc". There is a scroll bar below the "Minor Category" field. An "OK" button is located at the bottom right.

*Figure: Click OK to define the first Category Combination.*



The "Categories" window displays a table with the following data:

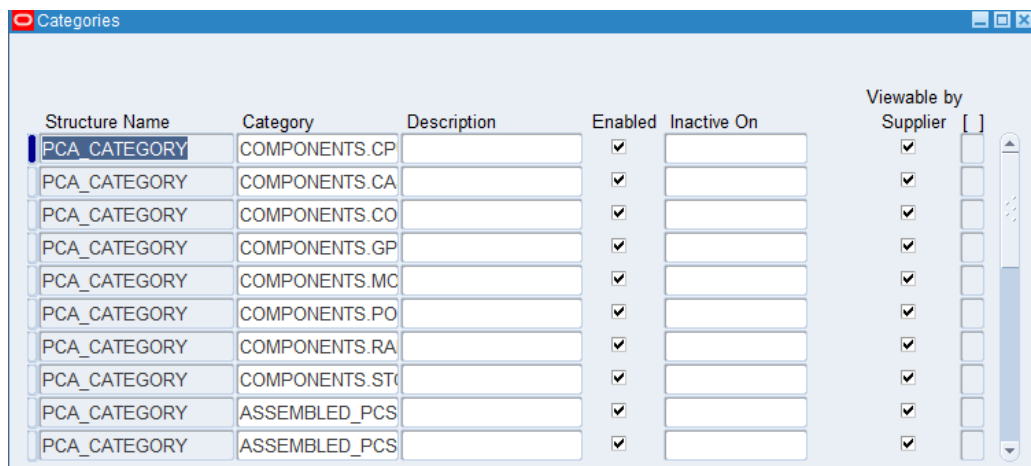
Structure Name	Category	Description	Enabled	Inactive On	Viewable by Supplier
PCA_CATEGORY	COMPONENTS.CP		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
			<input type="checkbox"/>		<input type="checkbox"/>

*Figure: The first Category Combination "COMPONENTS.CPU" is defined.*

7. **Repeat** the above steps for the following Category Combination:

For COMPONENTS	For ASSEMBLED_PCS	For PERIPHERALS
COMPONENTS_MOTHERBOARD	ASSEMBLED_PCS_GAMING_PC	PERIPHERALS_KEYBOARD
COMPONENTS_RAM	ASSEMBLED_PCS_OFFICE_PC	PERIPHERALS_MOUSE
COMPONENTS_STORAGE	ASSEMBLED_PCS_WORKSTATION	PERIPHERALS_MONITOR
COMPONENTS_GPU	ASSEMBLED_PCS_ALL_IN_ONE	PERIPHERALS_HEADSET
COMPONENTS_POWER_SUPPLY		
COMPONENTS_CASE		
COMPONENTS_COOLING		

8. **Save** the Category Codes.



The "Categories" window displays a table with the following data:

Structure Name	Category	Description	Enabled	Inactive On	Viewable by Supplier
PCA_CATEGORY	COMPONENTS.CP		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.CA		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.CO		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.GP		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.MC		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.PO		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.RA		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	COMPONENTS.ST		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	ASSEMBLED_PCS		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
PCA_CATEGORY	ASSEMBLED_PCS		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

*Figure: The Category Combinations is defined.*

## Lastly, Define Category Sets

**Navigation Path:** Inventory > Setup > Items > Categories > Category Sets

### 1. Enter Category Set Details:

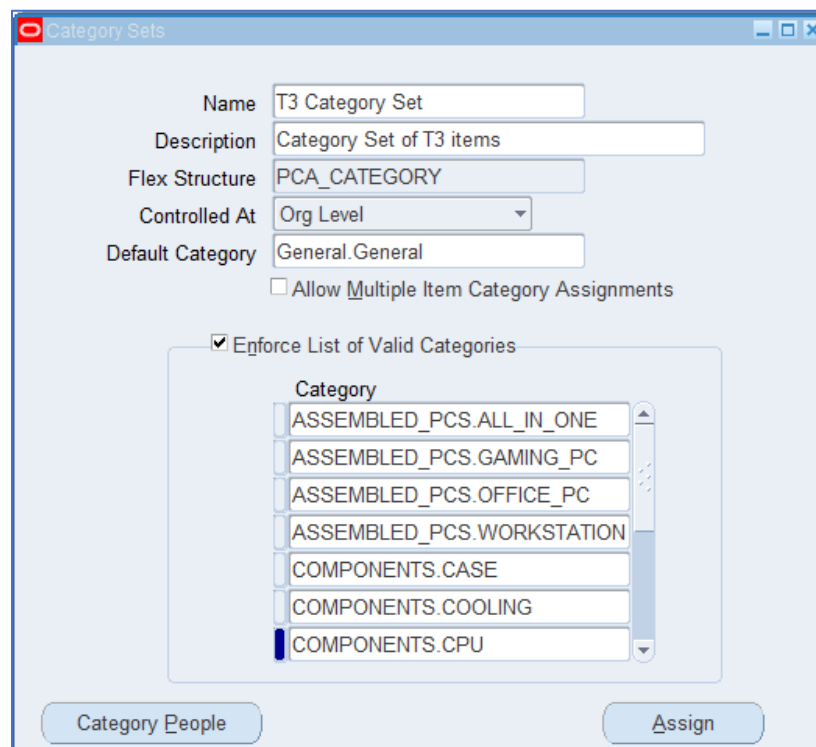
- **Name:** *T3 Category Set*
- **Description:** *Category Set of T3 items*
- **Flex Structure:** *PCA\_CATEGORY*
- **Controlled At:** **Organization Level**
- **Default Category:** *General.General*

### 2. Ensure Single Category Assignment:

- **Uncheck** the option "**Allow Multiple Item Category Assignments**" to ensure that each item can belong to only one category within this set because it may leads to reporting errors.

### 3. Enforce Valid Categories and define the categories combinations

4. Click **Save** to finalize the setup.



The screenshot shows the 'Category Sets' window with the following details:

- Name:** T3 Category Set
- Description:** Category Set of T3 items
- Flex Structure:** PCA\_CATEGORY
- Controlled At:** Org Level
- Default Category:** General.General
- ☐ Allow Multiple Item Category Assignments
- ☒ Enforce List of Valid Categories
- Category List:**
  - ASSEMBLED\_PCS.ALL\_IN\_ONE
  - ASSEMBLED\_PCS.GAMING\_PC
  - ASSEMBLED\_PCS.OFFICE\_PC
  - ASSEMBLED\_PCS.WORKSTATION
  - COMPONENTS.CASE
  - COMPONENTS.COOLING
  - COMPONENTS.CPU
- Buttons:** Category People, Assign

*Note: when trying to set the **Default Category Set** for a functional area (such as Inventory), The error **APP-INV-05115: You must assign all items of this type to the new set first** occurs in Oracle EBS because there are items that are already assigned to another category set. To resolve **APP-INV-05115 Error**, we could update the item category set assignment to the newly defined category set. This can be done using an **SQL query** executed through **Toad** or **Oracle SQL Developer**.*

- **Possible solution in new implementation:** this **APP-INV-05115** error will not happen in a new production system setup if no items or categories are defined.

Section	Task	Purpose	Key Steps
C. Flexfields & Master Data Setup	8. Define Unit of Measure (UOM) Setup	Standardize measurement units and conversions.	<ul style="list-style-type: none"> <li>- Create UOM classes (e.g., Weight, Volume, Quantity).</li> <li>- Define base and derived units with conversion rates.</li> </ul>

## Step 1: Verify/Create UOM Classes

### Purpose:

Ensure that UOM classes exist to categorize UOMs by type. For a distributor dealing with discrete items (like keyboards, cables, etc.), a class such as **Quantity** is ideal.

