Oracle E-Business Suite R12 Inventory Application

User Guide

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

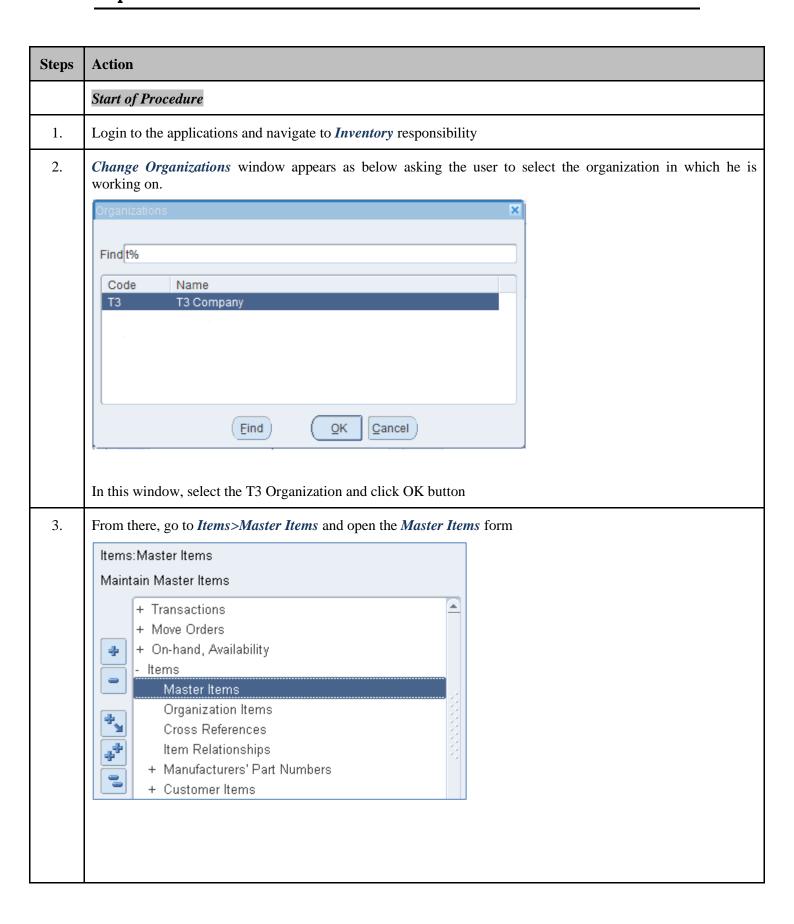
Project Information

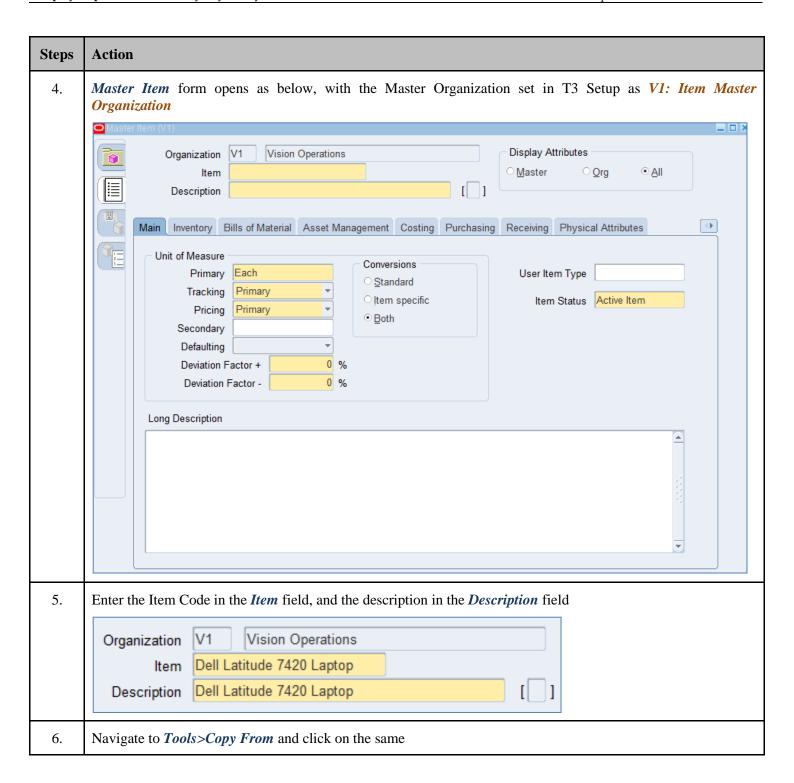
- Project Title: Oracle E-Business Suite (EBS) R12 Implementation in T3 Company
- Course/Track: Oracle E-Business Suite R12 Supply Chain Management
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- Training Group Code: NXT11_ONL2_ERP3_G1
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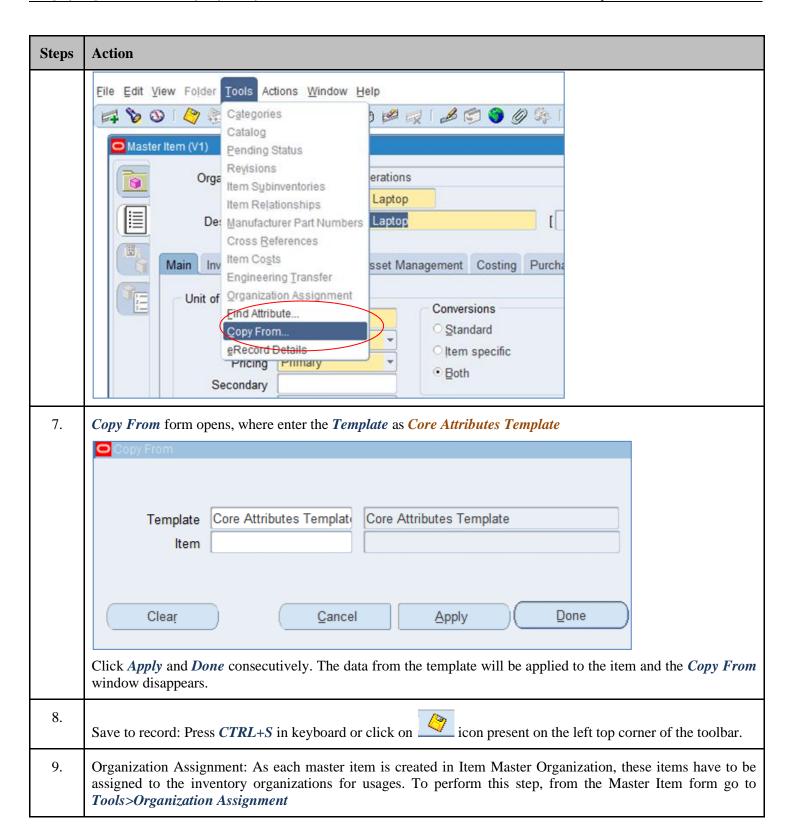
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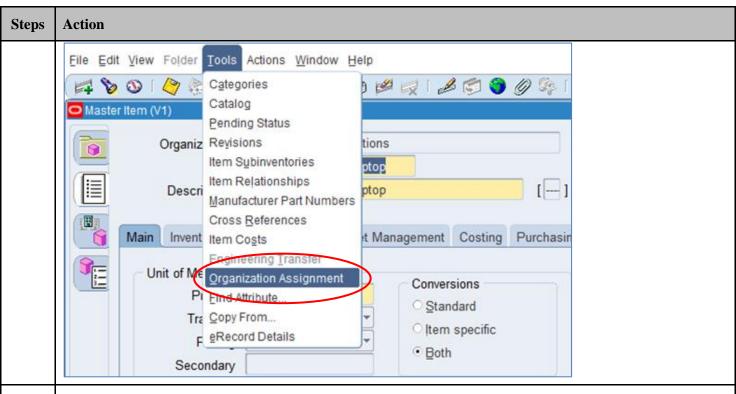
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Topic 1: Create and Maintain Items

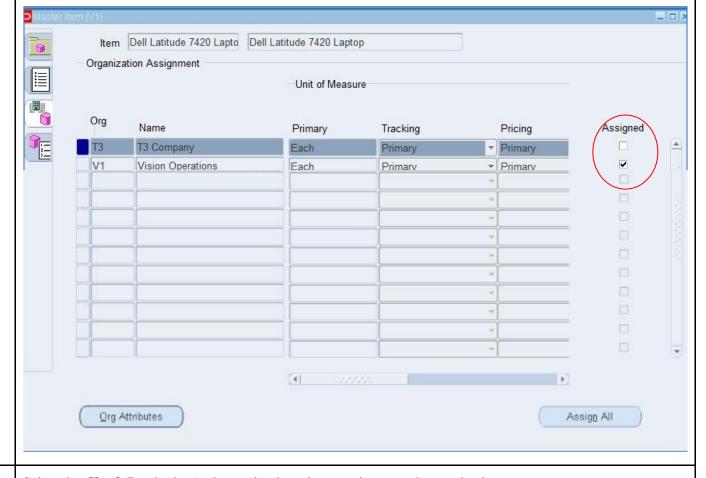




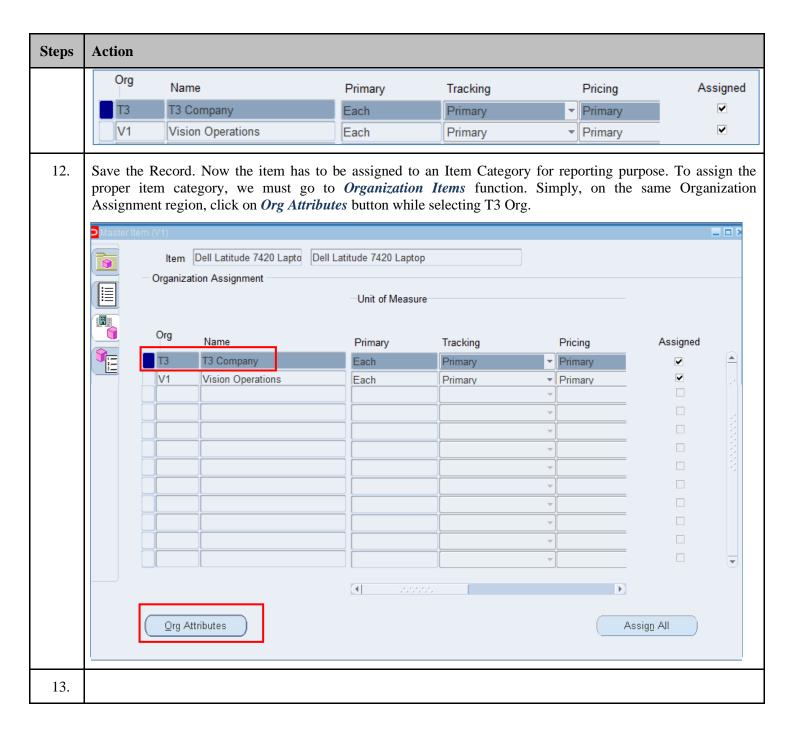


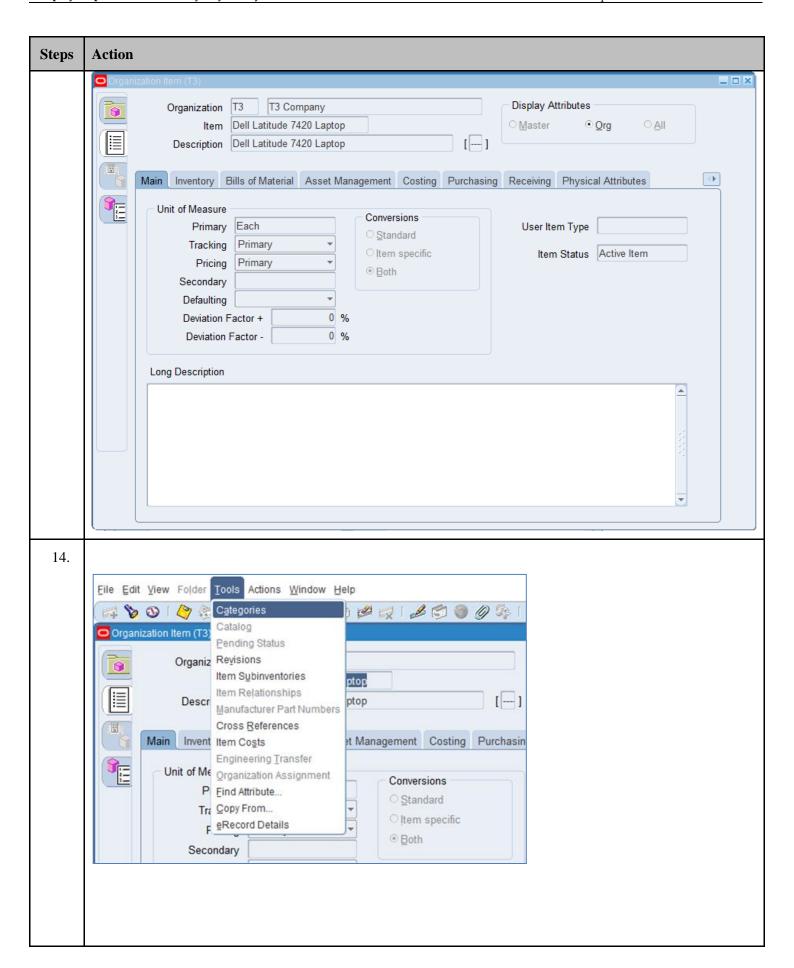


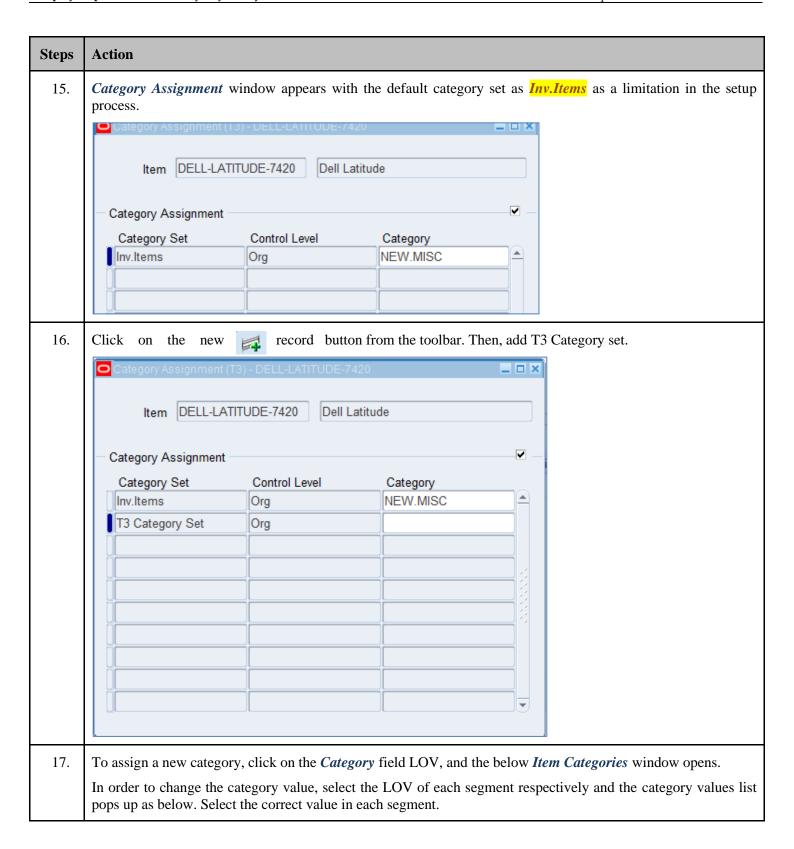
10. Organization Assignment region will appear showing all the inventory organizations that are under this item master organization.

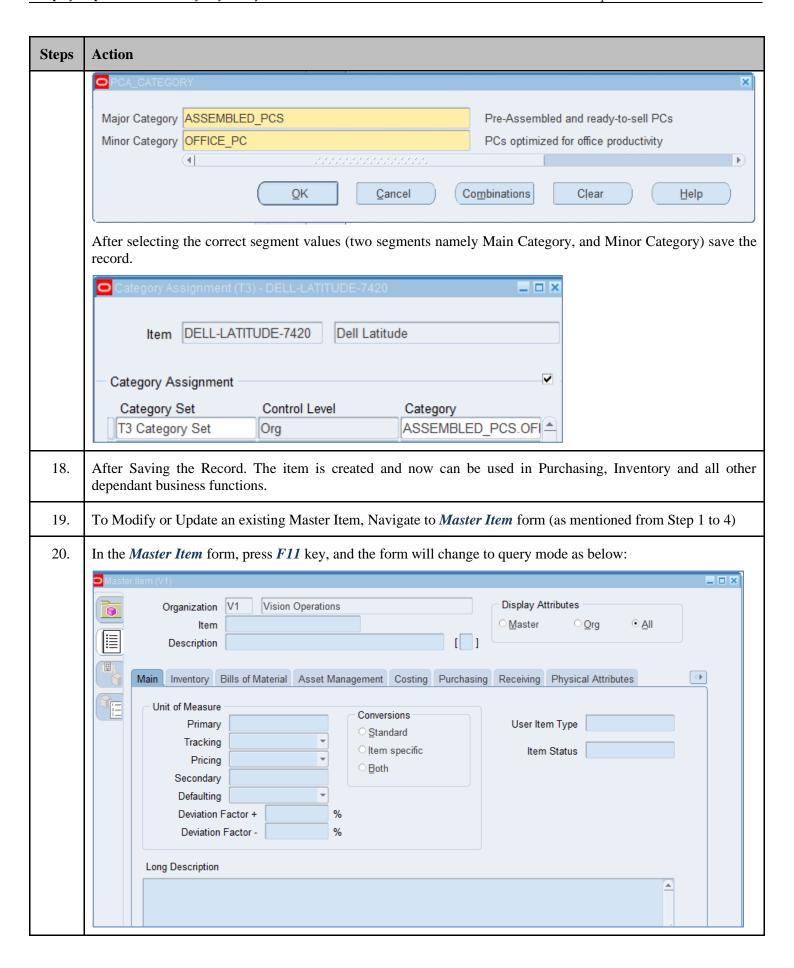


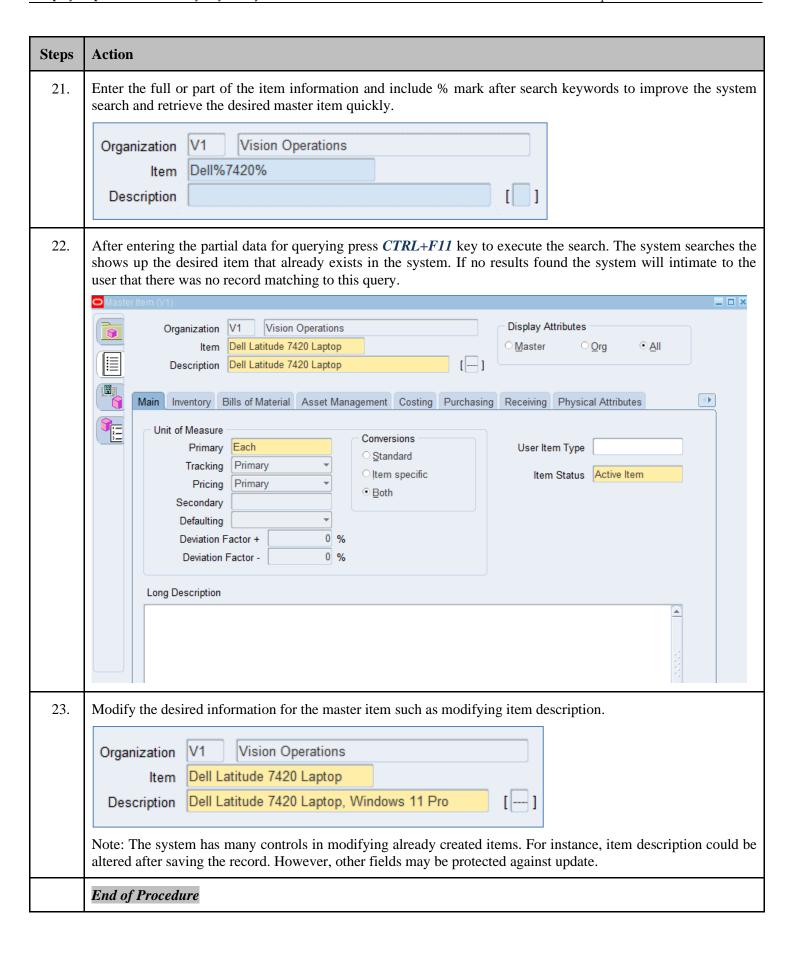
11. Select the *Check Box* in the Assign region in order to assign to each organization.





