

Locator Control/ Stock Control: -

Organization/sub inventory/rows/ racks/bin → R1.RK2.BIN2

In Oracle Fusion, locators are physical areas within a sub inventory where inventory items are stored. They can be used to track item quantities, **restrict items to specific areas**, and more.

In Oracle Fusion, locators are used to identify physical areas where inventory items are stored, such as rows, racks, bins, or shelves. When the physical location structure is row/rack/bin, the locator flexfield structure is row/rack/bin/project/task

Ex:- Row, rack and bin

1. Create inventory Value set
2. Create Inventory Locator Key flexfield structure
3. Create Locator Key flexfield structure Instance
4. Deployment
5. Create segment values

Sample data:

Row	Rack
R1	RK1,RK2,RK3
R2	RK1,RK2,RK3
R3	RK1,RK2,RK3

Row	Rack
R1	RK1,RK2,RK3
R2	RK1,RK2,RK3
R3	RK1,RK2,RK3

1. Create inventory Value set :-

The screenshot shows the Oracle Fusion interface for Manufacturing and Supply Chain Materials Management. On the left, there's a sidebar titled 'Functional Areas' listing various setup categories like Initial Users, Enterprise Profile, Legal Structures, etc. In the center, under 'Inventory Management', there's a list of tasks. One task, 'Manage Inventory Value Sets', is highlighted with a yellow background. The interface has a dark theme with orange and white text.

Manage Inventory Value Sets ⑦

Search

** Value Set Code

** Validation Type

** Value Data Type

** Module

** Description

At least one is required

Search Results

Action	Value Set Code	Module	Validation Type	Value Data Type
Actions	Value Set Code	Module	Validation Type	Value Data Type
	Protected	Description		

No search conducted.

Row → Independent
Rack→ Depended

Create Value Set ⑦

Value Set Code CS ROW

Description CS ROW

Module Inventory Management

Validation Type Independent

Value Data Type Character

Security enabled

Data Security Resource Name Edit Data Security

Definition

Value Subtype Text

Maximum Length 10

Minimum Value

Maximum Value

Uppercase only

Zero fill

Rack is dependent
Save and close.

Create Value Set ⑦

Value Set Code CS RACK

Description CS RACK

Module Inventory Management

Validation Type Dependent

Value Data Type Character

Security enabled

Data Security Resource Name Edit Data Security

Definition

Value Subtype Text

Maximum Length 10

Minimum Value

Maximum Value

Uppercase only

Zero fill

Independent Value Set

Value Set Code CS ROW

Description CS ROW

2. Manage Inventory Locator Key Flexfield:-

The screenshot shows the Oracle Vision application interface. The top navigation bar displays the setup: "Manufacturing and Supply Chain Materials Management". The left sidebar lists various functional areas such as Initial Users, Enterprise Profile, Legal Structures, Financial Reporting Structures, Organization Structures, Customers, Suppliers, Facilities, Users and Security, Items, Carriers and Transit Times, Catalogs, and Inventory Management. The "Inventory Management" area is currently selected. The main content area is titled "Inventory Management" and contains a list of tasks under the "Task" column, including "Manage Inventory Lookups", "Manage Inventory Value Sets", "Manage Inventory Descriptive Flexfields", "Manage Inventory Account Alias Key Flexfield", and "Manage Inventory Locator Key Flexfield". The "Manage Inventory Locator Key Flexfield" task is highlighted with a yellow background. Below this, there are additional tasks like "Manage Inventory Transaction Sources and Types", "Manage Material Statuses", "Configure Subinventories", and "Manage Units of Measure Usages". The bottom part of the screen shows a table titled "Search Results" with columns for Application, Key Flexfield Name, Key Flexfield Code, Module, Entity Usages, Deployment Status, Deployment Error Message, and Deployment Date. One row is visible for the "Locator Flexfield" with values: Application - Inventory Management, Key Flexfield Name - Locator Flexfield, Key Flexfield Code - MTLL, Module - Common, Entity Usages - (empty), Deployment Status - ✓, Deployment Error Message - (empty), and Deployment Date - 12/5/24 1:52 PM.