### Steps:

1. **Navigate:**
  - o **Responsibility:** Inventory
  - o **Path:** Setup > Units of Measure > Classes
2. **Verify Existing Classes:**
  - o Look for the **Quantity** class (commonly predefined for discrete items).
  - o **If Missing, Create a New Class:**
    - **UOM Class Name:** Quantity
    - **Base Unit:** EA (Each)
    - **Description:** For tracking discrete items (e.g., keyboards, cables).
3. **Save** your changes.

	Name	Description	Base Unit	UOM	Inactive On	
<input checked="" type="checkbox"/>	Quantity	Quantity	Each	Ea		
<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"/>						

## Step 2: Define Base and Derived UOMs

### Purpose:

Create the necessary UOMs under the **Quantity** class. For a computer hardware distributor, typical units might include Each, Box , and Case.

### Steps:

1. **Navigate:**
  - **Path:** Setup > Units of Measure > Units
2. **Define UOMs:**
  - **Each (EA) – Base UOM:**

The screenshot shows the 'Units of Measure' window with the following data:

Name	UOM	Description	Base Unit	Class	Inactive On
Each	Ea	Each	<input checked="" type="checkbox"/>	Quantity	

- **Box of 5 (BX5):**
  - **Conversion Rate:** Enter 5 (1 Box = 5 EA).

The screenshot shows two windows. The top window, 'Units of Measure', has the following data:

Name	UOM	Description	Base Unit	Class	Inactive On
Box of 5	BX5	Box of 5	<input type="checkbox"/>	Quantity	

The bottom window, 'Unit of Measure Conversions - Box of 5, Quantity', shows the conversion rate:

Unit	Class	= Conversion	x Base Unit	Inactive On
Box of 5	Quantity	5	Each	

At the bottom of the conversion window, a summary line reads: 1 Box of 5 = 5 x Each

- **Case of 50 (C50):**
  - **Conversion Rate:** Enter 50 (1 Case = 50 EA or equivalent to 10 Boxes).

The screenshot displays two windows from a software application. The top window, titled 'Units of Measure', contains a table with columns: Name, UOM, Description, Base Unit, Class, and Inactive On. The first row is populated with 'Case of 50', 'C50', 'Case of 50', an empty checkbox, 'Quantity', and an empty field. The bottom window, titled 'Unit of Measure Conversions - Case of 50, Quantity', has three tabs: 'Standard', 'Intra-class', and 'Inter-class'. The 'Standard' tab is active, showing a table with columns: Unit, Class, = Conversion, X Base Unit, and Inactive On. The first row shows 'Case of 50' converted to 'Each' with a conversion factor of 50. Below the table, a summary line reads: 1 Case of 50 = 50 x Each.

Name	UOM	Description	Base Unit	Class	Inactive On
Case of 50	C50	Case of 50	<input type="checkbox"/>	Quantity	<input type="text"/>

Unit	Class	= Conversion	X Base Unit	Inactive On
Case of 50	Quantity	50	Each	<input type="text"/>

1 Case of 50 = 50 x Each

3. **Save** each UOM after entering the details.



Section	Task	Purpose	Key Steps
C. Flexfields & Master Data Setup	9. Define Item Attributes & Templates	Establish item behaviors and simplify bulk item creation.	<ul style="list-style-type: none"> <li>- Define item attributes at master and organization levels.</li> <li>- Create item templates to pre-populate common attribute values.</li> <li>- Define item Status Codes to classify items as active or in hold for transactions</li> </ul>

**Firstly**, Define item attributes at master and organization levels:

In this setup—with only one transactional inventory organization ([T3])—core item attributes are managed at the Master level, offering:

1. **Single Source of Truth:**
  - Core attributes (Primary UOM, Description, Conversion Factors) are defined centrally.
  - [T3] automatically inherits all Master-level defaults, ensuring consistency in UOM, cost, and planning.
2. **Simplified Change Management:**
  - Centralized review and updates mean changes apply directly to [T3] without additional adjustments.
  - Future updates require no organization-level overrides.

The screenshot shows the 'Item Attribute Controls' window. It contains two main sections: a table of attributes and a section for status attributes.

Group Name	Attribute Name	Controlled At
Main	Pricing UOM Indicator	Master Level
Main	Defaulting Control	Master Level
Main	Secondary Unit of Measure	Master Level
Main	Deviation Factor +	Master Level
Main	Deviation Factor -	Master Level
Inventory	Inventory Item	Master Level
Inventory	Revision Control	Org Level
Inventory	Lot Control	Org Level
Inventory	Starting Lot Number	Org Level
Inventory	Starting Lot Prefix	Org Level

**Status Attributes**

Group Name	Attribute Name	Controlled At	Status Setting
Inventory	Stockable	Master Level	Defaults Value
Inventory	Transactable	Master Level	Defaults Value
Bills of Material	BOM Allowed	Master Level	Defaults Value
Purchasing	Purchasable	Master Level	Defaults Value

**Secondly**, define item templates to pre-populate common attribute values:

1. Go to **Inventory > Setup > Items > Templates**.
2. Click on **New** button.
3. Input the following item template attributes:
  - **Template name:** Core Attributes Template

#### Selected Attributes for Core Attributes Template

Attribute Name	Value/Setting	Description
Item Status	Active	Item is active and available for transactions
Item Type	Inventory Item	Standard inventory item
Unit of Measure	Each	Default UOM for standard items
Inventory Item	Yes	Item is tracked in inventory
Stockable	Yes	Item is stockable
Transactable	Yes	Item can be issued or received
Reservable	Yes	Item can be reserved for sales orders
Asset Item	Yes	Considered as an asset in financial reporting
Purchasable	Yes	Item can be procured
Costing Enabled	Yes	Costing enabled to calculate configuration cost
Customer Order Enabled	Yes	Available for customer orders
Shippable Item	Yes	Shipped as a complete assembled product

4. Save the template.

The screenshot shows the 'Item Template (T3)' window. At the top, the 'Template' field is set to 'Core Attributes Template' and the 'Description' field is also 'Core Attributes Template'. Below these, there are fields for 'Organization' and a 'Show:' dropdown set to 'All Groups'. The main part of the window is a table with columns: 'Attribute Name', 'Controlled At', 'Value', and 'Enabled'. The 'Enabled' column has checkboxes. The attributes listed are: User Item Type, Item Status (set to 'Active Item'), Primary Unit of Measure (set to 'Each'), Conversions, Description, Global Descriptive Flexfield, Tracking UOM Indicator, Pricing UOM Indicator, Defaulting Control, and Secondary Unit of Measure. The 'Enabled' checkboxes for Item Status, Primary Unit of Measure, and Secondary Unit of Measure are checked.

Attribute Name	Controlled At	Value	Enabled
User Item Type	Master		<input type="checkbox"/>
Item Status	Master	Active Item	<input checked="" type="checkbox"/>
Primary Unit of Measure	Master	Each	<input checked="" type="checkbox"/>
Conversions	Master		<input type="checkbox"/>
Description	Master		<input type="checkbox"/>
Global Descriptive Flexfield	Org		<input type="checkbox"/>
Tracking UOM Indicator	Master		<input type="checkbox"/>
Pricing UOM Indicator	Master		<input type="checkbox"/>
Defaulting Control	Master		<input type="checkbox"/>
Secondary Unit of Measure	Master		<input checked="" type="checkbox"/>

**Lastly**, define item Status Codes to classify items as active or in hold for transactions:

Item Status codes control the allowed actions on an item, such as purchasing, shipping, or updating attributes. This Setup Task we are verifying whether **Active** and **Hold (Inactive)** statuses already exist in the system.