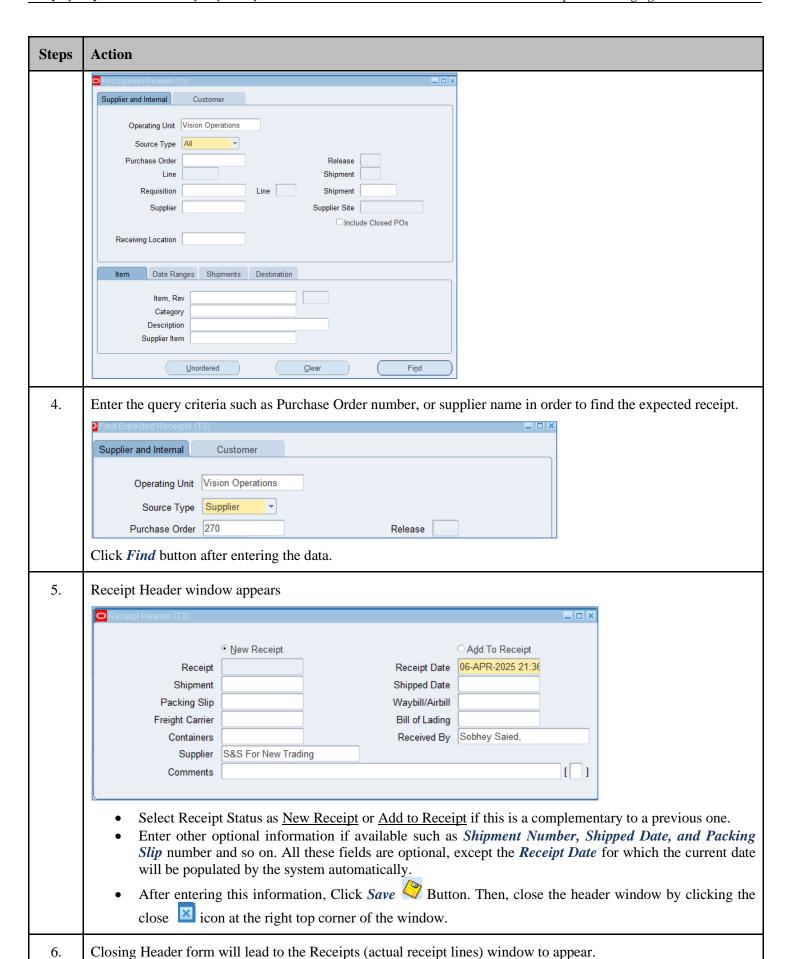


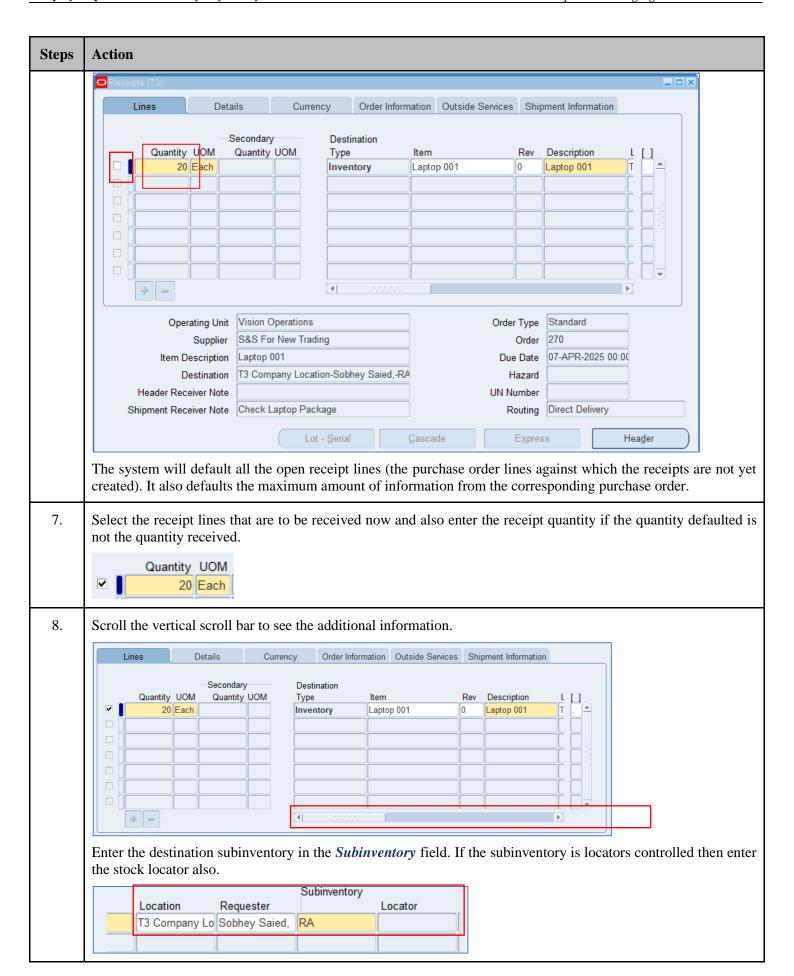


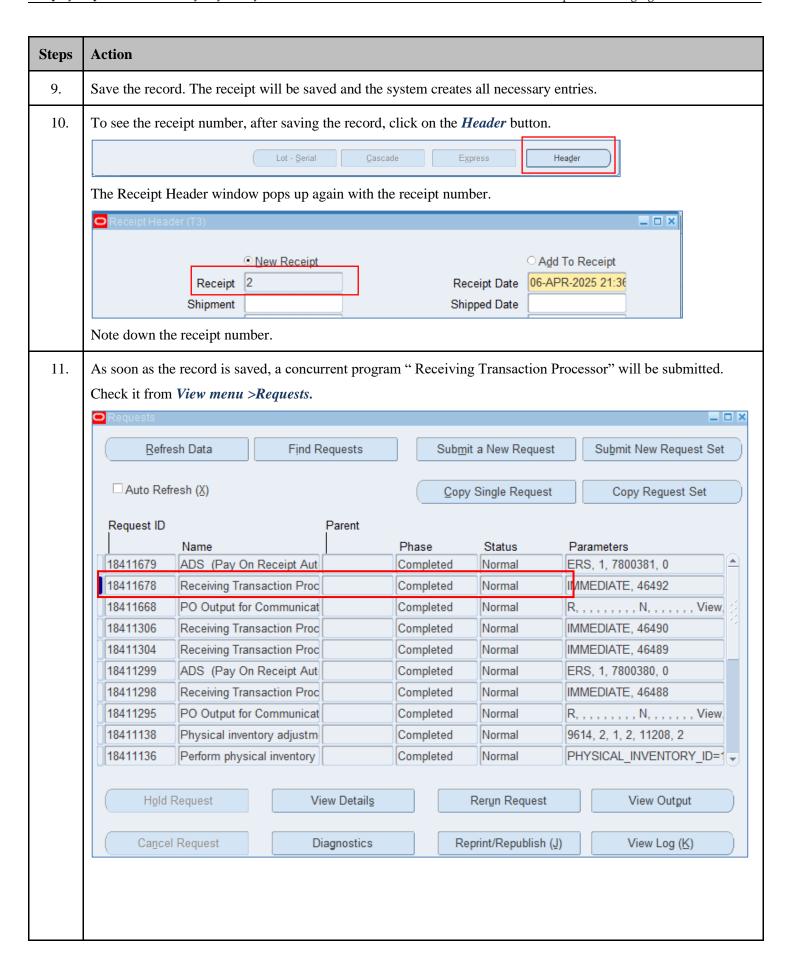


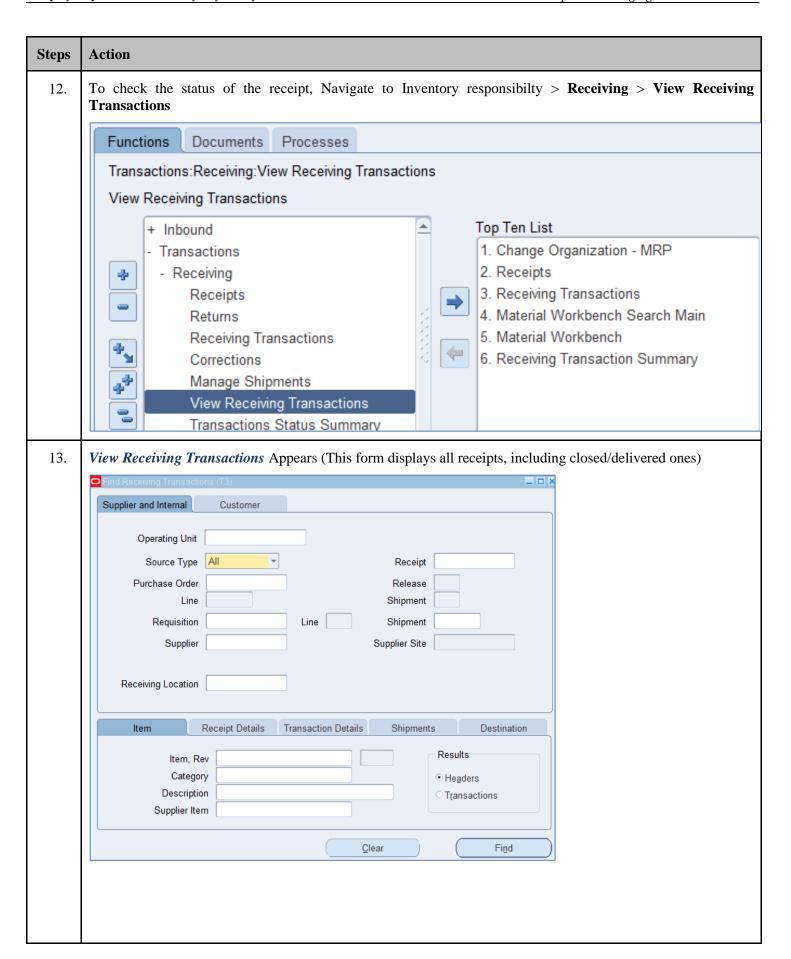
Topic 2: Receiving Against Purchase Order

Steps	Action							
	Start of Procedure							
	Note: as the receipt routing is set as Direct Delivery in T3 Company Setup within Oracle EBS R12; In this case the user performs only one transaction in ERP. When the user creates a 'Receipt' in ERP, both the 'Receive' and 'Deliver' transactions are generated automatically in the system. Physically, there may be 'Gate Entry', 'Inspection' and 'Deliver' activities being done but in the ERP system, all of them are condensed into one transaction. This reduces transaction load on the system.							
1.	Navigate to Inventory responsibility. Then, Go to *Transactions > *Receiving > Receipts** or the receipt function assigned to Purchasing responsibility can also be used. Functions Documents Processes							
2.	Select the Organization that has been given as Ship To Organization in the Purchase Order Shipments in the Change Organizations forms. Click OK button after selecting the organization. Drganizations							
3.	Find Expected Receipts window will open up							

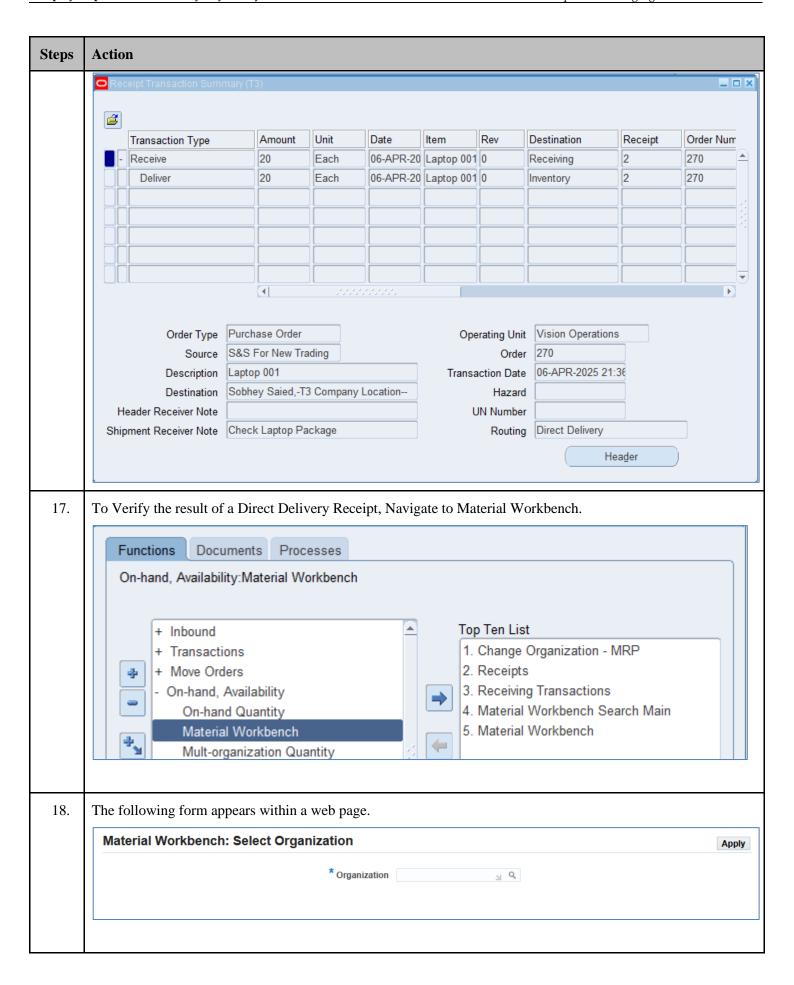


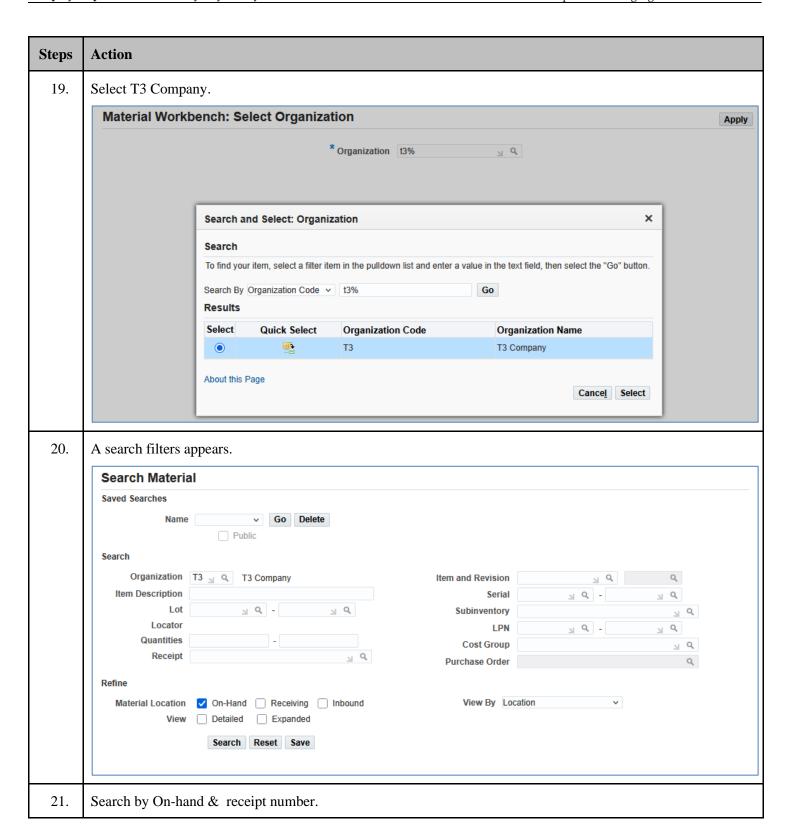


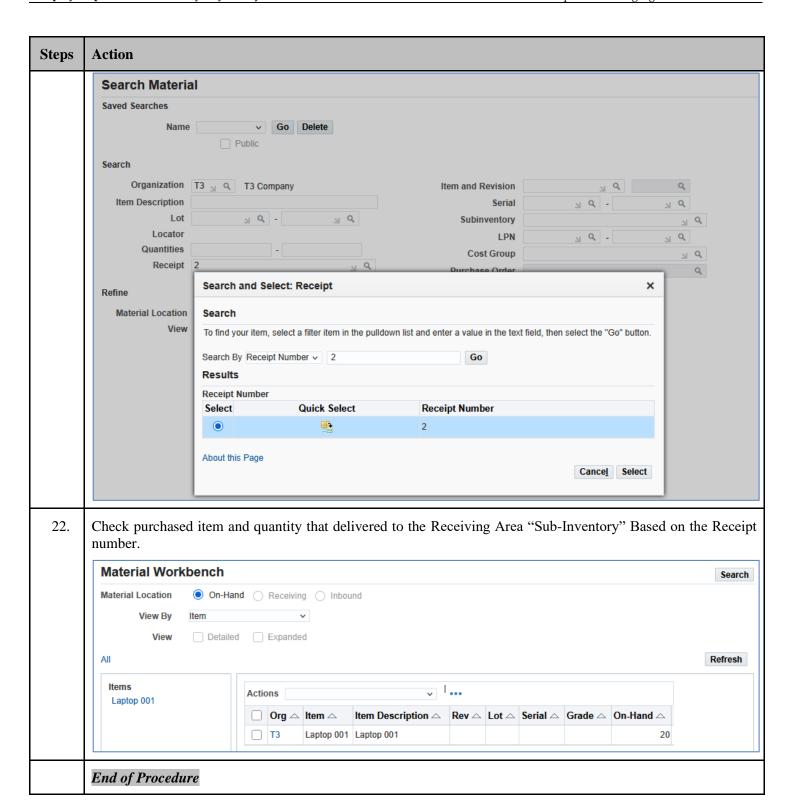




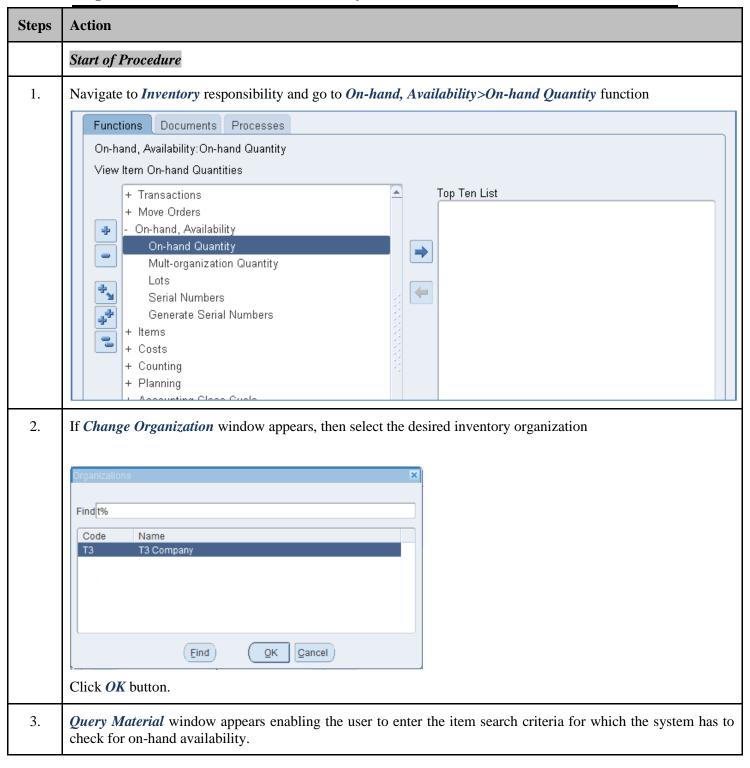
Steps	Action									
14.	Enter tl	ne Receipt l	Number or PC	Number i	n the search	criteria. T	Then, click	c on <i>Fin</i>	d Button.	
	Supplier a	and Internal	Customer							
	(Operating Unit								
		Source Type	All 🔻	_		eipt 2	7			
	Pı	urchase Order Line			Rele Shipn					
		Requisition		Line	Shipn					
		Supplier			Supplier					
	Rece	iving Location								
15.		pt Headers S	Summary Windo	w appears a	s a result of re	ceipt sear		□ ×		
	□ Default	adoro odnimary (10	,							
	Receipt	Date	Supplier	Supplier Site	Shipment Number	Ship Date	Ship To			
	2	06-APR-2025 21	S&S For New Trading	cairo governate						
								=		
							_	=		
	1		3555555555	.000000000000				D		
						Tṛan	sactions			
16.	Click on 7	<i>ransactions</i>	Button to review	v its details.						