Manage Key Flexfield Structures

Key Flexfield Code MTL

Search

Structure Code: [] Name: []

Search Results

Name Structure Code

No search conducted.

Save and Click on + symbol

Create Key Flexfield Segment

Key Flexfield Code MTL

Structure Code: CS Locator Flexfield

* Segment Code: ROW	* Short Prompt: ROW
* API Name: row	<input checked="" type="checkbox"/> Enabled
* Name: ROW	* Display Width: 20
Description: row	Range Type:
* Sequence Number: 1	* Column Name: SEGMENT1
* Prompt: ROW	* Default Value Set Code: CS ROW

Save and close

Create Key Flexfield Structure

Key Flexfield Code: MTLI

Structure Code: CS Locator Flexfield

* Name	CS Locator Flexfield
Description	CS Locator Flexfield
* Delimiter	<input type="button" value="▼"/>
<input checked="" type="checkbox"/> Enabled	

Segments

Actions	View	Format	+	Freeze	Detach	Wrap	
Sequence Number	Name	Segment Code		Column Name	Prompt	Enabled	
1	ROW	ROW		SEGMENT1	ROW	<input checked="" type="checkbox"/>	

Again, Click on +

Create Key Flexfield Segment

Key Flexfield Code: MTLI

Structure Code: CS Locator Flexfield

* Segment Code	RACK
* API Name	rack
* Name	RACK
Description	RACK
* Sequence Number	2
* Prompt	RACK

* Short Prompt	RACK
<input checked="" type="checkbox"/> Enabled	
* Display Width	20
Range Type	<input type="button" value="▼"/>
* Column Name	SEGMENT2
* Default Value Set Code	CS.RACK

Save and close.

Create Key Flexfield Structure

Key Flexfield Code: MTLI

Structure Code: CS Locator Flexfield

* Name	CS Locator Flexfield
Description	CS Locator Flexfield
* Delimiter	<input type="button" value="▼"/>
<input checked="" type="checkbox"/> Enabled	

Segments

Actions	View	Format	+	Freeze	Detach	Wrap	
Sequence Number	Name	Segment Code		Column Name	Prompt	Enabled	
1	ROW	ROW		SEGMENT1	ROW	<input checked="" type="checkbox"/>	
2	RACK	RACK		SEGMENT2	RACK	<input checked="" type="checkbox"/>	

Save and close ,

Done

Manage Structure instance: -

Click on + symbol

Save and close

Create Key Flexfield Structure Instance ②

Key Flexfield Code MTLL

* Structure Instance Code CS Locator Flex

* API name CSLOCATORFLEX

* Name CS Locator Flex

Description CS Locator Flex

Enabled

Dynamic combination creation allowed

* Structure Name CS Locator Flexfield

Segment Instances

Actions	View	Format	Freeze	Detach	Wrap
Segment Code	Value Set Code				
ROW	CS ROW	✓	✓	Optional	
RACK	CS RACK	✓	✓	Optional	

Edit Key Flexfield Segment Instance: ROW

Segment Code ROW

* Value Set Code CS ROW

Required

Displayed

BI enabled

Default Type

* Query Required Optional

OK Cancel

Required	Displayed	Query Required
—	✓	Optional
—	✓	Optional

Create Key Flexfield Structure Instance ②

Key Flexfield Code MTLL

* Structure Instance Code CS Locator Flex

* API name CSLOCATORFLEX

* Name CS Locator Flex

Description CS Locator Flex

Enabled

Dynamic combination creation allowed

* Structure Name CS Locator Flexfield

Segment Instances

Actions	View	Format	Freeze	Detach	Wrap
Segment Code	Value Set Code				
ROW	CS ROW	✓	✓	Optional	
RACK	CS RACK	✓	✓	Optional	