### Step 1: Navigate to the Item Status Form

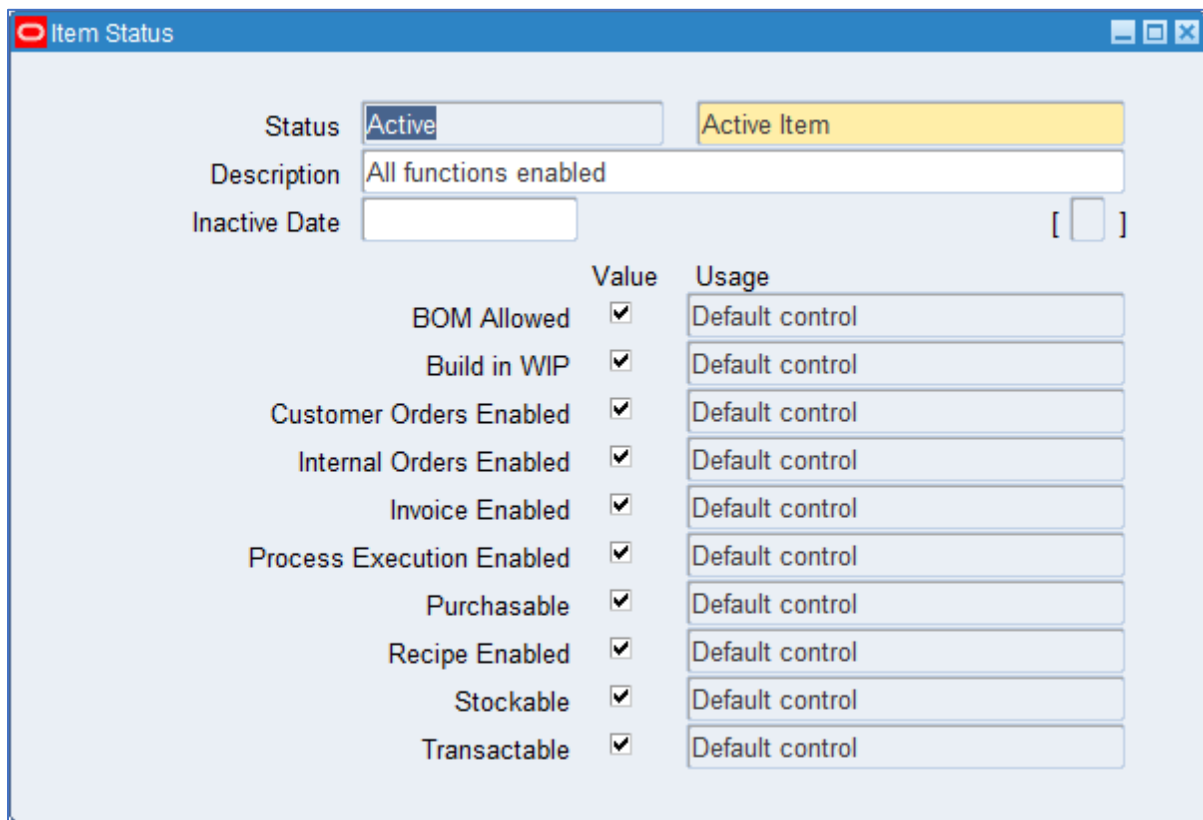
1. Login to **Oracle EBS R12**.
2. Go to **Inventory Responsibility** → Setup → Items → **Status Codes**.

### Step 2: Query Existing Item Status Codes

1. In the **Find Item Status Codes** window, leave fields blank and click **Find** to display all statuses.
2. Alternatively, enter:
  - **Status Code**: Active or Inactive
  - Click **Find** to check if it exists.

### Step 3: Review Status Code Details

1. If the **ACTIVE** or **HOLD** status appears, check its settings:
  - Ensure the correct **Description** is assigned.
  - Review which checkboxes (e.g., Purchasable, Transactable, Stockable) are enabled/disabled.
2. If changes are needed, update the settings and click **Save (Ctrl+S)**.



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

Item Status

StatusInactiveInactive

DescriptionAll functions disabled

Inactive Date[ ]

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

Section	Task	Purpose	Key Steps
C. Flexfields & Master Data Setup	10. Define Stock Locator Key Flexfield	Enable detailed tracking of inventory.	- Design a locator hierarchy matching the facility layout.

**Firstly**, define Stock Locator Key Flexfield segments:

1. Navigate to **Inventory > Setup > Flexfields > Key > Segments**.
2. Search for **"Stock Locators"** and open the definition.
3. Unfreeze the Flexfield.

Key Flexfield Segments

Application: Inventory Flexfield Title: Stock Locators

Code	Title	Description	View Name
STOCK_LOCATORS	Stock Locators	Stock Locators	Stock Locators

☐ Freeze Flexfield Definition
 ☒ Enabled
 Segment Separator: Period (.)
 ☐ Cross-Validate Segments
 ☐ Freeze Rollup Groups
 ☒ Allow Dynamic Inserts

Compile Segments

4. Define segments for warehouse organization:

Segment Name	Description	Value Set Type	Example Values
<b>Aisle</b>	Identifies the aisle where inventory is stored	Independent	A1, A2, B1, B2, C1
<b>Rack</b>	Defines the rack within the aisle	Independent	R1, R2, R3, R4
<b>Bin</b>	Specifies the exact bin/shelf within the rack	Dependent	01, 02, 03, 04

Segments Summary (Stock Locators) - Stock Locators

Number	Name	Window Prompt	Column	Value Set	Enabled	Updatable
10	Aisle	Aisle	SEGMENT1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Rack	Rack	SEGMENT2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30	Bin	Bin	SEGMENT3		<input checked="" type="checkbox"/>	<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"/>
					<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"/>

Value Set Flexfield Qualifiers New Open

5. Define a **Value Sets** for each segment:

- **Value set of Aisle Segment:**

Value Sets

Value Set Name: Aisle (Independent Value Set) Usages

Description: Aisle (Independent Value Set)

List Type: List of Values Security Type: No Security

Format Validation

Format Type: Char Maximum Size: 5 Precision:

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value: Max Value:

Value Validation

Validation Type: Independent Edit Information

Figure: Definition of Value set for the first segment (Aisle)

Segments Summary (Stock Locators) - Stock Locators						
Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled Updatable
10	Aisle	Aisle	SEGMENT1	Aisle (Independent Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Rack	Rack	SEGMENT2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*Figure: Assign the defined value set to its segment*

▪ **Value set of Rack Segment:**

**Value Sets**

Value Set Name: Rack (Independent Value Set) Usages

Description: Rack (Independent Value Set)

List Type: List of Values Security Type: No Security

**Format Validation**

Format Type: Char Maximum Size: 3 Precision:

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value:  Max Value:

**Value Validation**

Validation Type: Independent Edit Information

*Figure: Definition of Value set for the second segment (Rack)*

Segments Summary (Stock Locators) - Stock Locators						
Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled Updatable
10	Aisle	Aisle	SEGMENT1	Aisle (Independent Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Rack	Rack	SEGMENT2	Rack (Independent Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30	Bin	Bin	SEGMENT3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

*Figure: Assign the defined value set to its segment*

- Value set of Bin Segment:

**Value Sets**

Value Set Name: Bin\_Dependent Value Set

Description: Bin\_Dependent Value Set

List Type: List of Values

Security Type: Non-Hierarchical Security

**Format Validation**

Format Type: Char

Maximum Size: 3

Precision:

☐ Numbers Only (0-9)

☐ Uppercase Only (A-Z)

☐ Right-justify and Zero-fill Numbers (0001)

Min Value:

Max Value:

**Value Validation**

Validation Type: Dependent

Edit Information

*Figure: Definition of Value set for the third segment (Bin)*

**Dependent Value Set Information**

**Independent Value Set**

Name: Rack (Independent Value Set)

Description: Rack (Independent Value Set)

**Dependent Default Value**

Value: 001

Description: 001

*Figure: link the Bin value set to the independent value set*



Segments Summary (Stock Locators) - Stock Locators						
Number	Name	Window Prompt	Column	Value Set	Displayed	Enabled Updatable
10	Aisle	Aisle	SEGMENT1	Aisle (Independent Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Rack	Rack	SEGMENT2	Rack (Independent Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
30	Bin	Bin	SEGMENT3	Bin Dependent Value S...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>

**Figure: Assign the defined value set to its segment**

- Freeze and compile the flexfield.