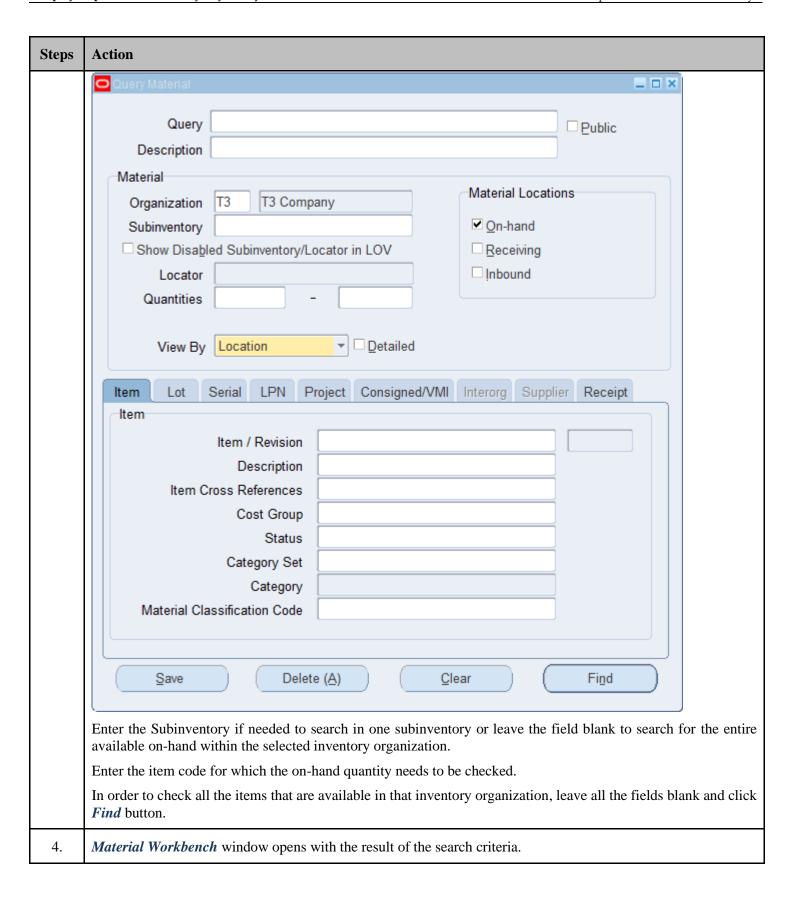


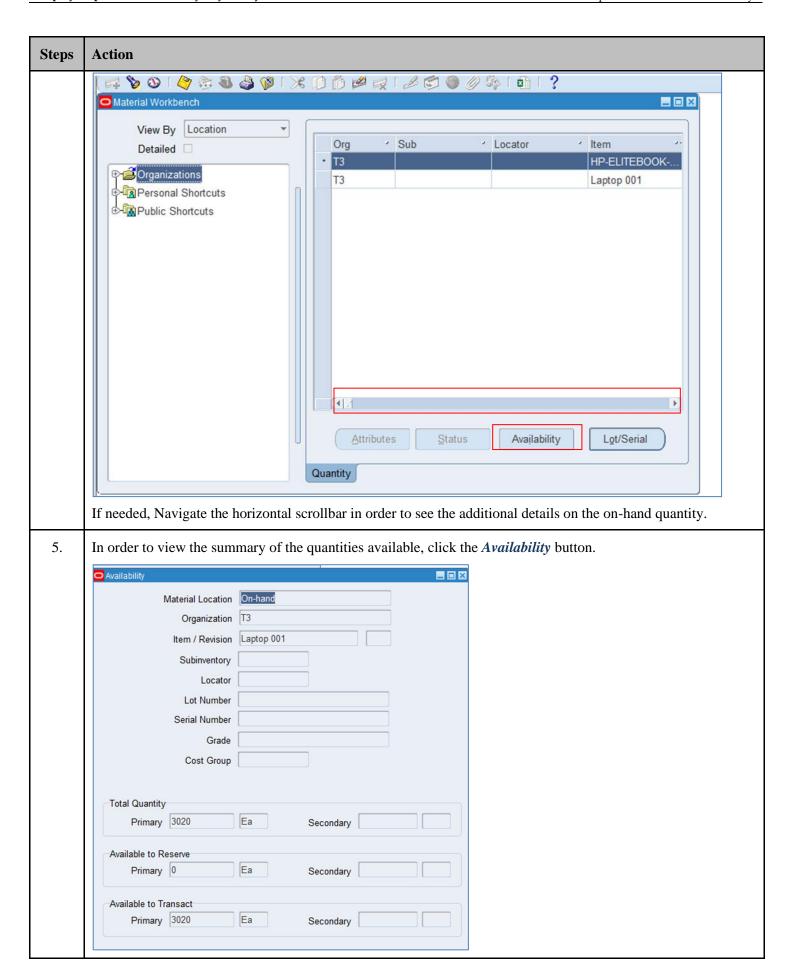


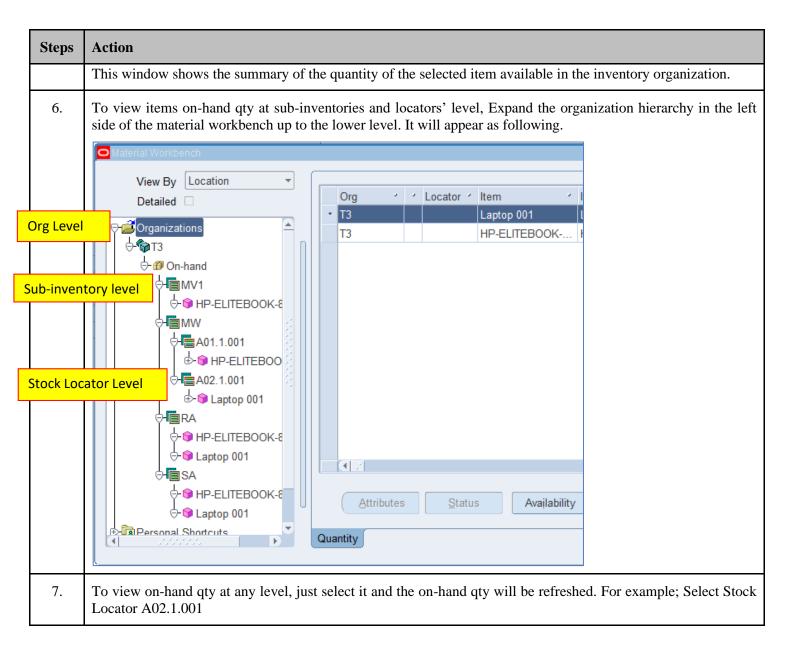


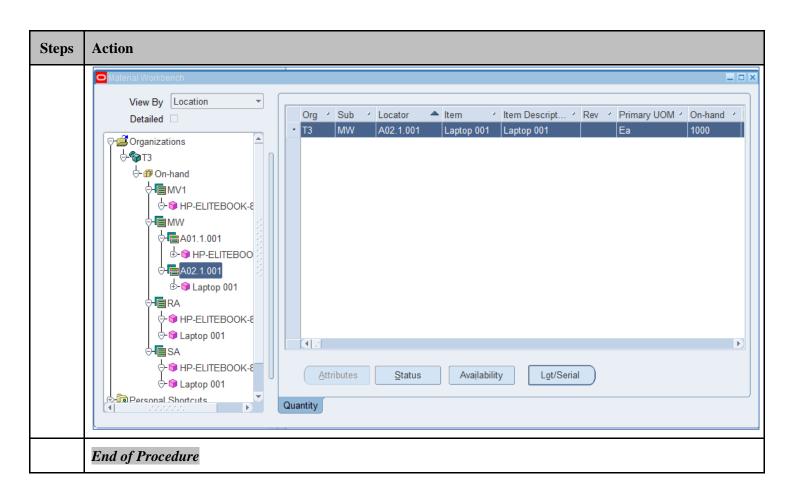
Topic 3: Item On-Hand Availability



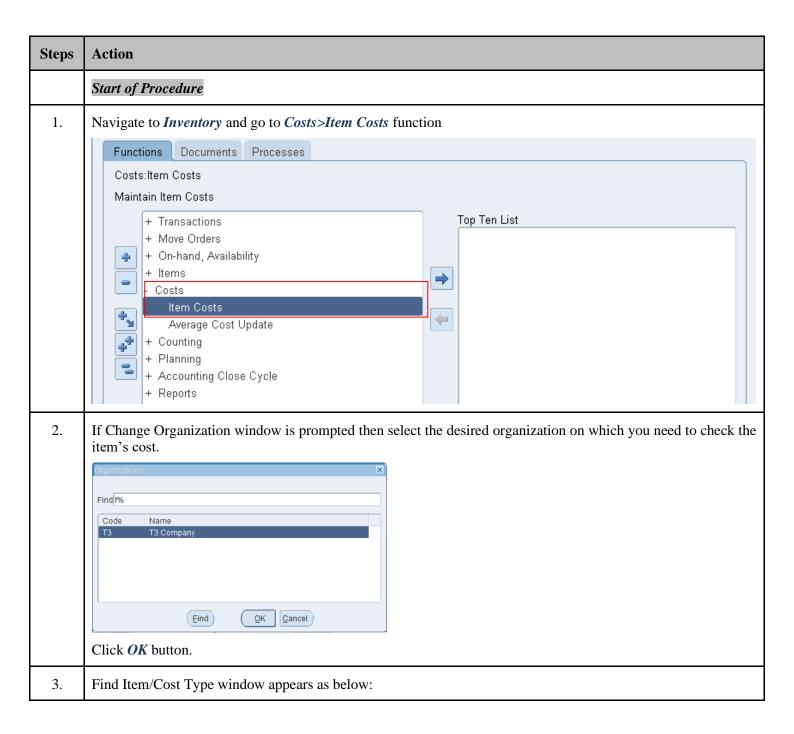


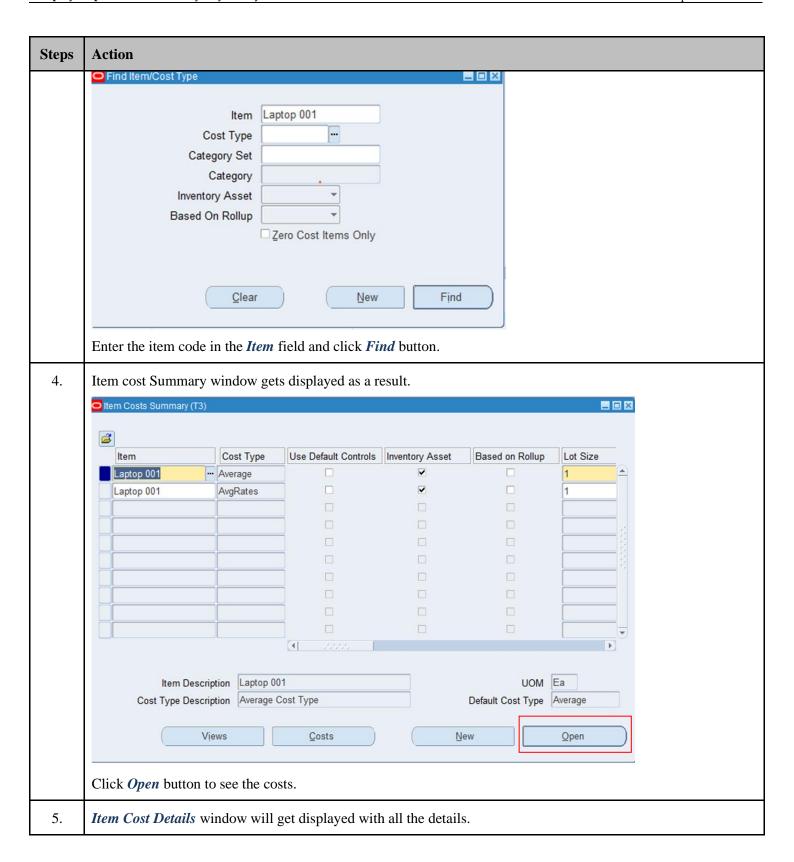


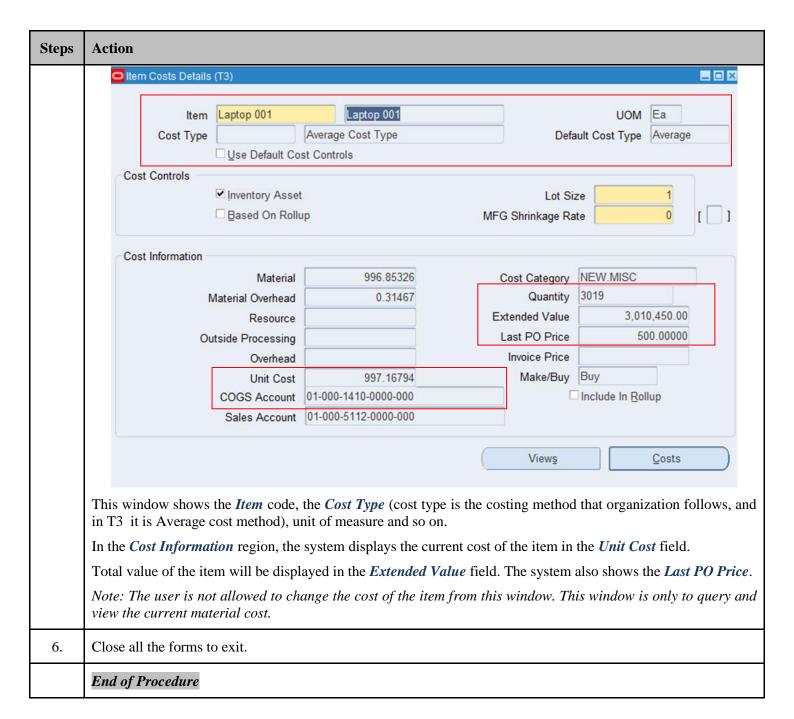




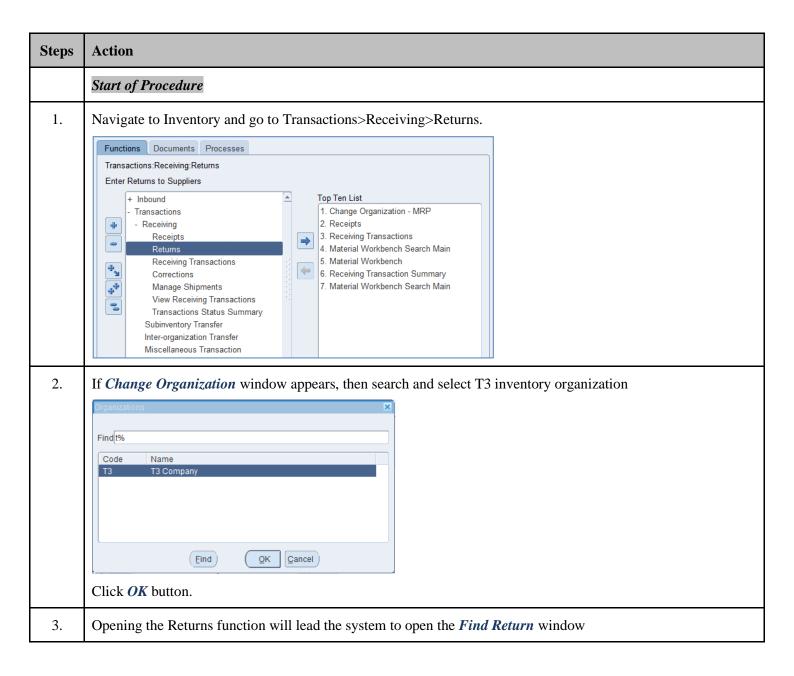
Topic 4: Item Cost

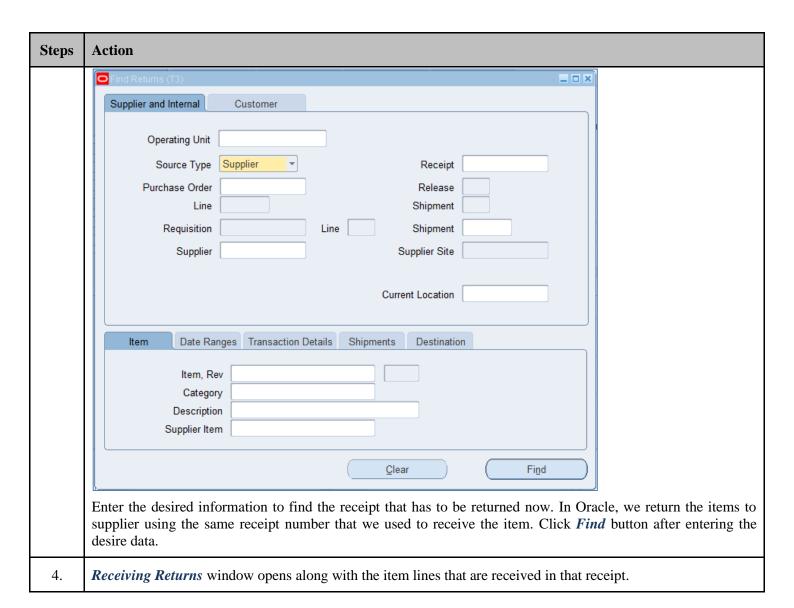


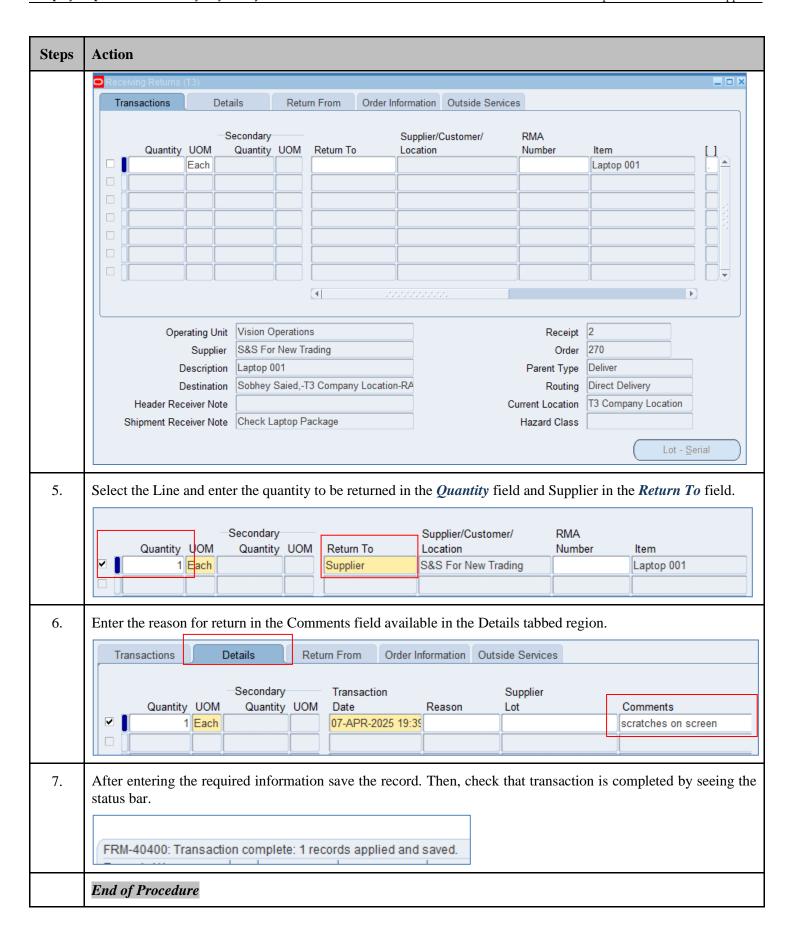




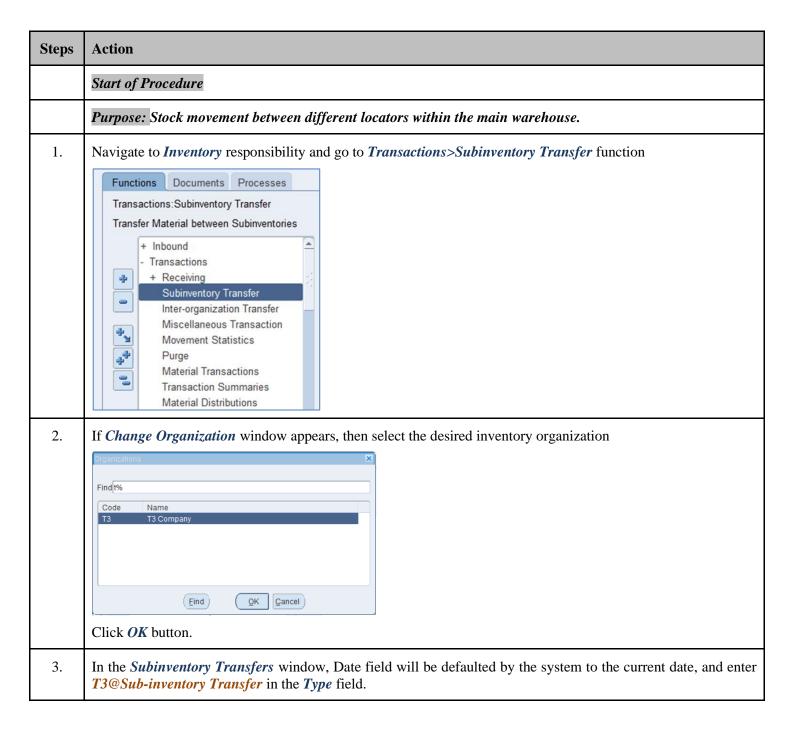
Topic 5: Goods Return To Supplier

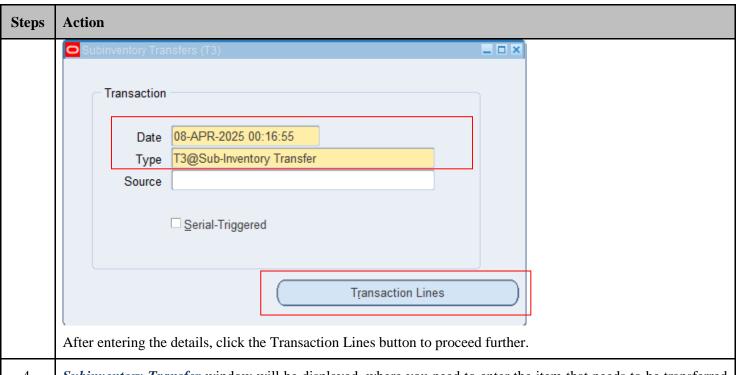




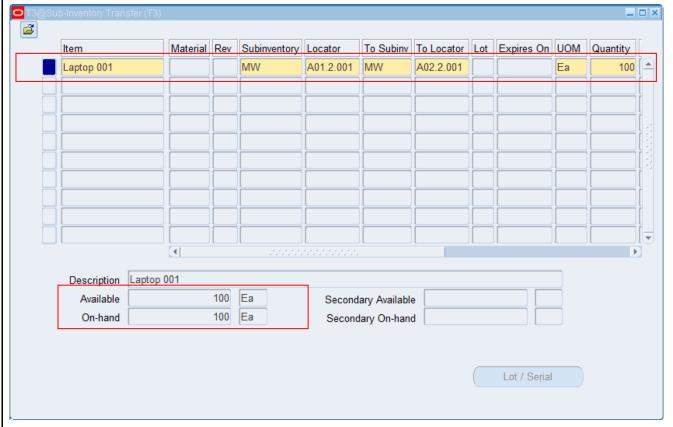


Topic 6: Transactions - Subinventory Transfer





4. **Subinventory Transfer** window will be displayed, where you need to enter the item that needs to be transferred and its quantity.