Key Flexfield Segments

Application: Inventory Flexfield Title: Stock Locators

Structures

Code	Title	Description	View Name
STOCK_LOCATORS	Stock Locators	Stock Locators	Stock Locators

☒ Freeze Flexfield Definition ☒ Enabled Segment Separator: Period ( . ) ☐ Cross-Validate Segments ☐ Freeze Rollup Groups ☒ Allow Dynamic Inserts

**Figure: Freeze the Flexfield and Compile**

Note

The flexfield was compiled successfully.  
Submitted request to generate flexfield view Stock Locators

**Figure: Done Successfully**

**Secondly**, Define Flexfield Values (For Stock Locator Key Flexfield: Aisle, Rack, Bin)

## 1. Define aisle values

1. Navigate to **Inventory > Setup > Flexfields > Key > Values**.
2. In the **Find Values By** field, select **Value Set**.
3. Search for the **Aisle Value Set**.
4. Click **Find** to open the value entry screen.
5. Click **New (A)** and enter the following values:

Value	Description
A01	Aisle 01
A02	Aisle 02
A03	Aisle 03

6. Click **Save (Ctrl + S)**.

Value	Translated Value	Description	Enabled	From	To	[ ]
A01	A01	Aisle 01	<input checked="" type="checkbox"/>			
A02	A02	Aisle 02	<input checked="" type="checkbox"/>			
A03	A03	Aisle 03	<input checked="" type="checkbox"/>			

## 2. Define Rack Values

1. In the **Find Values By** field, search for **Rack Value Set**.
2. Click **Find**.
3. Click **New (A)** and enter the following values:

Value	Description
1	Rack 01
2	Rack 02
3	Rack 03
4	Rack 04

4. Click **Save (Ctrl + S)**.

**Segment Values**

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name: Rack (Independent Value S | Rack (Independent Value Set)

Dependent Value Set: |

Independent Value: |

Values (Rack (Independent Value Set))

☒ Values, Effective
 ☐ Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
1	1	Rack 1	<input checked="" type="checkbox"/>			
2	2	Rack 2	<input checked="" type="checkbox"/>			
3	3	Rack 2	<input checked="" type="checkbox"/>			
4	4	Rack 4	<input checked="" type="checkbox"/>			

### 3. Define Bin Values

1. In the **Find Values By** field, search for **Bin Value Set**.
2. Click **Find**.
3. Click **New (A)** and enter the following values:

Value	Description	Parent Value (Rack)
001	001	Rack 1

4. Click **Save (Ctrl + S)**.

**Segment Values**

☒ Value Set
 ☐ Key Flexfield
 ☐ Descriptive Flexfield
 ☐ Concurrent Program

Name: Rack (Independent Value S | Rack (Independent Value Set)

Dependent Value Set: Bin\_Dependent Value Set | Bin\_Dependent Value Set

Independent Value: 1 | Rack 1

Values (Bin\_Dependent Value Set)

☒ Values, Effective
 ☐ Values, Hierarchy, Qualifiers

Value	Translated Value	Description	Enabled	From	To	[ ]
001	001	001	<input checked="" type="checkbox"/>			

Section	Task	Purpose	Key Steps
D. Subinventory & Locator Design	11. Define Subinventories	Create storage areas within an inventory organization.	- Create subinventories with unique names. - Configure locator control options.

Let's Define Sub-inventories Within T3 Inv. Org:

1. Navigate to **Inventory > Setup > Organizations > Subinventories**.
2. Subinventories summary window popups. Click on **New** to define the warehouses.

Subinventories Summary (PCA)

Name	Description	Status	Default Cost Group
		Active	CG-90529

Item / Subinventory    Locators    **New**    Open

3. Create the following subinventories under **T3 Inv Org**:
  - o **Main Warehouse** (Subinventory ID: MW)
  - o **Receiving Area** (Subinventory ID: RA)
  - o **Stage Area** (Subinventory ID: SA)
  - o **Moving Vehicle 1** (Subinventory ID: MV1)
  - o **Moving Vehicle 2** (Subinventory ID: MV2)
  - o **Moving Vehicle 3** (Subinventory ID: MV3)

For each Subinventory:- Enter the required data

4. Save each subinventory.

The screenshot shows the 'Subinventories (T3)' window. The 'Name' field is 'MW' and the 'Status' is 'Active'. The 'Description' is 'Main Warehouse', 'Default Cost Group' is 'CG-90529', and 'Type' is 'Storage'. The 'Main' tab is selected. Under 'Parameters', the 'Status Attributes' section has checkboxes for 'Include in ATP', 'Allow Reservation', 'Nettable', 'Quantity Tracked', and 'Asset Subinventory', all of which are checked. The 'Locator Control' is set to 'Dynamic entry', 'Default Locator Status' is 'Active', 'Picking Order' is empty, 'Dropping Order' is empty, 'Inactive On' is empty, 'Notify' is empty, 'Location' is empty, 'Picking UOM' is empty, 'Default Replenishment' is 'Order Quantity', and 'Count Type' is 'Order Quantity'.

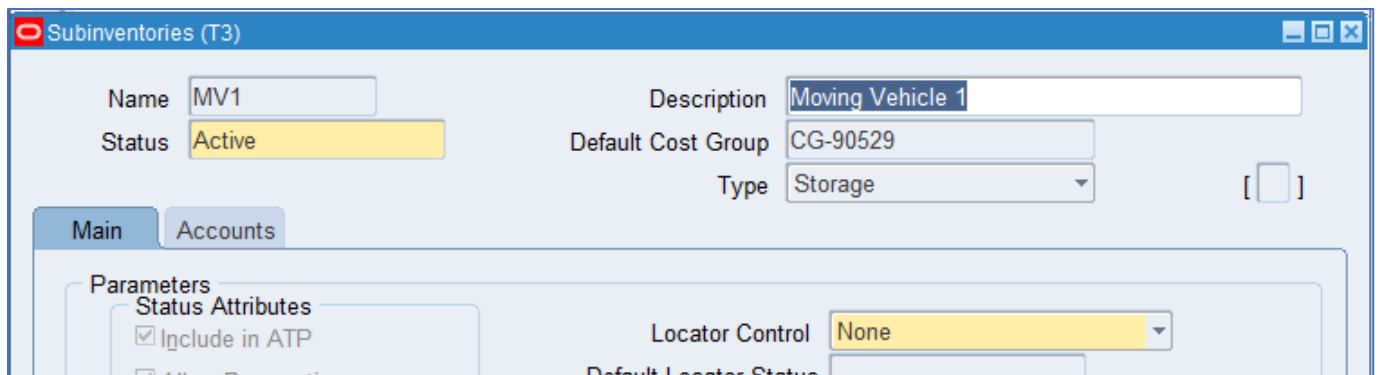
Figure: **Main Warehouse Setup**

The screenshot shows the 'Subinventories (T3)' window. The 'Name' field is 'RA' and the 'Status' is 'Active'. The 'Description' is 'Receiving Area', 'Default Cost Group' is 'CG-90529', and 'Type' is 'Storage'. The 'Main' tab is selected. Under 'Parameters', the 'Status Attributes' section has checkboxes for 'Include in ATP' and 'Allow Reservation', both of which are checked. The 'Locator Control' is set to 'None', 'Default Locator Status' is empty, 'Picking Order' is empty, 'Dropping Order' is empty, 'Inactive On' is empty, 'Notify' is empty, 'Location' is empty, 'Picking UOM' is empty, 'Default Replenishment' is empty, and 'Count Type' is empty.