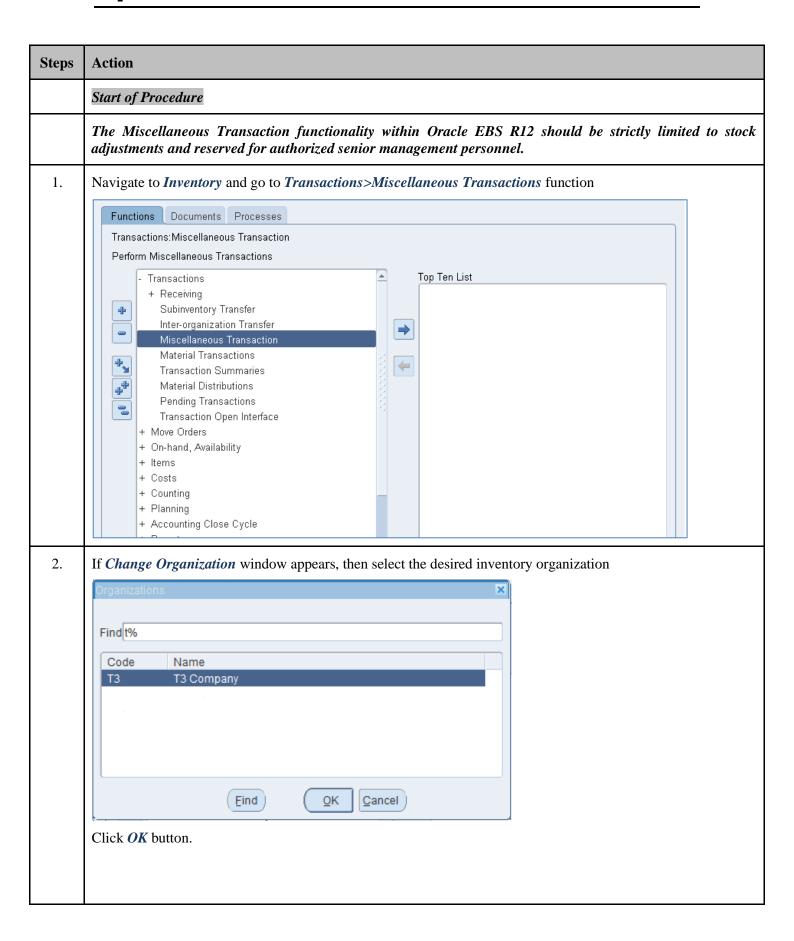


Enter the Item code in the *Item* field

Enter source entity in *Subinventory & Locator* fields. Enter the destination entity of the subinventory is locator controlled in *To Subinventory & To Locator* fields. Note that once we entered the subinventory field, *Available* field below the lines will show the quantity available in this subinventory.

Steps	Action
5.	After entering these details, save the record. The item and the entered quantity will be transferred from the old locator to the new locator. Use the Item On-Hand Availability form to check for the availability of the quantities in each locator within the main warehouse.
	End of Procedure

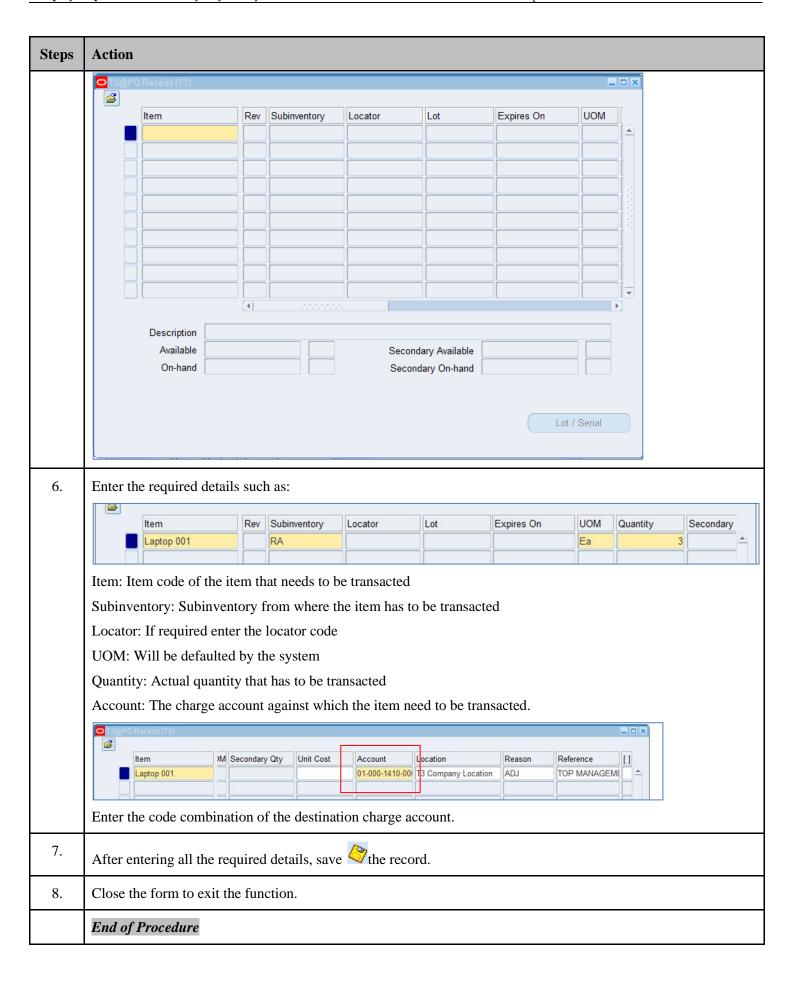
Topic 7: Transactions - Miscellaneous Transaction



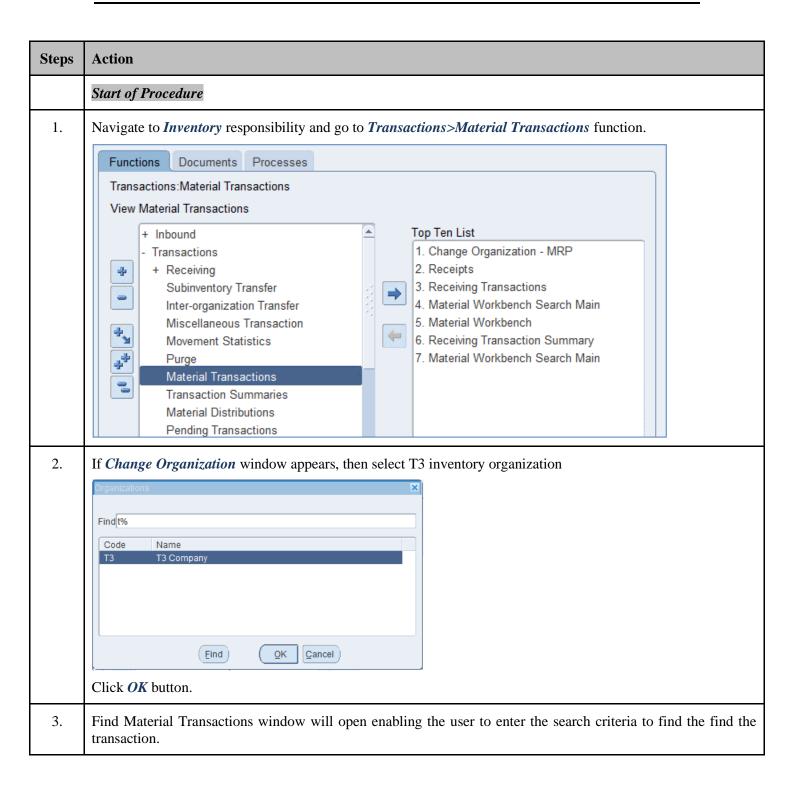
5.

Miscellaneous transaction lines window will appear:

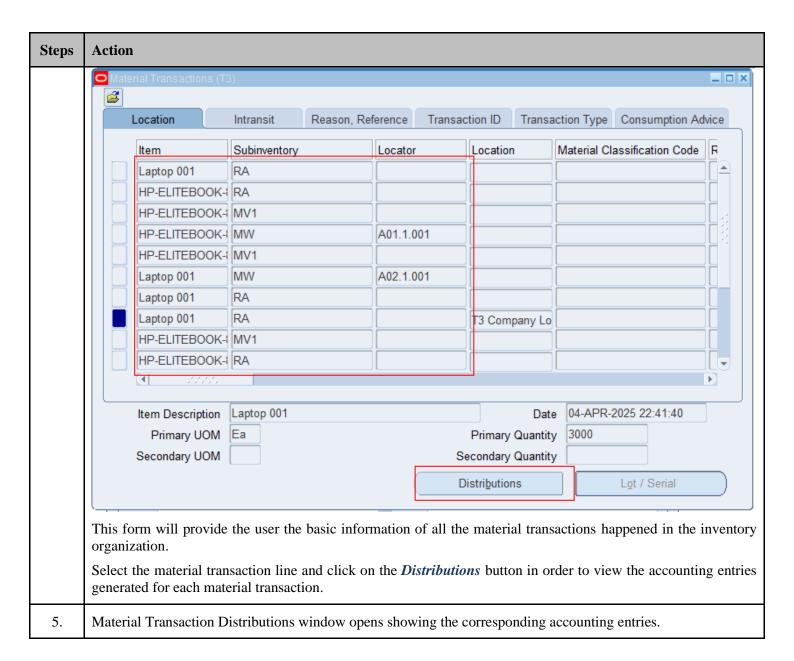
Steps Action 3. Miscellaneous Transactions header Transaction 07-APR-2025 22:41:07 T3@PO Receipt Type Source Account ☐ Serial-Triggered □ LPN-Triggered Transaction Lines The *Date* field will be defaulted to the current date by the system. In *Type* field select the appropriate Transaction Type. For instance, in order to receive materials against a charge account as an adjustment of PO receipt use the transaction type namely T3@PO Receipt. Enter the expected charge PO number in the *Source* field. This PO will be validated later against this transaction to complete its accounting entries. Enter the desired charge account in the Account field. This account will get defaulted to all the lines of this transaction. Note: Transaction type can be of different nature. Transaction types can be used both for receipt of material in to stores and also issue of material from the stores. Both this transaction requires a Charge Account, which the user has to enter during the transaction. User has the option to select transaction type according to the transaction scenario. For examples: T3@Account Receipts: Receiving items not covered by a purchase order (e.g., sample receipts, found inventory). T3@Account Issues: Issuing items for purposes not tied to a sales order or WIP (e.g., damaged goods write-offs, internal consumption). 4. Click on the *Transaction Lines* button.

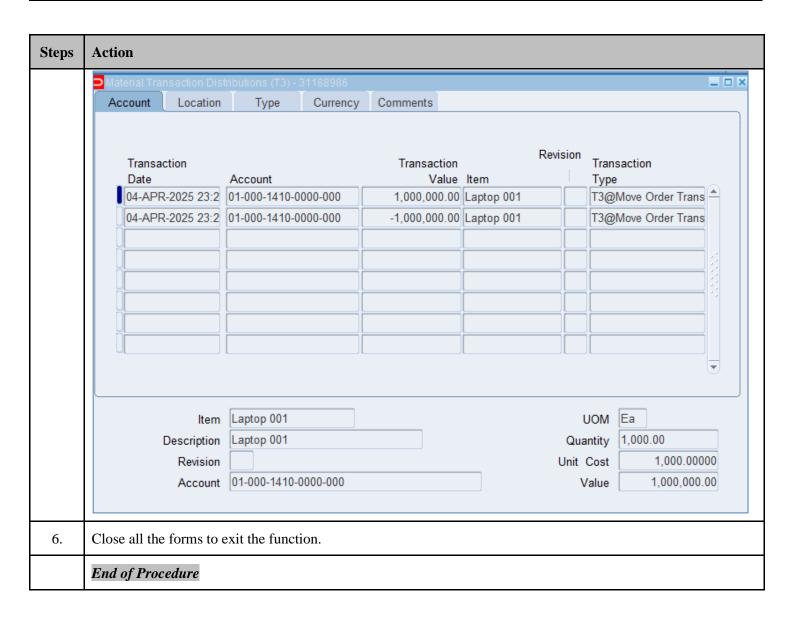


Topic 8: Transactions - View Material Transactions



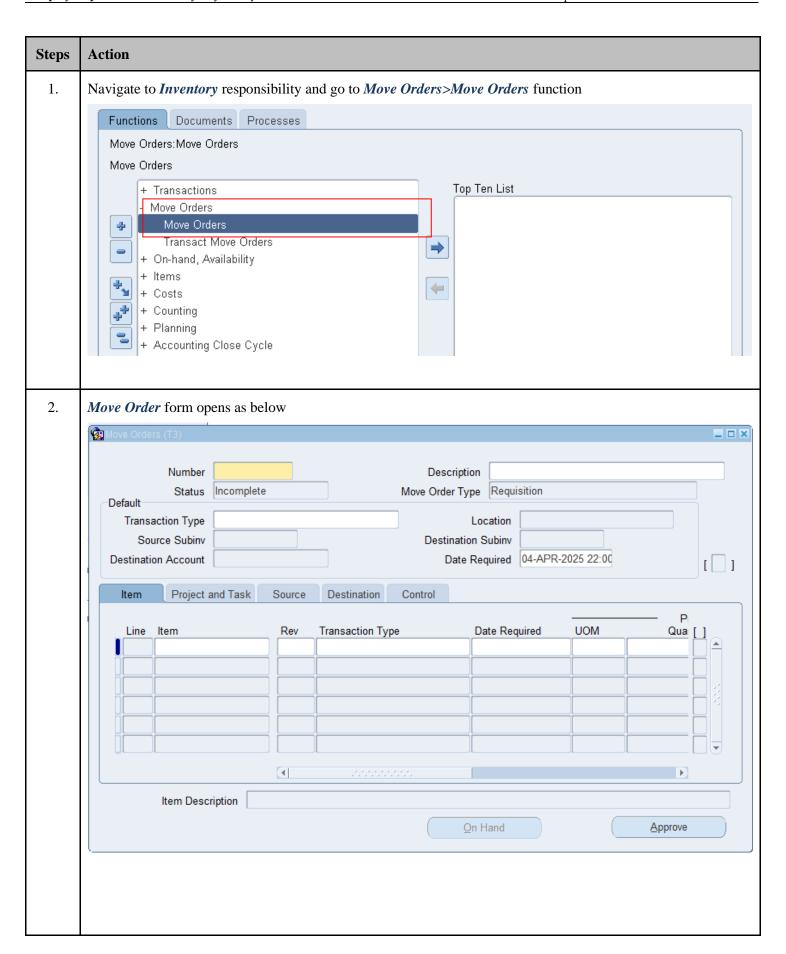
Steps	Action		
	Find Material Transactions (T3)		_
	Transaction Dates Item Description Category Set Subinventory Lot	01-MAR-2025 00:00:00 - 06-APR-2025 00:00:00 Revision Category Locator Serial	
	Supplier Lot	Selidi	
	очррног сос		
	Source Type	Transaction ID	
	Source	☐ Include Logical Transactions	
	Action	□ Subinventory Transfer	
	Transaction Type	☐ Cost Group Transfer	
	Transaction Quantities	-	
	Supplier	Consumption Advice	
	Transferred to Projects	Costed	
		<u>C</u> lear Find	
		to shorted and search criteria for transaction. In case you want to see the organization, clear the <i>Transaction Dates</i> from and to field and click <i>Find</i>	
4.	Material Transactions window above.	opens showing the material transactions based on the search criteria	entered

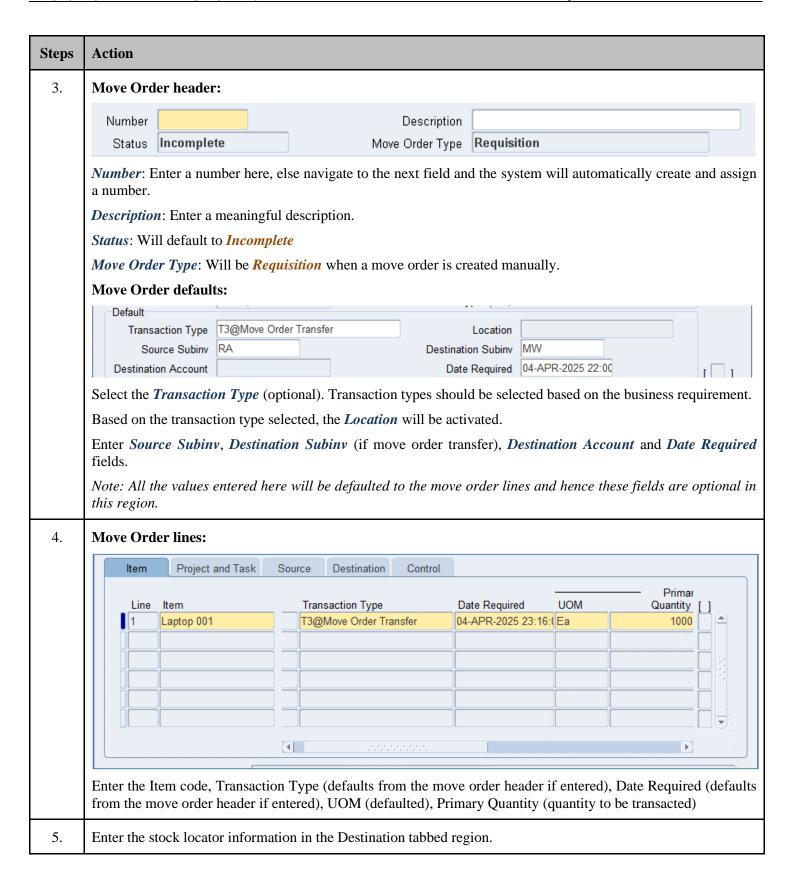


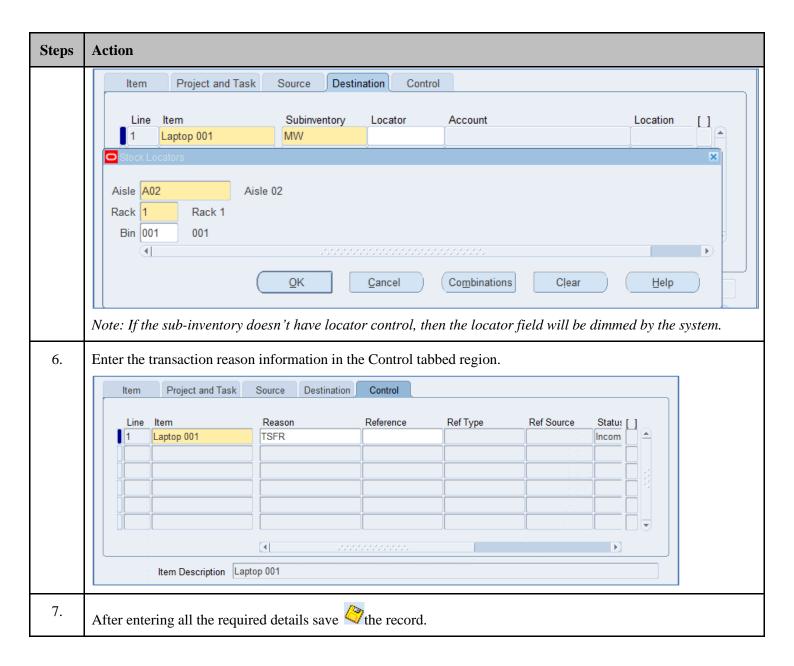


Topic 9: Move Order - Create Move Order

ps	Action				
	Start of Procedure Move Order Process				
	4.0 Print Pick Slip				
	Create Manual Move Order				
	Yes				
	Replenishment Move Order 1,0 Approve Move Order Approve Move Order Detail Move Order Print a Pick Slip? Order Order Order				
	Order Line Order				
	Pick Wave Move				
	Order MO?				
	Here is a concise outline for the move order flow:				
	1. Create Move Order: Generated manually or automatically (via Min May/Paplanishment or Pick Paleace)				
	 Generated manually or automatically (via Min-Max/Replenishment or Pick Release). Approve Move Order: 				
	 Planner approves move order lines (or they are auto-approved for pick wave orders). Allocate/Detail Move Order Lines: 				
	 System (or user) assigns source locators, lots, and quantities based on picking rules. 				
	 4. (Optional) Print Pick Slip: Run the "Print Move Order Pick Slip" concurrent program to generate a document for 				
	warehouse picking. 5. Transact Move Order:				
	 Confirm the physical movement (updates inventory balances) and complete the proce 				