Figure: **Receiving Area Setup**

The screenshot shows the 'Subinventories (T3)' window. The 'Name' field is 'SA' and the 'Status' is 'Active'. The 'Description' is 'Stage Area', 'Default Cost Group' is 'CG-90529', and 'Type' is 'Storage'. The 'Main' tab is selected. Under 'Parameters', the 'Status Attributes' section has checkboxes for 'Include in ATP' and 'Allow Reservation', both of which are checked. The 'Locator Control' is set to 'None', 'Default Locator Status' is empty, 'Picking Order' is empty, 'Dropping Order' is empty, 'Inactive On' is empty, 'Notify' is empty, 'Location' is empty, 'Picking UOM' is empty, 'Default Replenishment' is empty, and 'Count Type' is empty.

Figure: **Stage Area Setup**



Subinventories (T3)

Name: MV1 Description: Moving Vehicle 1

Status: Active Default Cost Group: CG-90529

Type: Storage [ ]

Main Accounts

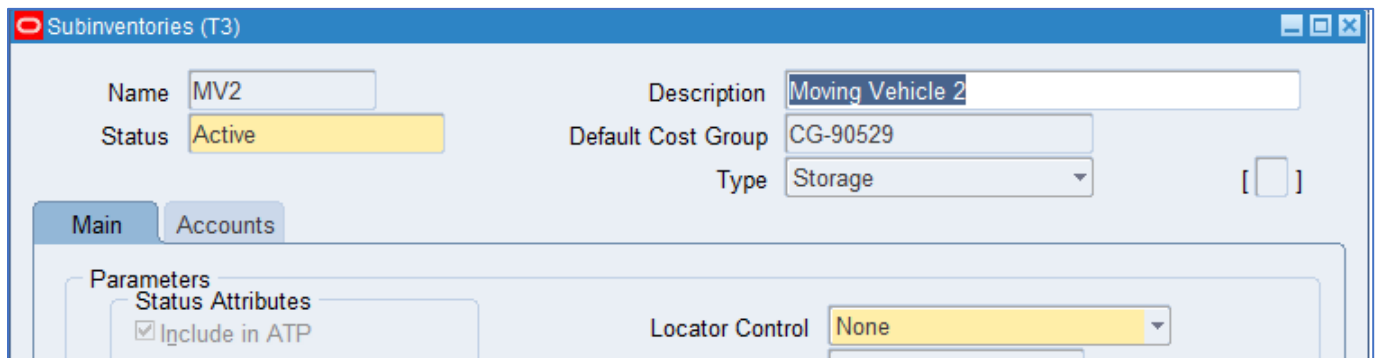
Parameters

Status Attributes

☒ Include in ATP

Locator Control: None

Figure: Moving Vehicle 1 Setup



Subinventories (T3)

Name: MV2 Description: Moving Vehicle 2

Status: Active Default Cost Group: CG-90529

Type: Storage [ ]

Main Accounts

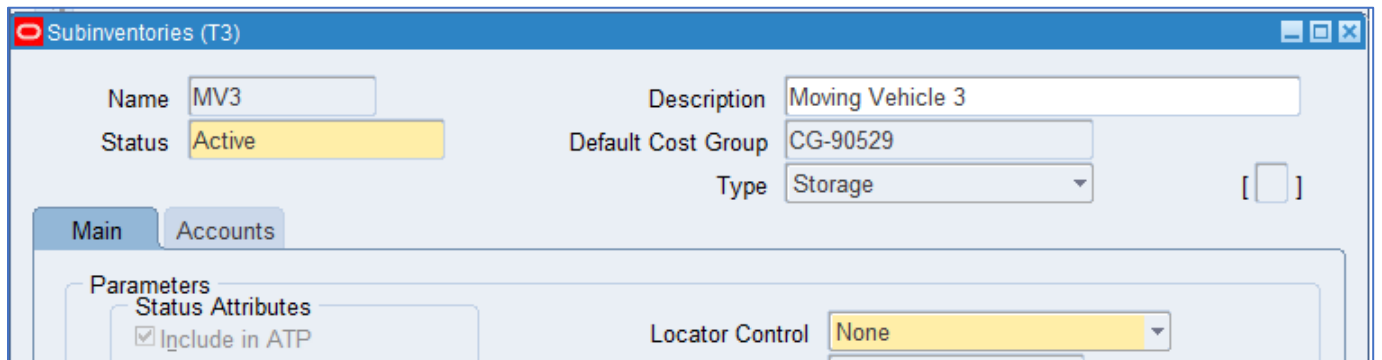
Parameters

Status Attributes

☒ Include in ATP

Locator Control: None

Figure: Moving Vehicle 2 Setup



Subinventories (T3)

Name: MV3 Description: Moving Vehicle 3

Status: Active Default Cost Group: CG-90529

Type: Storage [ ]

Main Accounts

Parameters

Status Attributes

☒ Include in ATP

Locator Control: None

Figure: Moving Vehicle 3 Setup

Section	Task	Purpose	Key Steps
D. Subinventory & Locator Design	12. Define Stock Locators	Enable detailed tracking of inventory.	- Assign locators to appropriate subinventories.

Let's define Stock Locators combinations at the main warehouse:

1. Navigate to **Inventory > Setup > Organizations > Stock Locators**.
2. Try to create a **New Stock Locator** using the defined **Aisle, Rack, and Bin** values.
3. Ensure that the **values appear in the dropdown lists** correctly.
4. Save the new locator and verify successful creation.

**Stock Locators (PCA)**

Parameters | Capacity | Dimensions | Coordinates

Locator	Description	Status	Subinventory
[...]			

**Firstly, Click Here to define the stock locator combination**

**Secondly, Click Here to assign this stock locator to Specific Subinventory**

**Stock Locators (T3)**

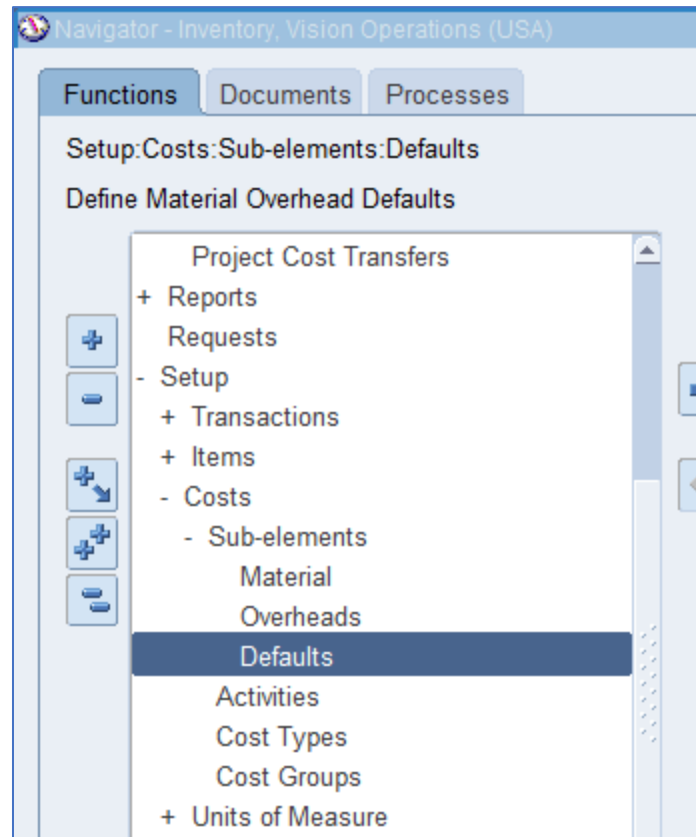
Parameters | Capacity | Dimensions | Coordinates

Locator	Description	Subinventory	Picking Order
A01.1.001		MW	
A01.2.001		MW	
A02.1.001		MW	

*Figure: Stock Locator Combination Successfully defined*

Section	Task	Purpose	Key Steps
E. Costing & Accounting Setup	13. Define Cost Types and Elements.	Establish how item costs are tracked and updated.	<ul style="list-style-type: none"> <li>- Create and configure cost types and Elements.</li> <li>- Assign cost types to inventory organizations and populate initial item costs.</li> </ul>

- Navigation path: Inventory Responsibility – Setup – Costs Menu



- Review Cost Group valuation accounts: CG-99528

Cost Groups (T3)

Cost Group: CG-99528 Type: Inventory

Description:

Inactive On:

☐ Multi-Org

Accounts

	Valuation	Payback Variance
Material	01-000-1410-0000-000	
Material Overhead	01-000-1420-0000-000	
Resource	01-000-1440-0000-000	
Outside Processing	01-000-1450-0000-000	
Overhead	01-000-1430-0000-000	
Expense	01-000-7530-0000-000	
Cost Variance	01-000-5315-0000-000	
Encumbrance		
PPV		



- Review Predefined Cost Type: **AvgRates**

Cost Types (T3)

Cost Type: AvgRates

Description: Resource & Overhead Rates used under Average Costing when actuals are not available

Default Cost Type: Average

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

- Define Material Cost Sub-Element:

Material Subelements (T3)

Defaults | Expenditure Type

Material	Description	Default Activity	Default Basis	Inactive On	[ ]
Material	Material Cost		Item		

- Define Material Overhead Cost Sub-Element:

The 'Overheads (T3)' window displays the following configuration for a Material Overhead Cost Sub-Element:

- Overhead:** Handling
- Cost Element:** Material Overhead
- Description:** Material Handling
- Absorption Account:** 01-000-1420-0000-000
- Default Basis:** Total Value
- Default Activity:** (Empty field)
- Expenditure Type:** (Empty field)
- Inactive On:** (Empty field)

Buttons at the bottom: Resources, Rates

- Define material overhead default rate at the organization level:

The 'Material Overhead Defaults (T3)' window shows the default rate for the Handling overhead at the organization level.

**Level:** Organization (selected), Category (unselected). Find button.

**Default Rate or Amount:** Cost (selected), Activity (unselected).

Material Overhead	Item Type	Activity	Basis	Rate or Amount
Handling	All items		Total Value	.1

Section	Task	Purpose	Key Steps
E. Costing & Accounting Setup	14. Define Account Aliases	to facilitate transactions mapping to proper accounts	-Define a new Shorthand Aliase

- Go to **Navigation Path:** Inventory > Setup > Flexfields > Key > Aliase.
- Search for *Flexfield:* ‘Operations Accounting Flex’. Then, Select it.
- Add a new Shorthand Aliase named “PCA\_Stock”.

**Shorthand Aliases**

Application: General Ledger      Flexfield Title: Accounting Flexfield  
 Structure: Operations Accounting Flex      Description: Vision Operations Accounting Flexfield

Shorthand  
☒ Enabled      Max Alias Size: 20      Prompt: Account Alias

Aliases, Descriptions      Aliases, Effective

Alias	Template	Alias Description
Essam	01-110-1120-2139-250	Essam Creation
Liability	01-110-2210-0000-000	Accounts Payable -Liability account
Noseur	01-110-1110-0000-000	Noseur Money Money
PCA_Stock	01-000-1410-0000-000	T3 Company Account Aliase

Section	Task	Purpose	Key Steps
E. Costing & Accounting Setup	15. Open Accounting Periods	Allow transactions to be posted within valid periods.	<ul style="list-style-type: none"> <li>- Open required periods in Inventory.</li> <li>- Close periods post-reconciliation.</li> </ul>

Step 1: Navigate to: *Inventory Responsibility* → *Accounting Close Cycle* → *Inventory Accounting Periods*

Step 2: Check Period Status up to May-2025

Step 3: Open the Period

The screenshot shows the 'Inventory Accounting Periods (T3)' window. It contains a table with the following data:

Status	Period	Num	Year	From	To	Close Date
Future	Oct-25	10	2025	01-OCT-2025	31-OCT-2025	
Future	Sep-25	9	2025	01-SEP-2025	30-SEP-2025	
Future	Agu-25	8	2025	01-AUG-2025	31-AUG-2025	
Future	Jul-25	7	2025	01-JUL-2025	31-JUL-2025	
Future	Jan-25	6	2025	01-JUN-2025	30-JUN-2025	
Future	May-25	5	2025	01-MAY-2025	31-MAY-2025	
Future	Apr-25	4	2025	01-APR-2025	30-APR-2025	
Future	Mar-25	3	2025	01-MAR-2025	31-MAR-2025	
Open	FEB-25	2	2025	01-FEB-2025	28-FEB-2025	
Open	Jan-25	1	2025	01-JAN-2025	31-JAN-2025	

A 'Caution' dialog box is open over the 'Mar-25' row, asking 'Open this period?' with 'OK' and 'Cancel' buttons.

Step 4: Verify & Save Changes

The screenshot shows the 'Inventory Accounting Periods (T3)' window after saving changes. The 'Mar-25' period is now marked as 'Open'.

Status	Period	Num	Year	From	To	Close Date
Future	Oct-25	10	2025	01-OCT-2025	31-OCT-2025	
Future	Sep-25	9	2025	01-SEP-2025	30-SEP-2025	
Future	Agu-25	8	2025	01-AUG-2025	31-AUG-2025	
Future	Jul-25	7	2025	01-JUL-2025	31-JUL-2025	
Future	Jan-25	6	2025	01-JUN-2025	30-JUN-2025	
Open	May-25	5	2025	01-MAY-2025	31-MAY-2025	
Open	Apr-25	4	2025	01-APR-2025	30-APR-2025	
Open	Mar-25	3	2025	01-MAR-2025	31-MAR-2025	
Open	FEB-25	2	2025	01-FEB-2025	28-FEB-2025	
Open	Jan-25	1	2025	01-JAN-2025	31-JAN-2025	

Section	Task	Purpose	Key Steps
F. Custom Transaction Handling & Source-Specific Customizations	16. Configure Custom Transaction Types & Implement Custom Validations	-Enforce business rules based on warehouse operations. -Prevent invalid item issues.	- Create custom transaction types. - Configure rules to regulate inventory transactions and ensure stock accuracy.

## 1. Business Requirements

T3's current inventory management processes require control in the following key areas:

- **Restriction of Specific Transactions:** The ability to restrict certain transaction types based on the specific inventory function being performed. For example, limiting the use of physical count adjustments, donations, sample issues, and temporary transactions to authorized personnel and specific scenarios.
- **Control of Internal Stock Movement:** Improved control over internal stock movements within the Main Warehouse, specifically between its locators. This includes validation of locators and restricting access to authorized users.
- **Approval-Based Inventory Transactions:** Implementation of approval workflows for specific inventory transactions, such as subinventory transfers, to ensure proper authorization and audit trails. This necessitates the ability to validate source documents related to these transactions.