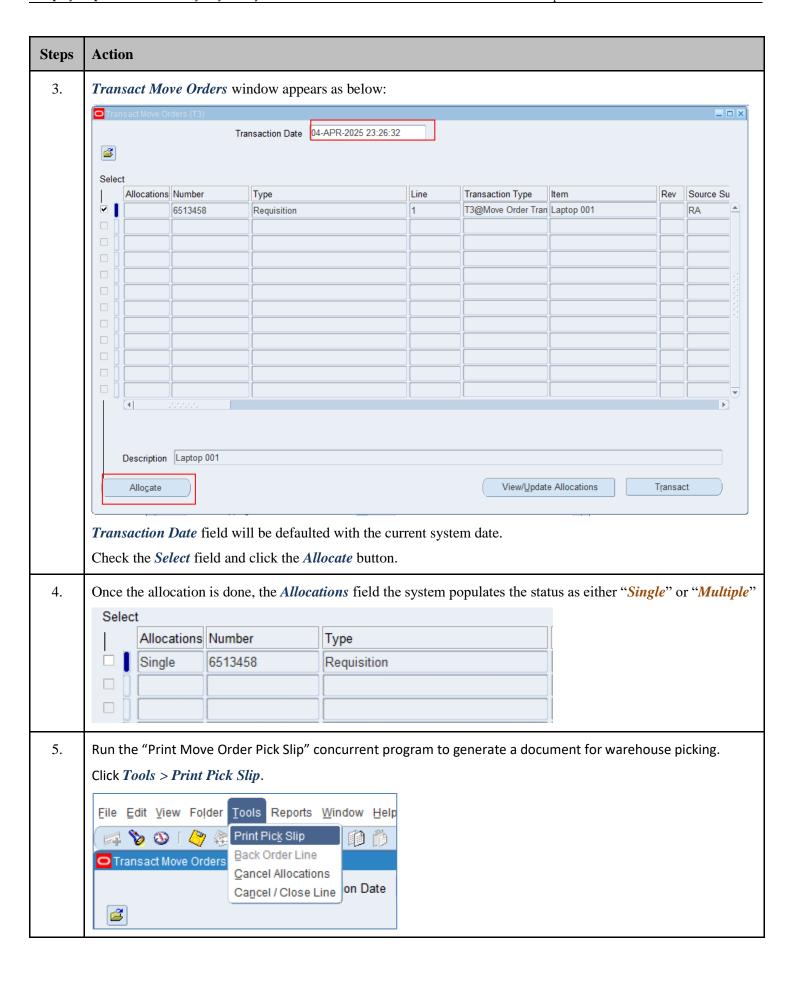


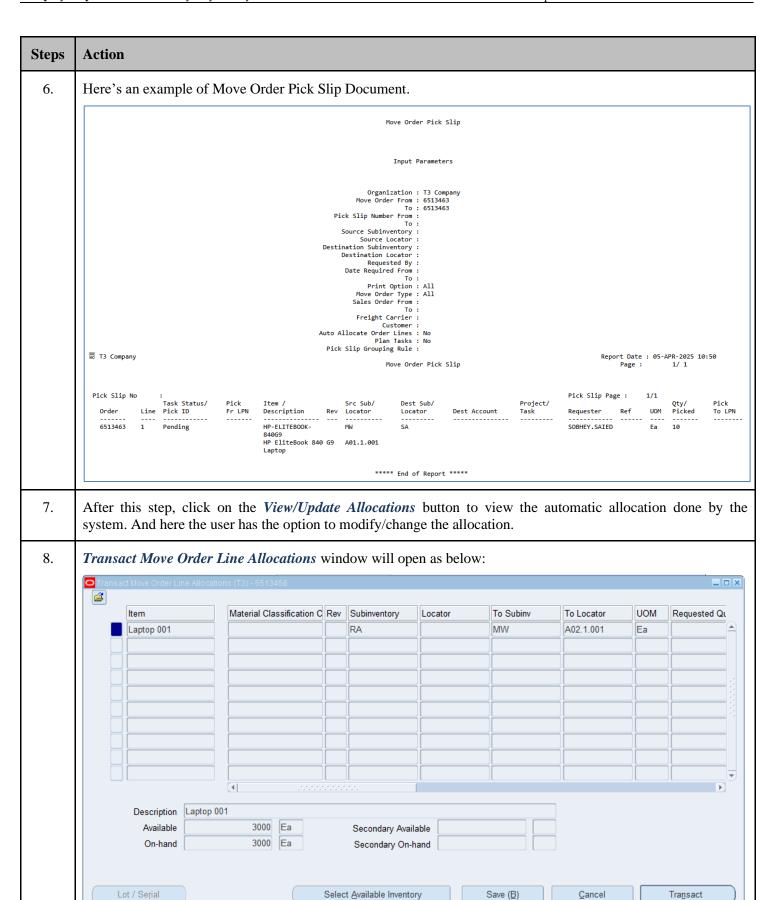


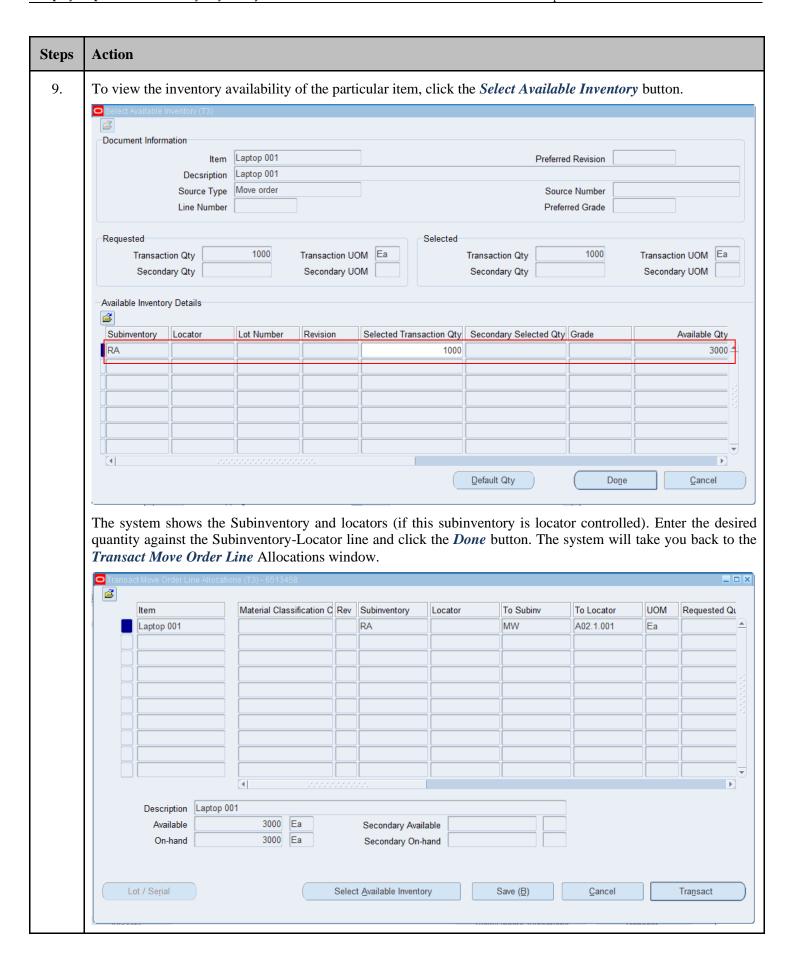
Steps	Action
8.	Move Orders (T3)
	Number 6513458 Status Approved Move Order Type Requisition Default Transaction Type T3@Move Order Transfer Source Subinv RA Destination Account Date Required 04-APR-2025 23:16
	Item Project and Task Source Destination Control
	Line Item Transaction Type Date Required UOM Quantity []
	1 Laptop 001 T3@Move Order Transfer 04-APR-2025 23:16:(Ea 1000
	■ .000000000
	Item Description Laptop 001
	<u>On Hand</u> <u>Approve</u>
	Click on the <i>Approve</i> button to approve the move order.
	Note: Due to business requirement: The user can approve the move order requisition by self.
	End of Procedure

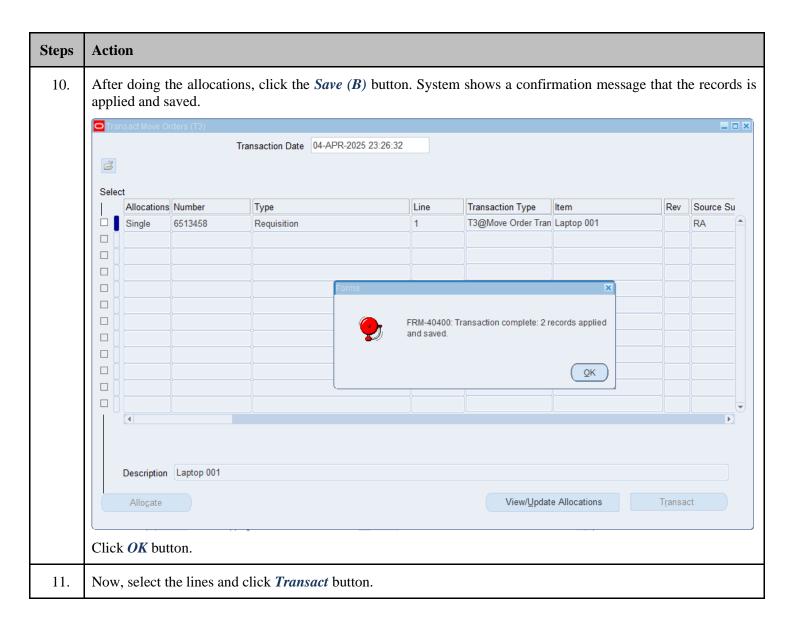
Topic 10: Move Order - Transact Move Order

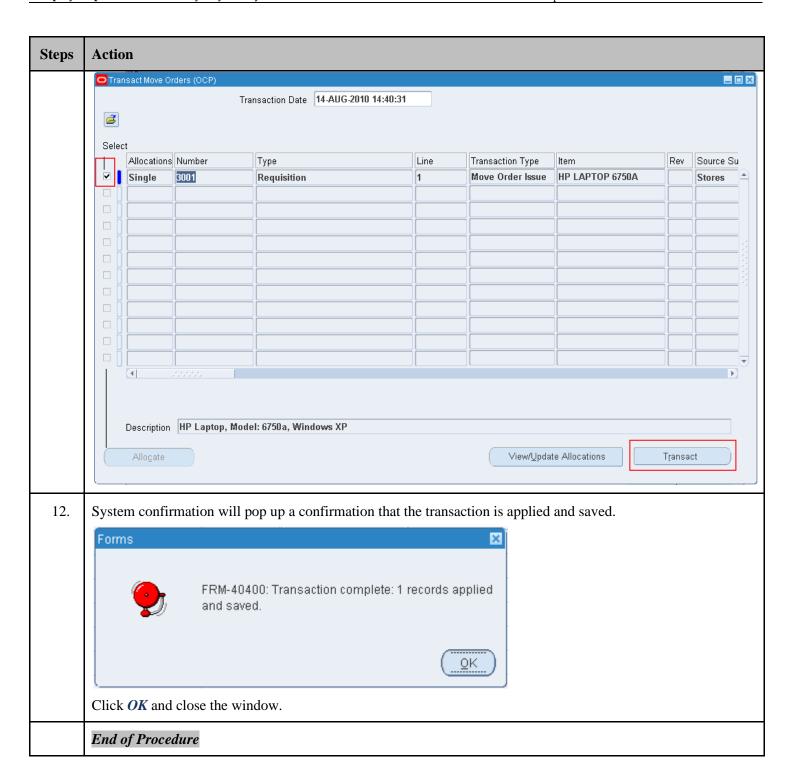
Steps	Action		
	Start of Procedure		
1.	Navigate to Inventory responsibility and go to Move Orders>Transact Move Orders function Functions Documents Processes Move Orders: Transact Move Orders Transact Move Orders Move Orders Move Orders Move Orders Herms On-hand, Availability Hitems Costs Counting Planning Accounting Close Cycle		
2.	Find Move Order Lines window opens as below: Headers Lines Source and Destination Pick Wave Numbers - Description Type Created By		
	Enter the move order number in the <i>Numbers</i> field and tab out Numbers 6513458 - 6513458 Description Type Created By Press the <i>Find</i> button.		



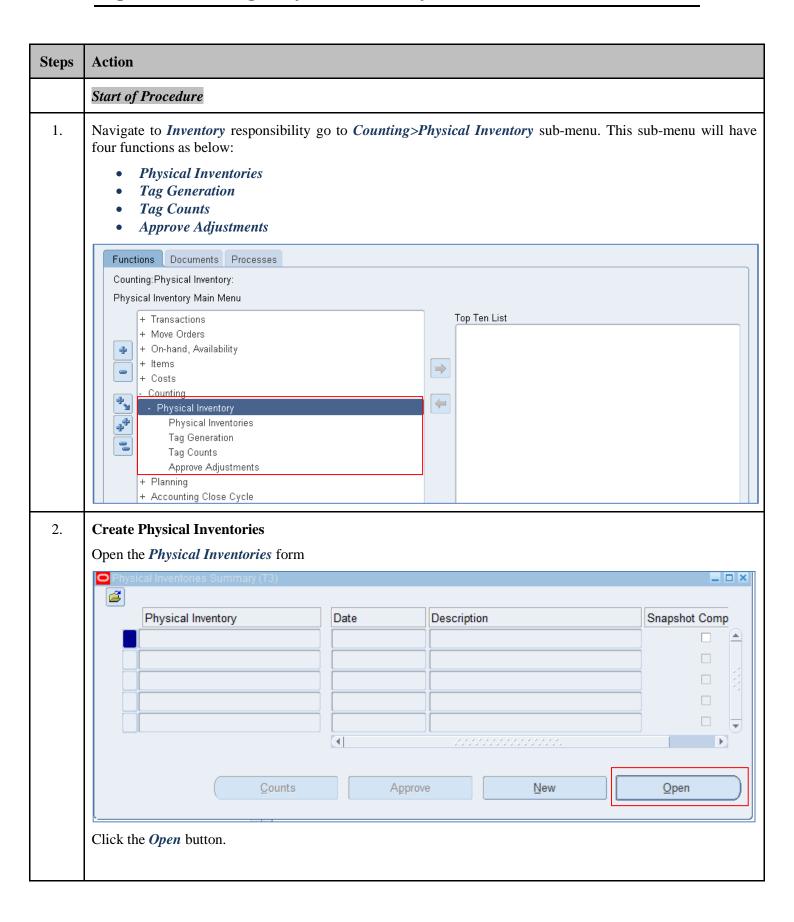


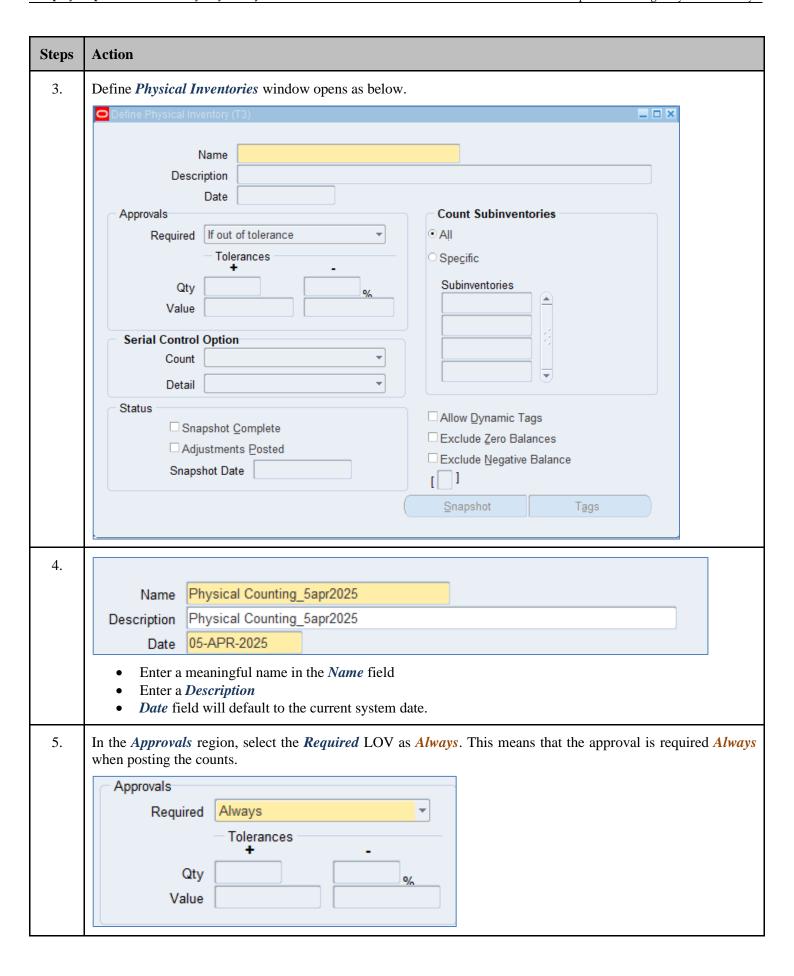


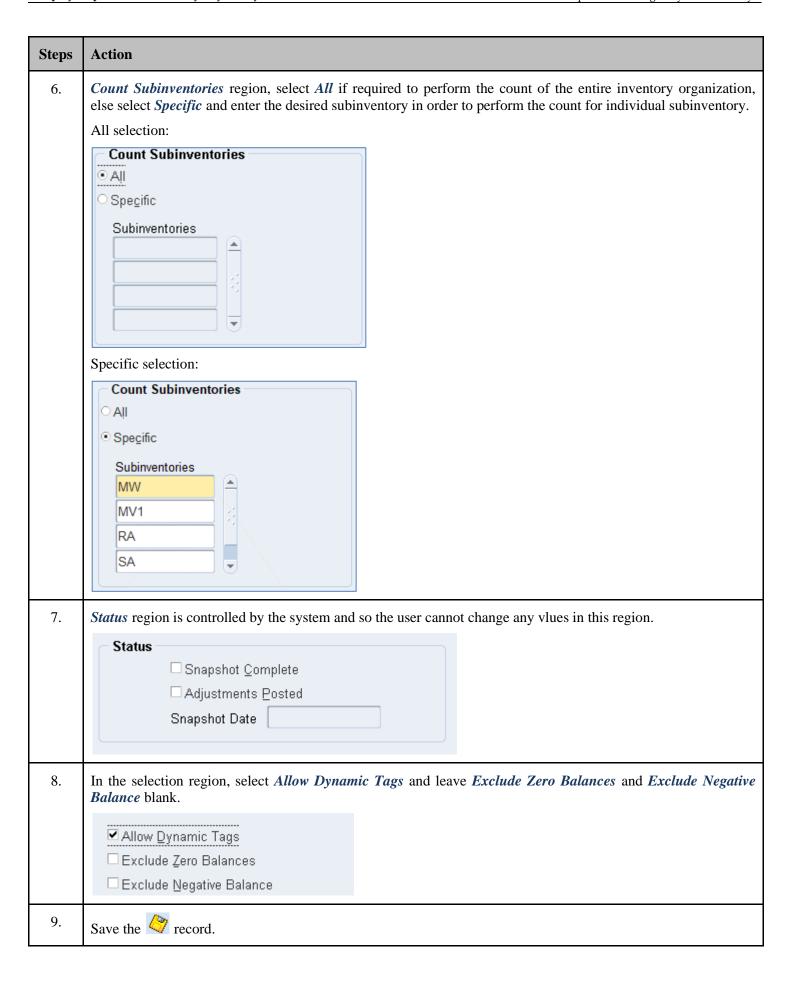




Topic 11: Counting - Physical Inventory

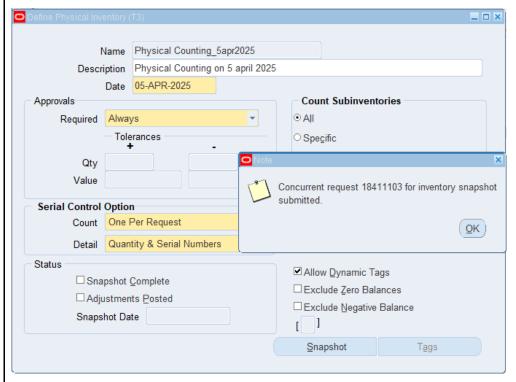






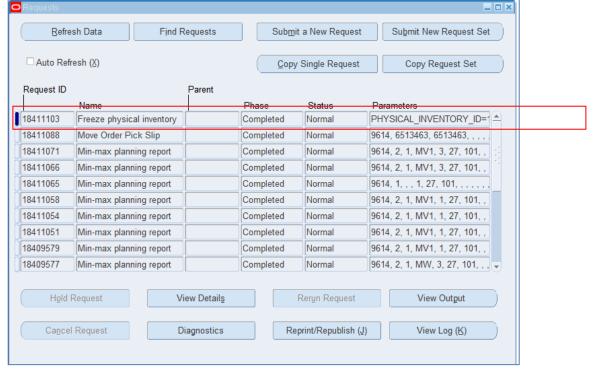
Steps | Action

10. Click the Snapshot button to trigger the concurrent program that creates the snapshot of the current inventory balances.