## 2. Proposed Solution: Implementing Custom Transaction Types and Material Status Control

To address these requirements, we propose the following solution within Oracle EBS R12:

- **Custom Transaction Type Definitions:** We will define custom transaction types tailored to specific inventory processes. This will provide a clear categorization and control point for each type of transaction.
  - The following custom transaction types will be created:

Transaction Type	Description	Source Type	Action
T3@Return to Vendor	For returns to vendors from stores	Purchase order	Issue from stores
T3@PO Receipt	For receiving purchase orders into stores	Purchase order	Receipt into stores
T3@Account issue	For issuing material against an account	Account	Issue from stores
T3@Account receipt	For receiving material against an account	Account	Receipt into stores
T3@Sales order issue	For ship confirming sales orders	Sales order	Issue from stores
T3@Move Order Issue	For transacting issue move orders	Move order	Issue from stores
T3@Move Order Transfer	For transacting subinventory transfer move orders	Move order	Subinventory transfer
T3@Sub-Inventory Transfer	For general sub-inventory transfers	Inventory	Subinventory transfer
T3@Average cost update	For updating average cost information	Inventory	Cost update

1. Navigate to: Inventory → Setup → Transactions → Source Types.
2. Select User Tab.
3. Insert new record.
4. Define new Transaction Types as following:

Name	Description	Source Type	Action	[ ]
T3@Account issue	T3@Issue material against	Account	Issue from stores	<input type="checkbox"/>
T3@Account receipt	T3@Receive material again	Account	Receipt into stores	<input type="checkbox"/>
T3@Move Order Issue	T3@Transact Issue Move	Move order	Issue from stores	<input type="checkbox"/>
T3@Move Order Transfer	T3@Transact Subinventory	Move order	Subinventory transfer	<input type="checkbox"/>
T3@Sub-Inventory Transfer	T3@Sub-Inventory Transfer	Inventory	Subinventory transfer	<input type="checkbox"/>
T3@Average cost update	T3@Update average cost i	Inventory	Cost update	<input type="checkbox"/>
T3@Return to Vendor	T3@Return to vendor from	Purchase Order	Issue from stores	<input type="checkbox"/>
T3@PO Receipt	T3@Receive Purchase Ord	Purchase Order	Receipt into stores	<input type="checkbox"/>
T3@Sales order issue	T3@Ship Confirm Sales O	Sales Order	Issue from stores	<input type="checkbox"/>

5. Save.

- **Material Status Implementation:** We will implement material status control to restrict specific transaction types on designated subinventories.
  - Define Material Statuses:
    - Navigate to Inventory → Setup → Transactions → Material Status.
    - Define new material status as following:

**Material Status Definition**

Name: T3@\_Main\_Warehouse ☒ Enabled

Description: T3@\_Main\_Warehouse

☐ Allow Reservations ☐ Include in ATP ☒ Nettable

**Usage**

☒ Subinventory ☐ Locator ☐ Lot (G) ☐ Serial (J) ☒ On-hand

**Allowed Transactions**

- T3@Receive material against account
- T3@Issue material against account
- T3@Sub-Inventory Transfer
- T3@Transact Subinventory Transfer Move Ord
- T3@Update average cost information

**Disallowed Transactions**

- Deduct Sample Qty
- HE ISSUE FROM STORE
- Issue from Inventory
- T3@Return to vendor from stores
- Issue materials from SA for customer shipn
- Move Order Putaway

**Material Status Definition**

Name: **T3@\_Receiving\_Area** ☒ Enabled

Description: **T3@\_Receiving\_Area**

☐ Allow Reservations ☐ Include in ATP ☒ Nettable

**Usage**

☒ Subinventory ☐ Locator ☐ Lot (G) ☐ Serial (J) ☒ On-hand

**Allowed Transactions**

- Receive Purchase Order
- T3@Receive material against account
- T3@Issue material against account
- T3@Receive Purchase Order
- T3@Return to vendor from stores
- T3@Transact Subinventory Transfer Move Ord
- T3@Update average cost information

**Disallowed Transactions**

- Receive material against account
- Receive material against account alias
- Receive materials into RA from suppliers.
- Record cycle count adjustments
- Ship Confirm external Sales Order
- T3 Account Alias Issue
- T3 Account Alias Receipt
- T3 Account Issue

**Material Status Definition**

Name: **T3@\_Shipping\_Area** ☒ Enabled

Description: **T3@\_Shipping\_Area**

☐ Allow Reservations ☐ Include in ATP ☒ Nettable

**Usage**

☒ Subinventory ☐ Locator ☐ Lot (G) ☐ Serial (J) ☒ On-hand

**Allowed Transactions**

- T3@Receive material against account
- T3@Issue material against account
- T3@Ship Confirm Sales Order
- T3@Transact Issue Move Order
- T3@Transact Subinventory Transfer Move Ord
- T3@Update average cost information

**Disallowed Transactions**

- T3@Sub-Inventory Transfer
- Deduct Sample Qty
- HE ISSUE FROM STORE
- Issue from Inventory
- Issue materials from SA for customer shipn
- Move Order Putaway
- Perform miscellaneous issue of material
- Perform miscellaneous receipt of material

**Material Status Definition**

Name: T3@\_Transport\_Vehicle ☒ Enabled

Description: T3@\_Transport\_Vehicles

☐ Allow Reservations ☐ Include in ATP ☒ Nettable

**Usage**

☒ Subinventory ☐ Locator ☐ Lot (G) ☐ Serial (J) ☒ On-hand

**Allowed Transactions**

- T3@Receive material against account
- T3@Issue material against account
- T3@Ship Confirm Sales Order
- T3@Transact Issue Move Order**
- T3@Transact Subinventory Transfer Move Ord
- T3@Update average cost information

>>(S)

>(A)

**Disallowed Transactions**

- T3@Sub-Inventory Transfer
- Deduct Sample Qty
- HE ISSUE FROM STORE
- Issue from Inventory
- Issue materials from SA for customer shipn
- Move Order Putaway
- Perform miscellaneous issue of material
- Perform miscellaneous receipt of material

- Enable Material Status Control: Material status control will be enabled for each custom transaction type by checking the "Status Control" checkbox in Inventory → Setup → Transactions → Transaction Types.
- 

**Transaction Types**

System **User**

Name	Shortage Message		Location Required		Inactive On	[]
	Online	Notification	Status Control			
<b>T3@Account issue</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Account receipt	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Move Order Issue	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
T3@Move Order Transfer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Sub-Inventory Transfer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Average cost update	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Return to Vendor	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@PO Receipt	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
T3@Sales order issue	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		



- Assign Material Statuses to Subinventories: Predefined material statuses will be assigned to specific subinventories via Inventory → Setup → Organizations → Subinventories.

Name	Description	Status	Default Cost Group
MV1	Shipping Vehicle 1	T3@_Transport_Vehicle	CG-99528
MV2	Shipping Vehicle 2	T3@_Transport_Vehicle	CG-99528
MV3	Shipping Vehicle 3	T3@_Transport_Vehicle	CG-99528
MW	Main Warehouse	T3@_Main_Warehouse	CG-99528
RA	Receiving Area	T3@_Receiving_Area	CG-99528
SA	Shipping Area	T3@_Shipping_Area	CG-99528

Buttons at the bottom: Item / Subinventory, Locators, New, Open

### 3. Configurations Outcomes

The implementation of this solution will yield the following key outcomes:

- Transaction Restriction by Function: The system will enforce restrictions on transaction types based on the inventory function being performed (e.g., miscellaneous transactions, subinventory transfers, move orders).

Transaction Date: 18-APR-2025 17:34:00

Transaction Type: [Empty field]

Name	Project Related	Description
T3@Account issue		T3@Issue material against account
T3@Account receipt		T3@Receive material against account
T3@PO Receipt		T3@Receive Purchase Order
T3@Return to Vendor		T3@Return to vendor from stores
T3@Sales order issue		T3@Ship Confirm Sales Order

#### 1 Miscellaneous transaction: Available Custom Transaction Types

Transaction

Date 18-APR-2025 17:36:54

Type

Source Transaction Types

Find %

Name	Description
T3@Sub-Inventory Transfer	T3@Sub-Inventory

2 Sub-inventory transfer: Available Custom Transaction Types

Move Orders (T3)

Number 6515433 Description

Status Incomplete Move Order Type Requisition

Default

Transaction Type

Source Subinv

Destination Account

Location


Find t3@%

Transaction Type	Description
T3@Move Order Issue	T3@Move Order Transfer

3 Move Order: Available Custom Transaction Types

- Subinventory Restriction by Transaction Type and Material Status: The list of available subinventories will be dynamically restricted based on the selected transaction type and the material status assigned to those subinventories.