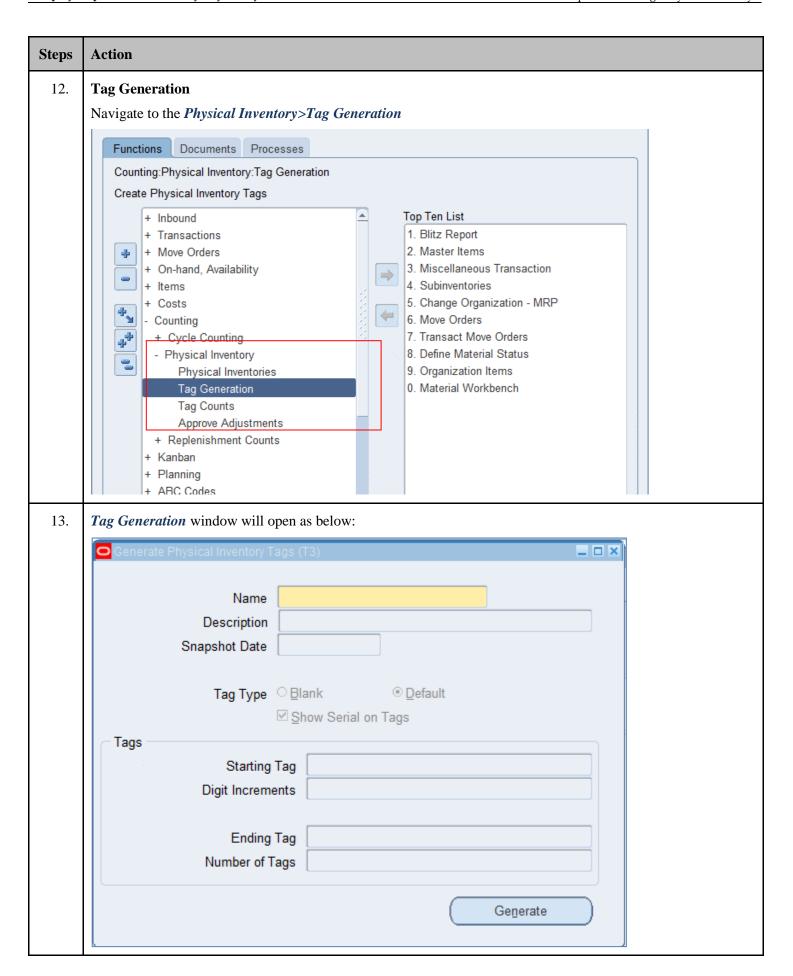


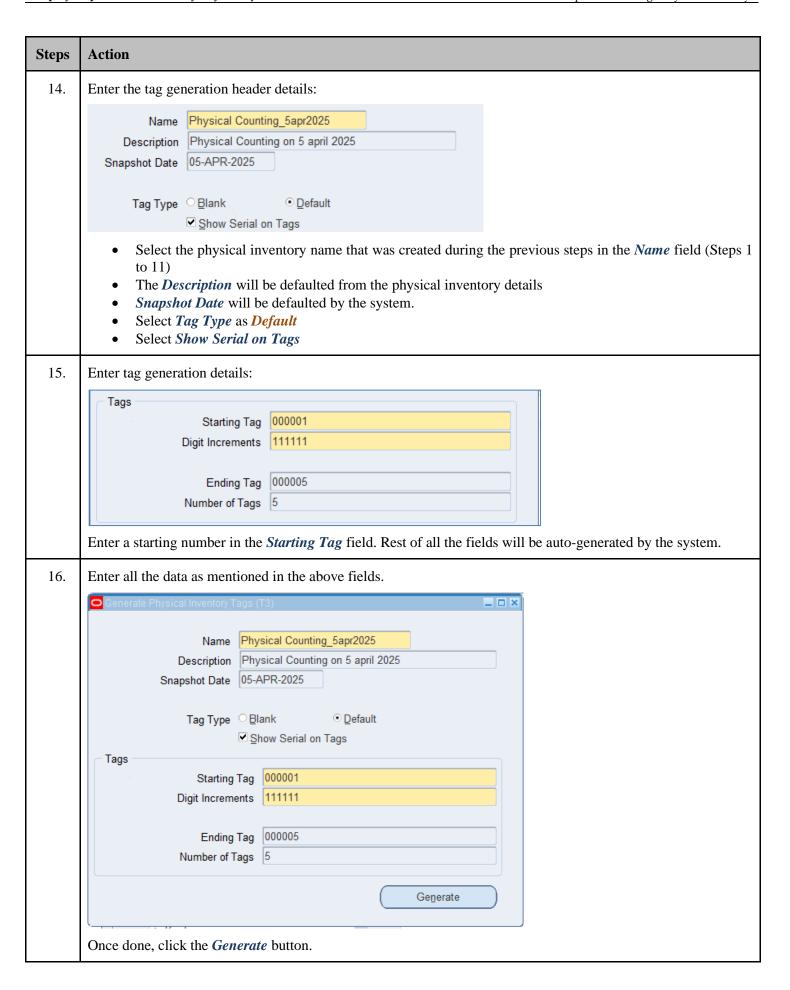
Click **OK** to close the message.

11. Go to the *Concurrent Request* window and check whether the request "*Freeze physical inventory*" is Completed with Normal status.



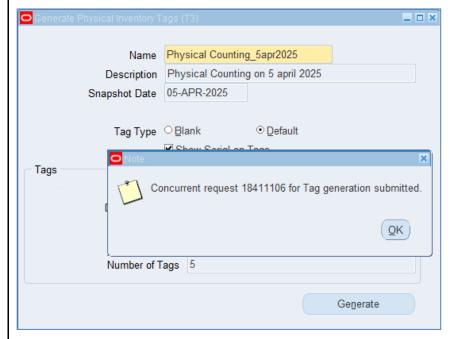
Close the *Requests* and *Define Physical Inventory* window subsequently.





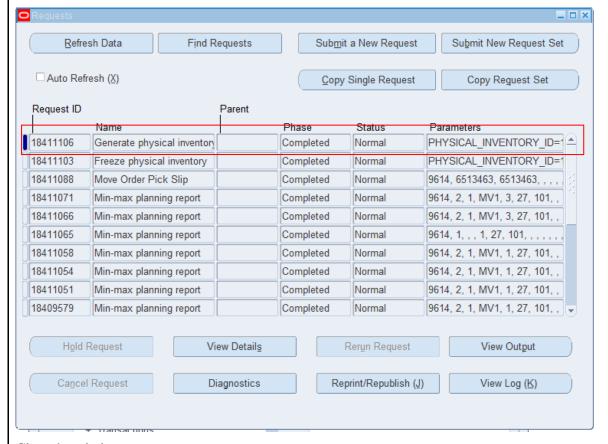
Steps | Action

17. A confirmation note will appear stating that a concurrent request has been submitted for Tag Generation.

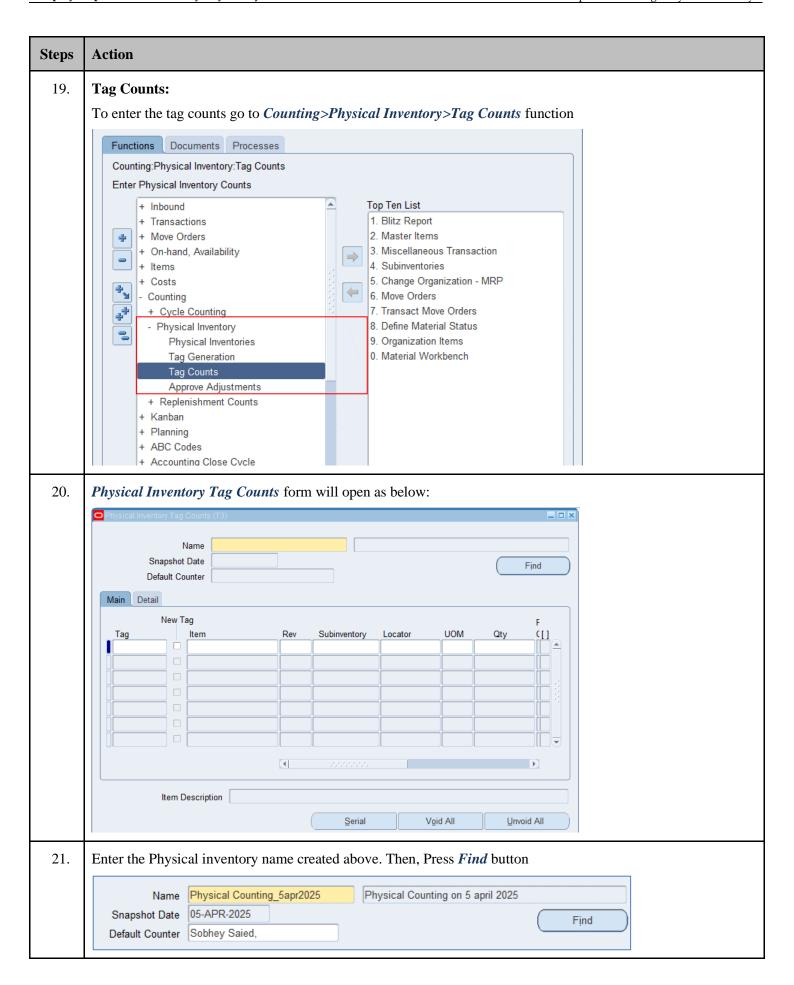


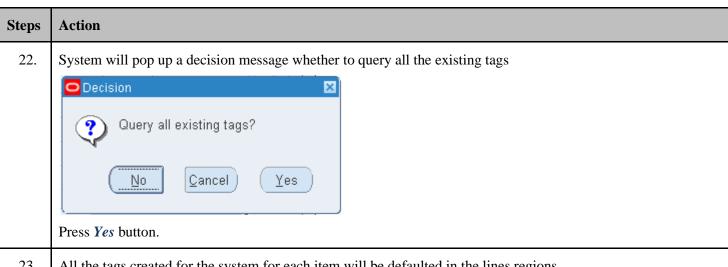
Click **OK** and close the window.

18. Navigate to the Request window and check whether the report named "Generate physical inventory tags" gets completed with normal status.

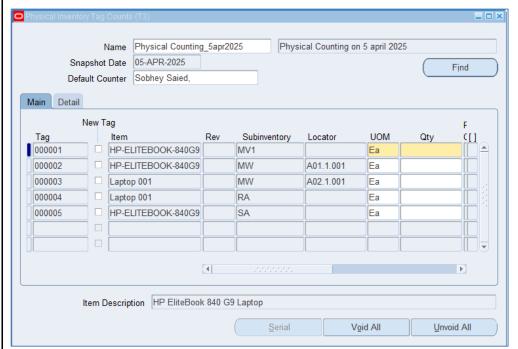


Close the window.

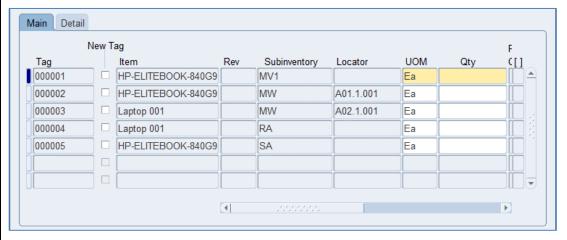




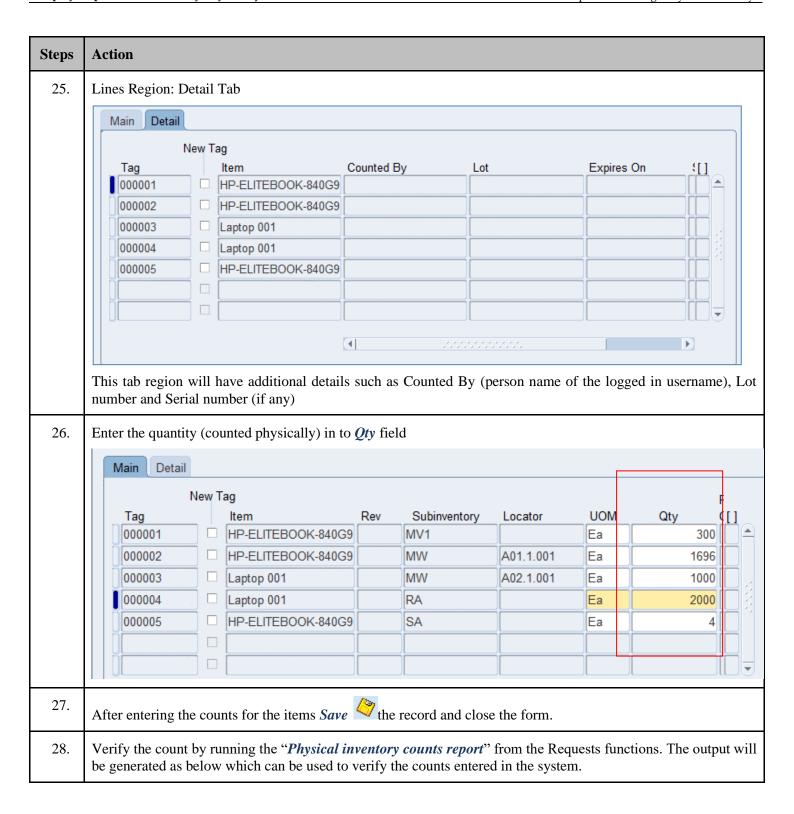
23. All the tags created for the system for each item will be defaulted in the lines regions.

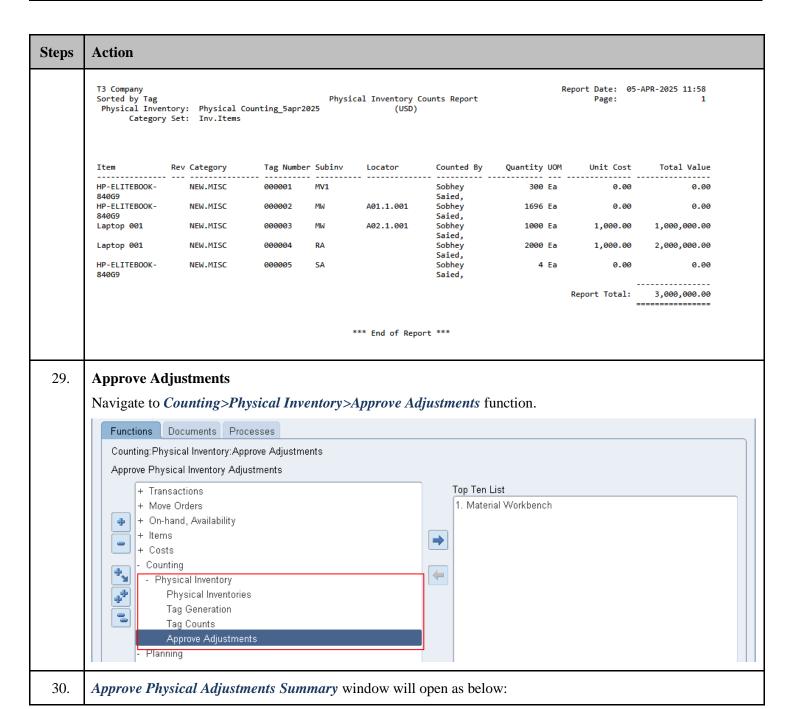


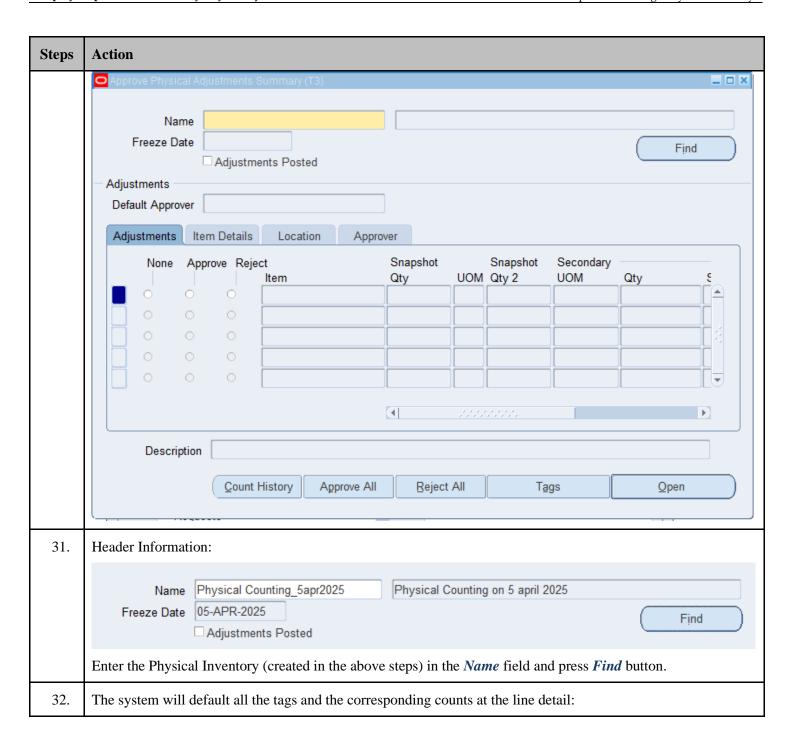
24. Lines Regions: Main Tab

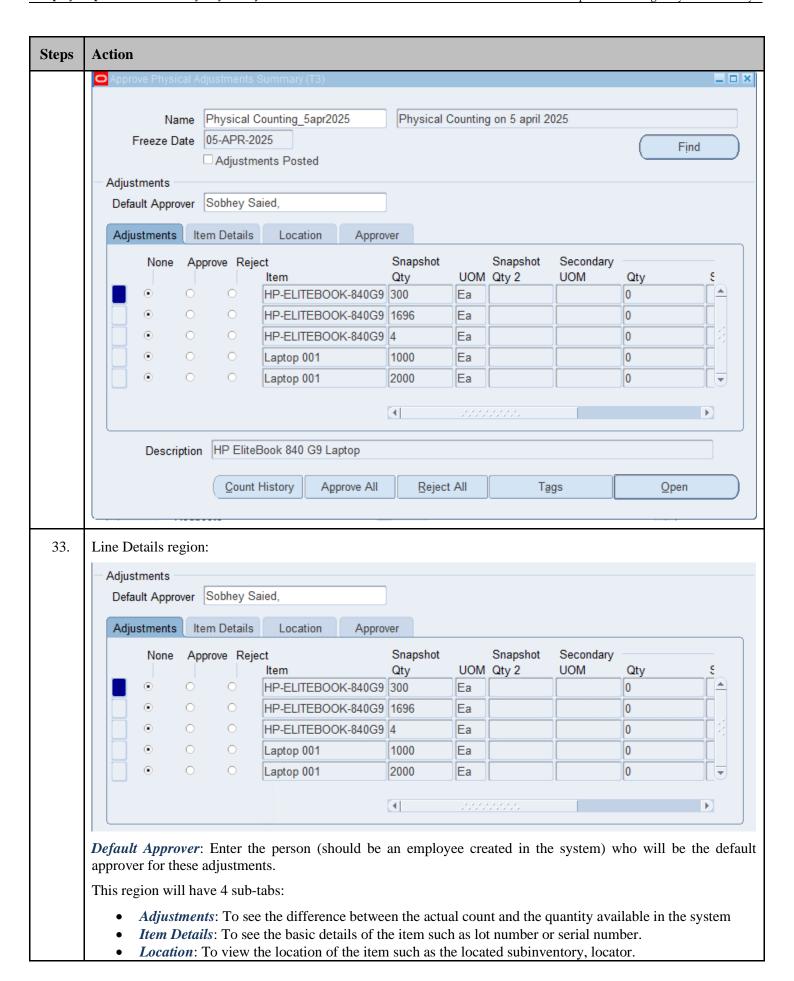


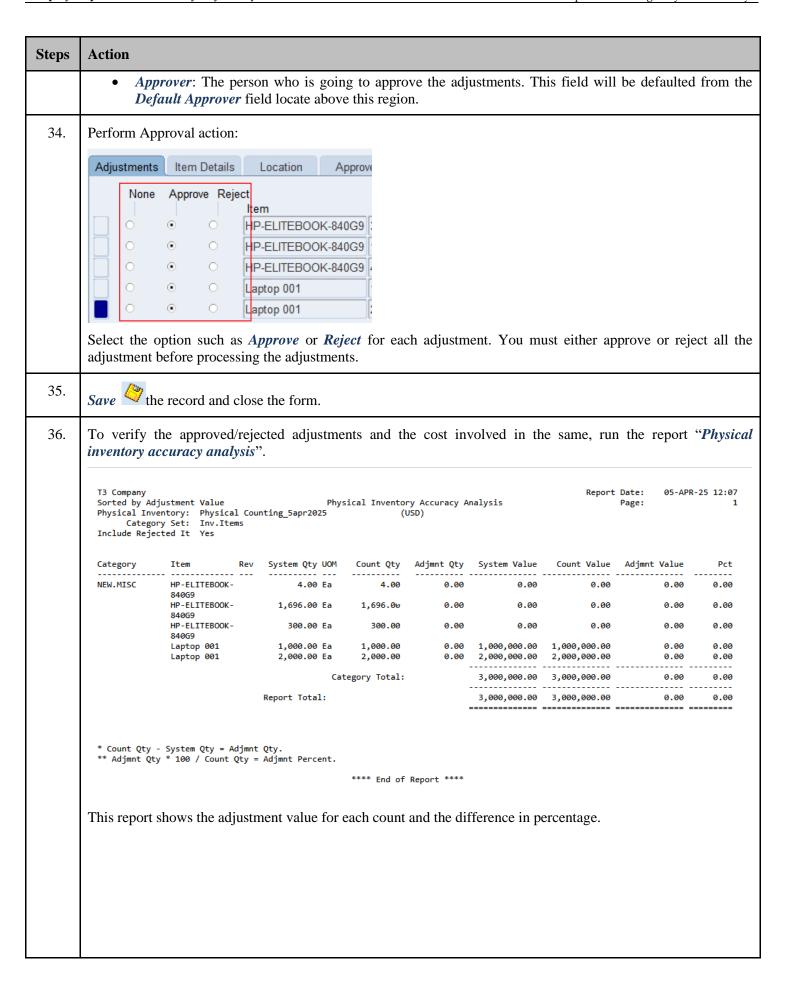
This tab will have the details of the item such as Tag, Item Code, Subinventory, Unit of Measure, and Qty (the field where user has to enter the counted quantity)

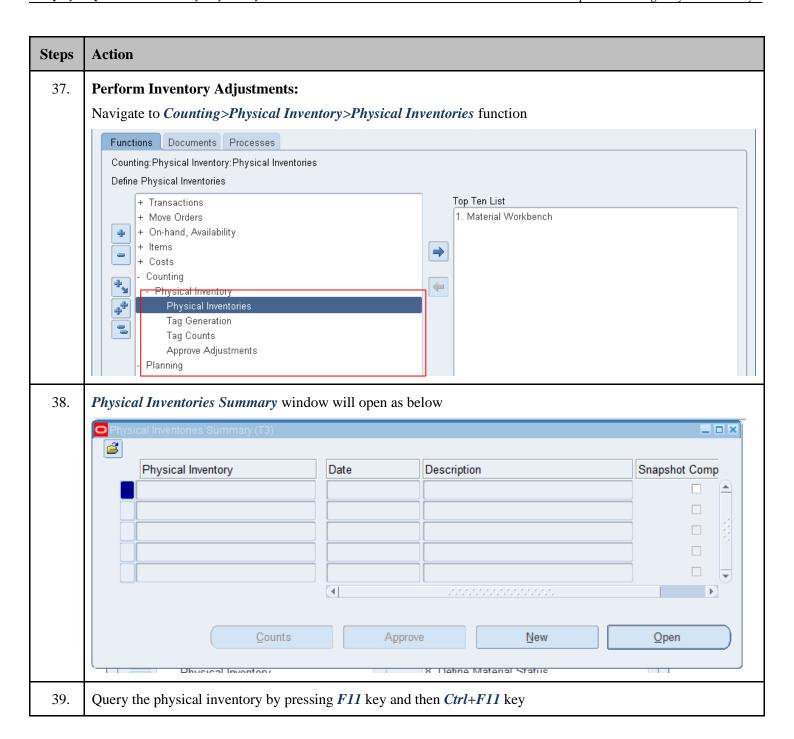


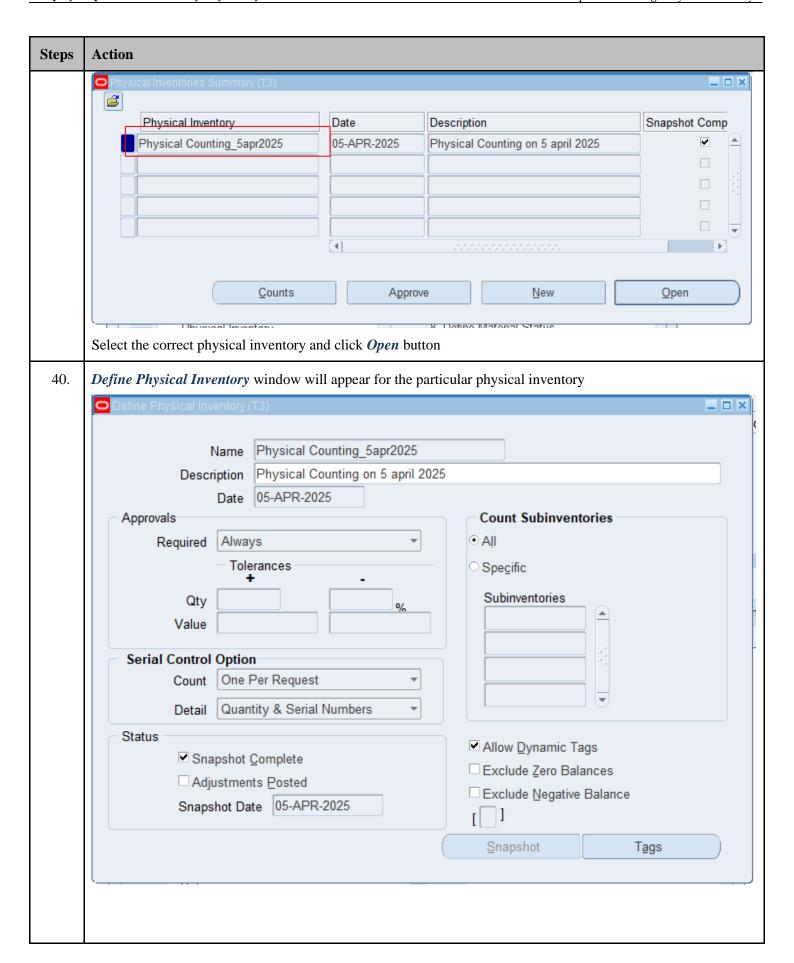


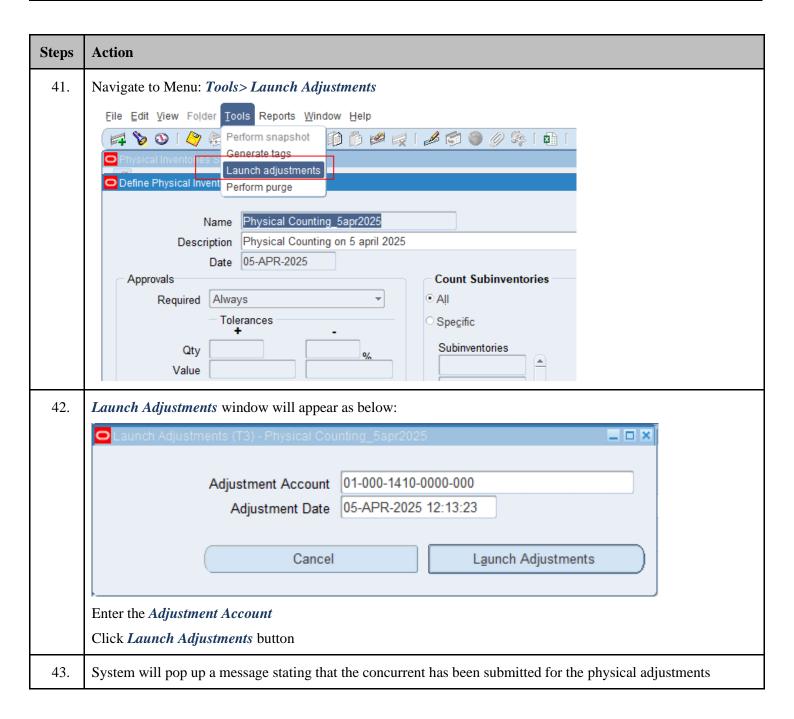


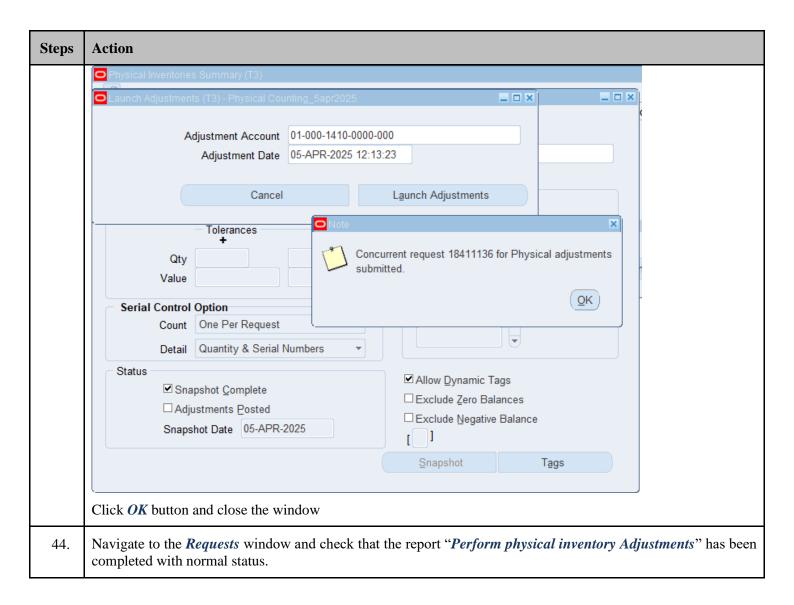


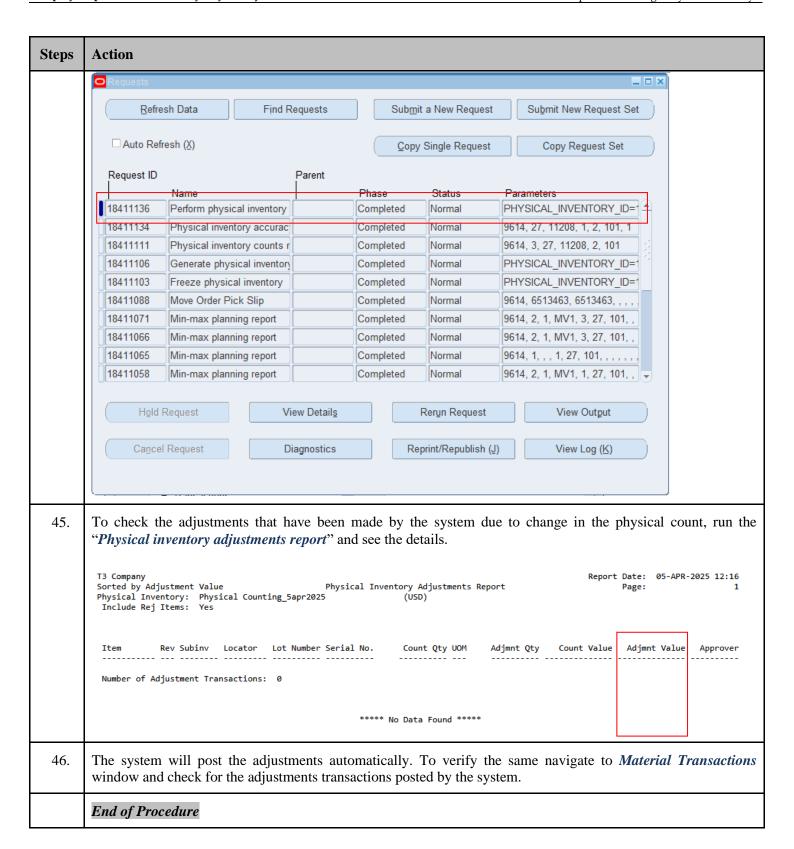




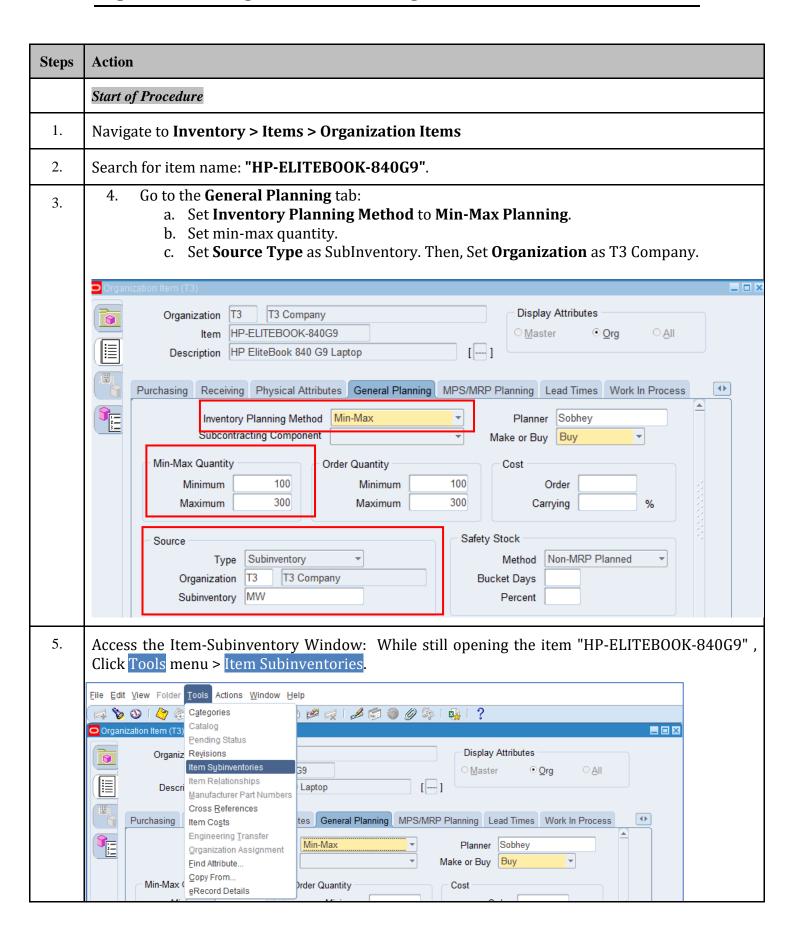


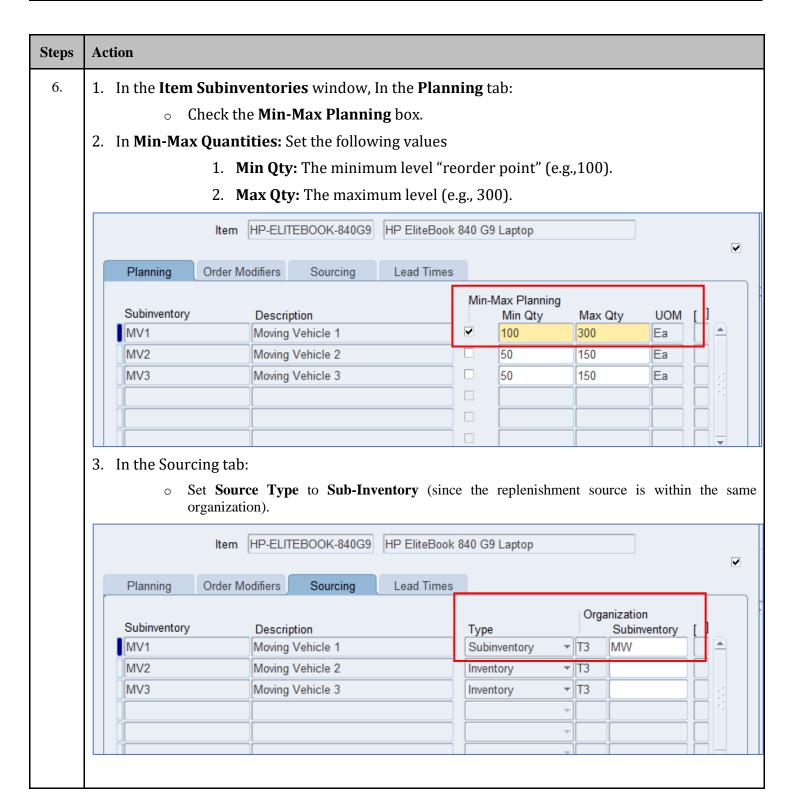


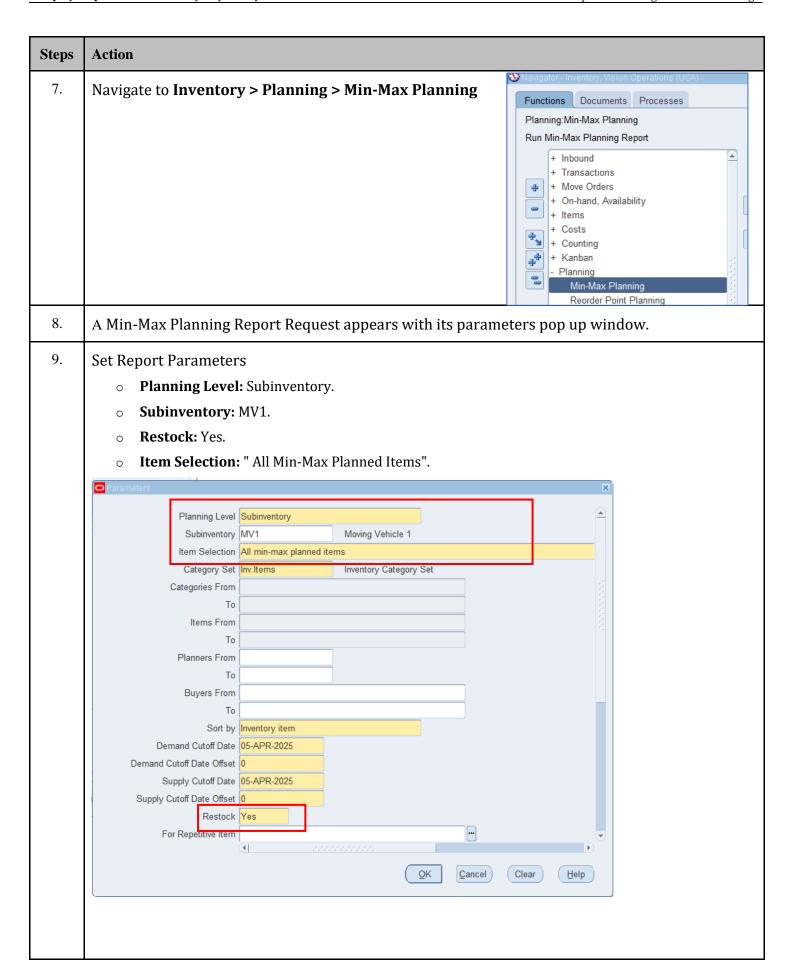


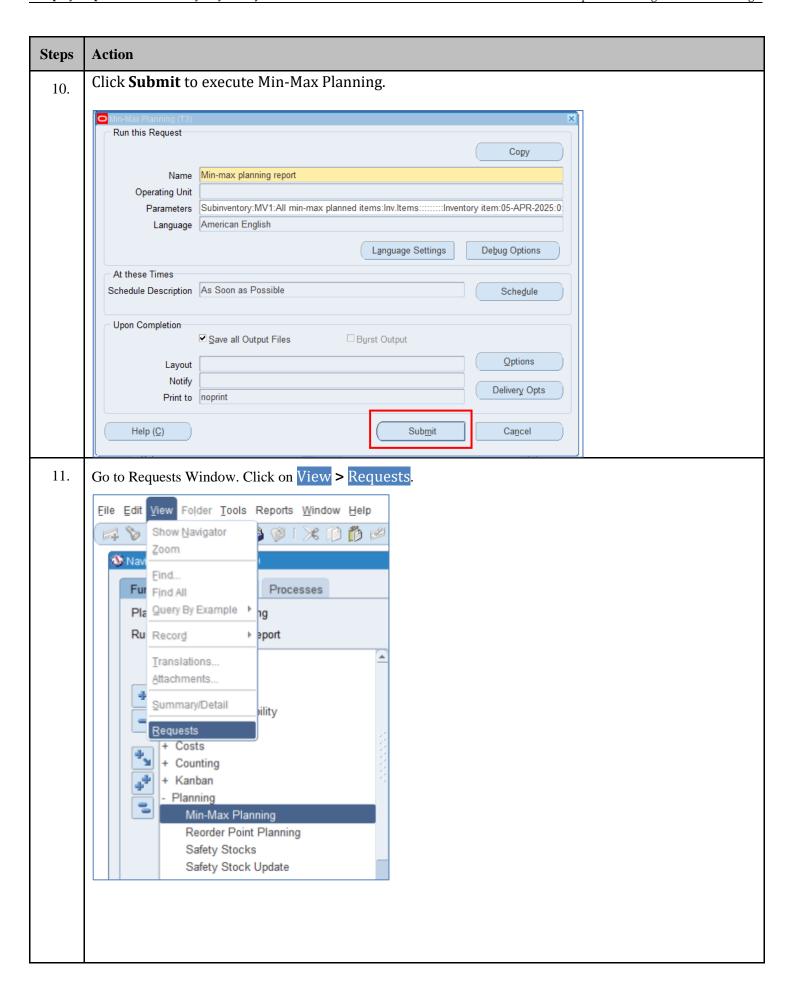


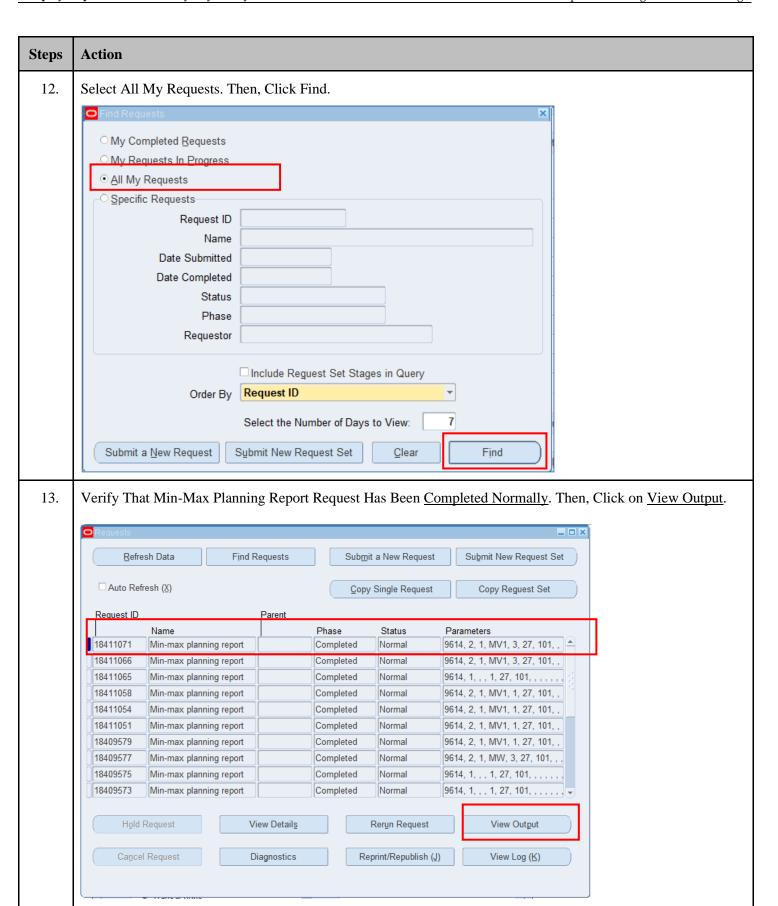
Topic 12: Planning - Min Max Planning

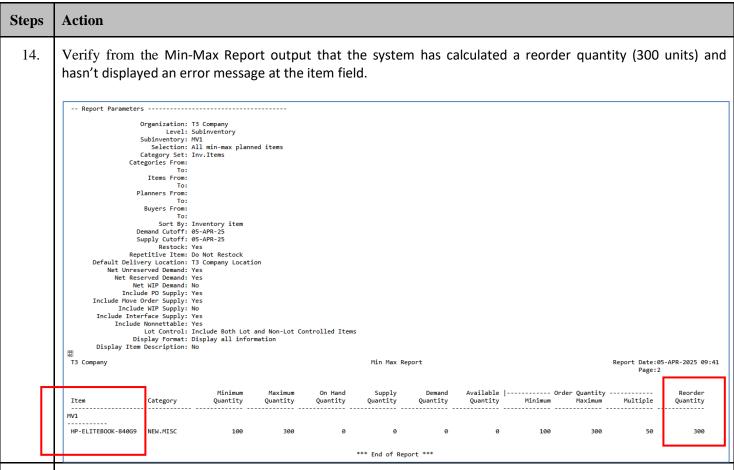






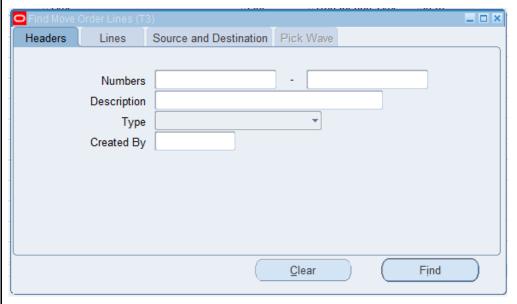


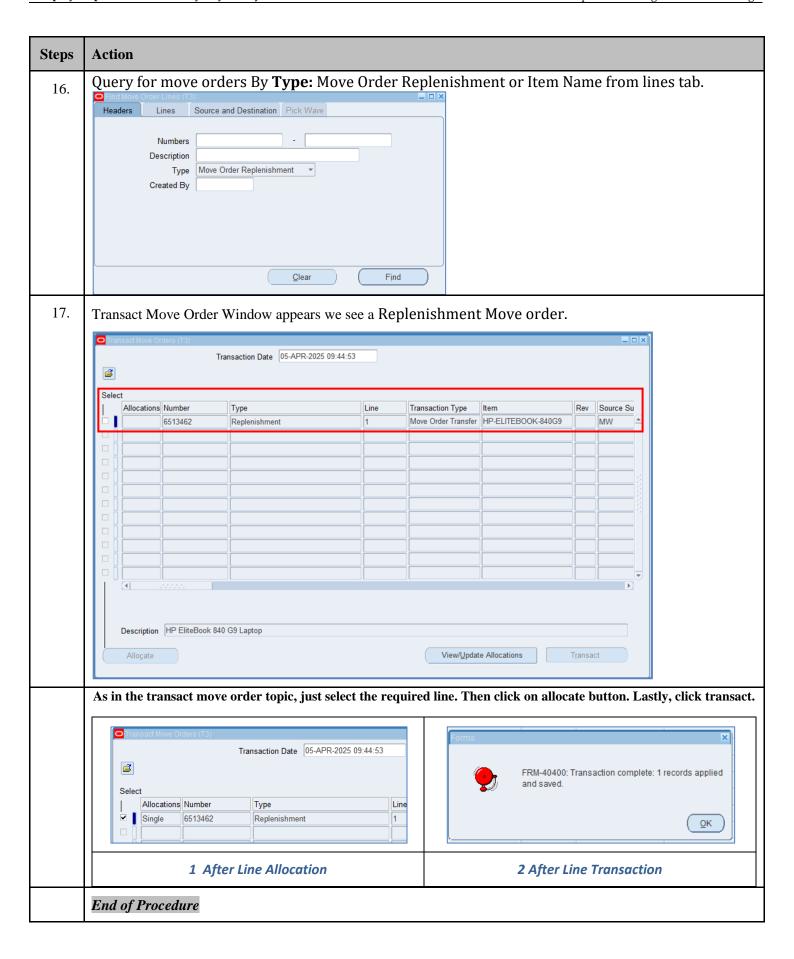




15. Navigate to **Inventory > Transactions > Move Orders > Transact Move Orders**.

Find Move Order Lines Window appears.





Issue Log for this Deliverable

ID	Issue	Resolution	Action By	Status	Action Date
1.					
2.					
3.					
4.					

Oracle EBS R12 Inventory User Guide Extension 1: Key Inventory Reports Generation

1. Introduction to Inventory Reports

Oracle EBS R12 Inventory provides robust reporting tools to moniltor stock levels, track movements, and optimize inventory management. This extension covers the generation of critical reports, including required parameters, navigation paths, and use cases.

2. Key Inventory Reports

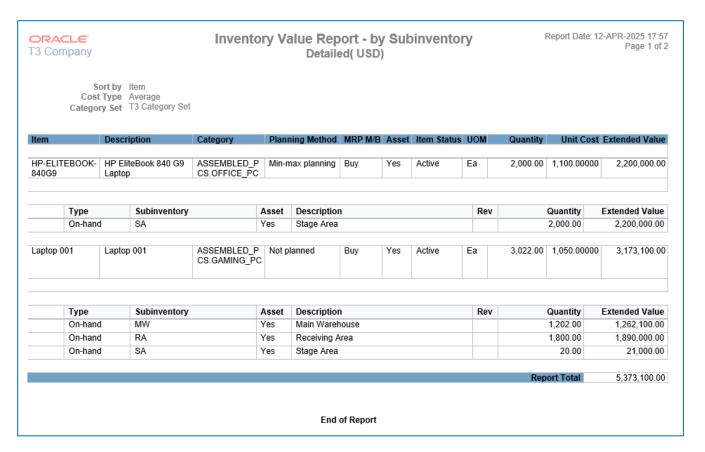
2.1 Inventory Valuation Report

Purpose:

Purpose: Calculate total inventory value by Sub-inventory.

Steps to Generate:

- 1. **Navigate:** *Inventory* > *Requests*
- 2. Search for Request name: Inventory Value Report by Subinventory (XML)
- 3. Parameters:
 - Cost Type: Average
 - Category set: T3 Category Set
 - o Sort Option: Item
 - o Report Option: Detail
 - o Include Zero Quantities: No
 - o Include Unvalued Transactions: No
- 4. **Run Report:** Submit and review output.



Output Example

2.2 Stock Movement

Purpose:

• Track item movements (receipts, issues, transfers) over a specified period.

Steps to Generate:

1. **Navigate:** *Inventory* > *Requests*

2. Search for Request name: Transaction Register

3. Parameters:

- Date Range (e.g., From 1 April to 12 April)
- o *Item Range* (e.g., item: Laptop 001)
- 4. **Run Report:** Submit and review output.

Txn Date Rev	Transaction Type	Source	Subinv	Prim Quantity		Unit Cost	Valu
04-APR-25	T3@PO Receipt		RA	3,000.00	Ea	1,000.00000	3,000,000.0
04-APR-25	T3@Move Order Transfer	6513458	RA	-1,000.00	Ea	1,000.00000	-1,000,000.0
04-APR-25	T3@Move Order Transfer	6513458	MW	1,000.00	Ea	1,000.00000	1,000,000.0
06-APR-25	PO Receipt	270	RA	20.00	Ea	550.00000	11,000.0
07-APR-25	Return to Vendor	270	RA	-1.00	Ea	550.00000	-550.0
07-APR-25	T3@Sub-Inventory Transfer		RA	-20.00	Ea	997.16794	-19,943.3
07-APR-25	T3@Sub-Inventory Transfer		SA	20.00	Ea	997.16794	19,943.3
07-APR-25	T3@PO Receipt		RA	3.00	Ea	1,000.00000	3,000.0
08-APR-25	T3@Sub-Inventory Transfer		RA	-102.00	Ea	997.17075	-101,711.4
08-APR-25	T3@Sub-Inventory Transfer		MW	102.00	Ea	997.17075	101,711.4
08-APR-25	T3@Sub-Inventory Transfer		RA	-100.00	Ea	997.17075	-99,717.0
08-APR-25	T3@Sub-Inventory Transfer		MW	100.00	Ea	997.17075	99,717.0
12-APR-25	T3@Average cost update			0.00	Ea	0.00000	0.0
				Subtotal on	Item	Laptop 001	3,013,450.0
						Total	3,013,450.

Output Example

2.3 Physical Inventory Accuracy Report

Purpose:

- Measure **counting accuracy** by comparing physical counts to system records.
- Identify discrepancies, recurring errors, and process gaps to improve audit reliability.

Prerequisites:

- A **Physical Inventory** must be predefined in *Inventory > Counting > Physical Inventory*.
- **Transactions Frozen:** Ensure no inventory movements during the count.
- Counts Completed: Physical counts must be entered into the system.
- **Adjustments Approved:** Discrepancies resolved via *Inventory > Counting > Adjustments*.

Steps to Generate:

- 1. **Navigate:** *Inventory* > *Requests* > *Run* \rightarrow *Submit a New Request.*
- 2. Search for Program:
 - o Name: *Physical Inventory Accuracy Analysis (XML)*.
- 3. Parameters:

- **Physical Inventory Name:** Select the predefined count (e.g., *PhysicalCounting_5Apr2025*).
- Category Set: T3 Category Set (to filter items by T3's classification).
- 4. **Run Report:** Click **Submit** to generate the analysis.

	ysical Inventory	Adjustment Value Physical Counting T3 Category Set Yes	_5apr202	25					
Category	Item	Rev System	Qty UO	Count Qty	Adimnt Qty	System Value	Count Value	<u>Adimnt</u> Value	Pct