Item	Rev	Subinventory	Locator	Lot	Expires On	UOM
HP-ELITEBOOK-840G						Ea



FRM-41830: List of Values contains no entries.

OK

Sub-Inventories Not Listed for The Selected Transaction Type

Number

6513446

Description

Status

Incomplete

Move Order Type

Requisition

Default

Transaction Type

T3@Move Order Transfer

Location

Source Subinv

MW

Destination Subinv

SA

Destination Account

Date Required

02-APR-2025 11:24

[ ]

Item

Project and Task

Source

Destination

Control

Item Description

HP EliteBook 840 G9 Laptop

On Hand

Approve

Sub-Inventories Listed for The Selected Transaction Type

**Lastly**, Implement the **Item Planner** to automatically send move orders for critical items for approval before the transfer occurs. This prevents unauthorized transfers by ensuring that only authorized planners can approve stock movements for high-value or sensitive items.

### 1. **Define planner for T3 Inventory Organization:**

- Navigate to: Inventory → Setup → Planners
- Add define an employee as planner.

Name	Description	Employee	Electronic Mail Address	Inactive On
Sobhey	Sobhey	Sobhey Saied,		

### 2. **Assign this planner at specific critical or high value item:**

- Navigate to: Inventory → Items → Organization Items
- Query the critical items (e.g., HP-ELITEBOOK-840G9).
- Go to the General Planning tab.
- In the Planner field, assign a responsible person.
- Save the changes.

Organization: T3 T3 Company

Item: HP-ELITEBOOK-840G9

Description: HP EliteBook 840 G9 Laptop

Display Attributes: ☐ Master ☒ Org ☐ All

Purchasing Receiving Physical Attributes **General Planning** MPS/MRP Planning Lead Times Work In Process

Inventory Planning Method: Not Planned

Subcontracting Component:

Planner: Sobhey

Make or Buy: Buy

Min-Max Quantity: Minimum: , Maximum:

Order Quantity: Minimum: , Maximum:

Cost: Order: , Carrying: %

Section	Task	Purpose	Key Steps
G. Receiving Options	17. Define Receiving Options	Ensure proper receiving configurations that aligns with company policies.	- Set Receiving options.

1. From the *Inventory* responsibility, go to: **Setup > Organizations > Receiving Parameters.**

Alternatively, this function could be accessed from purchasing responsibility: **Setup > Organizations > Receiving Options.**

Setup: Organizations: Receiving Parameters

Receiving Organization Attributes

- Requests
- Setup
  - + Transactions
  - + Items
  - + Costs
  - + Units of Measure
  - + Rules
- Organizations
  - Organizations
  - Parameters
  - Locations
  - Employees
  - Calendars
  - Calendar Exception Templates
  - Subinventories
  - Stock Locators
  - Shipping Networks
  - Inter-Location Transit Times
  - Shipping Methods
  - Shortage Parameters
  - Intercompany Transaction Flows
  - Organization Access
  - Purchasing Parameters
  - Receiving Parameters**

Top Ten List

1. Change Organization - MRP
2. Receipts
3. Receiving Transactions
4. Material Workbench Search Main
5. Material Workbench
6. Receiving Transaction Summary
7. Material Workbench Search Main

2. On the **Receiving Options** page, use the **Inventory Organization** drop-down list (lov) to select “T3 Company” organization to define its receiving options.

**Receiving Options**

Inventory Organization T3 Company Go

3. **Configure Receiving Options:** Once we select the organization, the form will display various fields that control receiving behavior.

**Receiving Options** Inventory Organization T3 Company Go Cancel Save

\* Indicates required field

Enforce Ship-To	Warning	<input checked="" type="checkbox"/> Allow Unordered Receipts
ASN Control Action	Warning	<input type="checkbox"/> Allow Express Transactions
* Receipt Days Early	5	<input type="checkbox"/> Allow Cascade Transactions
* Receipt Days Late	5	<input type="checkbox"/> Allow Blind Receiving
Receipt Days Exceed-Action	Warning	<input type="checkbox"/> Validate Serial Numbers on RMA Receipts
* Over Receipt Tolerance (%)	15	
Over Receipt Action	Warning	
RMA Receipt Routing	Direct Delivery	Receipt Number Generation Automatic
Receipt Routing	Direct Delivery	Receipt Number Type Alphanumeric
<input type="checkbox"/> Allow Substitute Receipts		* Next Receipt Number 2
		Validate Lots on RMA Receipts Restricted with Warning

#### 4. Define Required Accounting Fields

<b>Accounting</b>	
* Receiving Inventory Account	01-110-1477-0000-000 Company-Department-Account-Sub-Account-Product
Retroactive Price Adjustment Account	 Company-Department-Account-Sub-Account-Product
* Clearing Account	01-000-1488-0000-000 Company-Department-Account-Sub-Account-Product

**5. Click save to store your settings.**

Inventory Organization T3 Company

***Here are the final options after saving:***

**Confirmation**

Your changes have been saved.

**Receiving Options**

Inventory Organization
T3 Company
Go
Cancel
Save

\* Indicates required field

Enforce Ship-To

Warning

ASN Control Action

Warning

\* Receipt Days Early

5

\* Receipt Days Late

5

Receipt Days Exceed-Action

Warning

\* Over Receipt Tolerance (%)

15

Over Receipt Action

Warning

RMA Receipt Routing

Direct Delivery

Receipt Routing

Direct Delivery

☐ Allow Substitute Receipts

☒ Allow Unordered Receipts

☐ Allow Express Transactions

☐ Allow Cascade Transactions

☐ Allow Blind Receiving

☐ Validate Serial Numbers on RMA Receipts

Receipt Number Generation

Automatic

Receipt Number Type

Alphanumeric

\* Next Receipt Number

2

Validate Lots on RMA Receipts

Restricted with Warning

**Accounting**

\* Receiving Inventory Account

01-110-1477-0000-000

Company-Department-Account-Sub-Account-Product

Retroactive Price Adjustment Account

Company-Department-Account-Sub-Account-Product

\* Clearing Account

01-000-1488-0000-000

Company-Department-Account-Sub-Account-Product

**Cost Factors**

☒ Interface to Advanced Pricing

☐ Interface to Transportation Execution

Section	Task	Purpose	Key Steps
H. Testing, Reporting & Finalization	18. Finalize Profile Options	Ensure system behavior aligns with policies.	- Set profile options.

- Navigate to: inventory responsibility > setup > profiles > personal
- Verify and Set Profile Options

#### 1. INV: Material Status Support → Set to "Yes"

- The system will enforce Material Status restrictions on transactions.
- Material Status controls which inventory transactions (issues, receipts, moves, etc.) are allowed or restricted for subinventories.

#### 2. INV: Transaction Date Validation → Provide Warning when Date in Past Period

- If users enter a transaction date in a past (closed) accounting period, Oracle displays a warning message but still allows the transaction if the period is open.
- If this profile option were set to "Error," the system would block the transaction instead of just warning.

The screenshot shows the 'Personal Profile Values' window with a table of profile options. The first row is selected, showing 'INV: Material Status Support' with a default value of 'Yes' and an empty user value field.

Profile Name	Default Value	User Value
INV: Material Status Support	Yes	

The screenshot shows the 'Personal Profile Values' window with a table of profile options. The first row is selected, showing 'INV: Transaction Date Validation' with a default value of 'Allow date in any open period' and a user value of 'Allow date in any open period'. A search dialog is open, showing a list of options with 'Provide warning when date in past period' selected.

Profile Name	Default Value	User Value
INV: Transaction Date Validation	Allow date in any open period	Allow date in any open period

Search Dialog: INV: Transaction Date Validation

Find %

- Allow date in any open period
- Do not allow past date
- Do not allow date in past period
- Provide warning when date in past period**

Buttons: Find, OK, Cancel