ASSEMBLED PC	Laptop 001	2 000	00 Ea	2.000.00	0.00	2.000,000.00	2.000.000.00	0.00	0.00
B.GAMING_PC	Laptop 001		00 <u>Ea</u>	1,000.00	0.00	1,000,000.00	1,000,000.00	0.00	0.00
					Category Total	3,000,000.00	3,000,000.00	0.00	0.00
ASSEMBLED_PC S.OFFICE PC	HP-ELITEBOO K-840G9	1,696	.00 <u>Ea</u>	1,696.00	0.00	0.00	0.00	0.00	0.00
_	HP-ELITEBOO K-840G9	300	.00 <u>Ea</u>	300.00	0.00	0.00	0.00	0.00	0.00
	HP-ELITEBOO K-840G9	4	.00 <u>Ea</u>	4.00	0.00	0.00	0.00	0.00	0.00
					Category Total	0.00	0.00	0.00	0.00
					Report Total	3,000,000.00	3,000,000.00	0.00	0.00
* Count Qty - Sy	stem Qty = Adin	nnt Qty. Adimnt Percent.							

Output Example

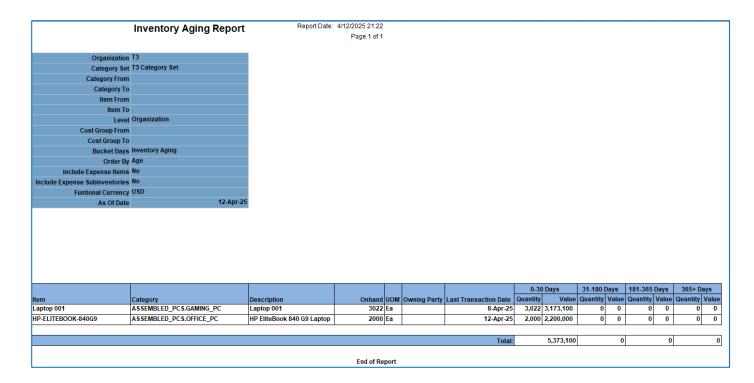
2.4 Inventory Aging Report

Purpose:

• Identify slow-moving or obsolete stock.

Steps to Generate:

- 1. Navigate: Inventory > Requests > Run \rightarrow Submit a New Request.
- 2. Search on: *Inventory Aging Report (XML)*
- 3. Parameters:
 - o Category Set: T3 Category Set
 - o Level: Organization
 - o Order By: Age

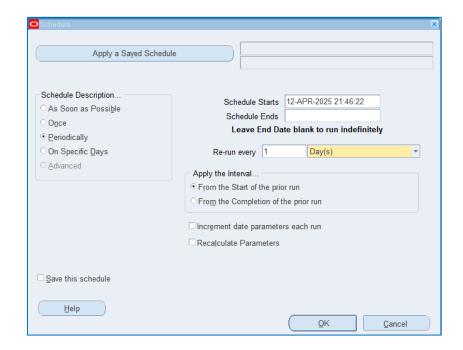


Output Example

3. Advanced Features

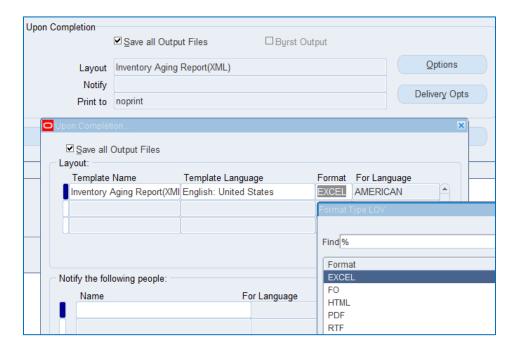
3.2 Scheduling Reports

- 1. While trying to Submit Requests, Click on Schedule Button.
- 2. Set frequency (e.g., Once, Periodically, or On-Specific Days).



3.3 Exporting Data

• While trying to Submit Requests, Specify Output format by Export reports to Excel/Docx/PDF via the *Layout options* button.



End of Guide Extension

1. Introduction to Average Costing

Oracle EBS R12 uses **average costing** to calculate inventory value based on the weighted average of all receipts.

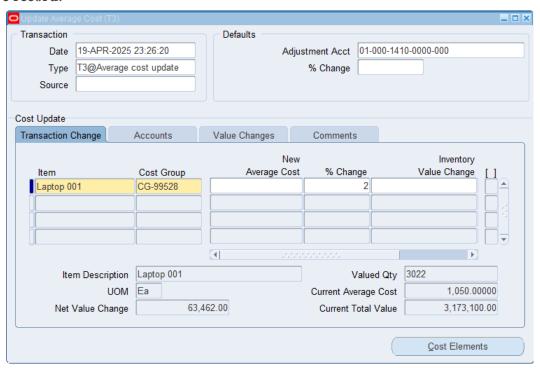
2. Updating Item Costs

2.1 Average Cost Update

Use Case: Recalculate average costs if prices in the market have changed.

Steps:

- 1. **Navigate:** *Inventory* > *Costs* > *Average Cost Update*.
- 2. **Select transaction type for cost update:** T3@Average cost update
- 3. **In Adjustment Account:** Select account to be charged for this cost change.
- 4. **In transaction change tab**: query item and add percent of cost change.
- 5. Save record.



3. Key Reports for Cost Management

• Navigate: *Inventory > Reports > Costs > All.*

3.1 Item Cost Reports

- **Key Parameters:** Cost Type (Average), Category set(T3).
- Sample example:

T3 Company Report Sort: Item Cost Type: Aver Category Set: T3 C	age	or		Item Cost Sub-Eleme			F	Report	Date: Page:	19-APR-2 1	025	23:43
Item / Description	UOM	Category	Status	Sub-Element		Description				Unit Cost	:	%
CPU-I7-13700K Intel Core i7-13700K C		COMPONENTS.CPU	Active				Total Unit	Cost:		200.00000		90.00
HP-ELITEBOOK-840G9 HP EliteBook 840 G9 La			Active				Total Unit	Cost:		100.00000		90.00 90.00
Laptop 001 Laptop 001		ASSEMBLED_PCS.G AMING_PC	Active				Total Unit	Cost:		071.00006 		0.00 00.00
Item /									-,			
				***** End of Re	port ****							

3.2 Inventory Value Report - by Cost Group

- **Key Parameters:** Cost Type (Average), Category set(T3).
- Sample example:

T3 Company Sort by Item Cost Type: Average Category Set: T3 Categor		In	-		Report led (U	- by Cos SD)	t Group		19-APR-2025 23:49 19-APR-2025 23:48:3: 1
Project Nur	mber:	Project Name:							
Item	Description	Category	Planning Method			Item Status	иом	Quantity Unit Co	st Extended Value
HP-ELITEBOOK- 840G9	HP EliteBook 84	ASSEMBLED_PCS.0	Min-max	Buy	Yes	Active	Ea	2,000.00 1,100.000	00 2,200,000.00
	Cost Group	Description					Rev	Quantity Extende	d Value
	CG-99528							2,000.00 2,200	,000.00
Laptop 001	Laptop 001	ASSEMBLED_PCS.G	Not plan	Buy	Yes	Active	Ea	3,022.00 1,071.000	00 3,236,562.00
	Cost Group	Description					Rev	Quantity Extende	d Value
	CG-99528							3,022.00 3,236	,562.00
								Report Total:	5,436,562.00
			***	** En	d of R	eport ***	**		

4. Best Practices

- Avoid updates during financial period closures.
- **Document** manual cost changes for audit purposes.

5. Example Scenario

Scenario: T3 Company purchases 100 laptops at 500 each. Later, 50 more are bought at 500 each. Later, 50 more are bought at 550.

Average Cost Calculation:

- Total Cost = $(100 \times 500) + (50 \times 500) + (50 \times 550) = $77,500$
- Total Quantity = 150 units
- New Average Cost = **\$516.67/unit**

Result: All future issues/transfers use \$516.67 until the next cost update.

End of Guide Extension