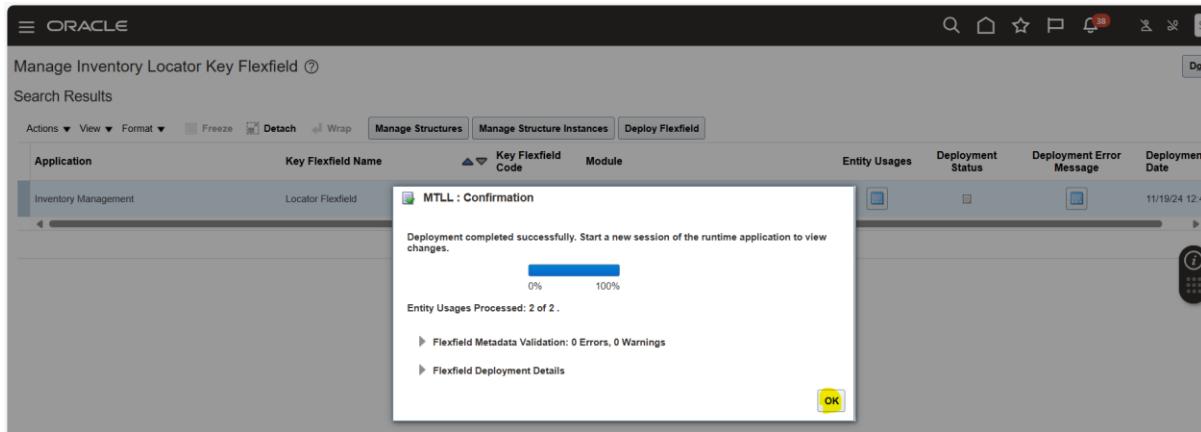
Save and close. Done

Deploy: -

Manage Inventory Locator Key Flexfield ②

Search Results

Actions	View	Format	Freeze	Detach	Wrap	Manage Structures	Manage Structure Instances	Deploy Flexfield	
Application	Key Flexfield Name	Key Flexfield Code	Module			Entity Usages	Deployment Status	Deployment Error Message	Deployment Date
Inventory Management	Locator Flexfield	MTLL	Common			Success	Success	Success	11/19/24 12:45



Deployment completed successfully

Click on done

Create segments: -

Manage inventory value sets:-

Search and add the values

Manage Values

Value Set Code: CS ROW
Description: CS ROW

Search

Value:
Description:

Search Results

* Value	Description	Enabled	Start Date	End Date	Sort Order	External Data Source
R3	Row 3	<input checked="" type="checkbox"/>	m/d/y	m/d/y		
R2	Row 2	<input checked="" type="checkbox"/>	m/d/y	m/d/y		
R1	Row 1	<input checked="" type="checkbox"/>	m/d/y	m/d/y		

Manage Inventory Value Sets

Search

** Value Set Code: CS Rack
** Validation Type:
** Value Data Type:
** Module:
** Description:

** At least one is required

Search Results

Value Set Code	Protected	Description	Module	Validation Type	Value Data Type
CS RACK	—	CS RACK	Inventory Management	Dependent	Character

Key Flexfield Usages Descriptive Flexfield Usages Extensible Flexfield Usages Value Set Usages Related Value Sets

Search with CS Rack, search

Manage Values

Value Set Code: CS RACK
Description: CS RACK

Search

Value:
Description:
Independent Value:

Search Results

* Value	Description	* Independent Value	Enabled	Start Date	End Date	Sort Order	External Data Source
RK4	Rack 4	R1	<input checked="" type="checkbox"/>	m/d/y	m/d/y		
RK3	Rack 3	R1	<input checked="" type="checkbox"/>	m/d/y	m/d/y		
RK2	Rack 2	R1	<input checked="" type="checkbox"/>	m/d/y	m/d/y		
RK1	Rack1	R1	<input checked="" type="checkbox"/>	m/d/y	m/d/y		

Save and close.

Create Inventory organization

Assign inventory organization to Item Class

Create Sub inventory

Assigning Inventory roles to the user

Create item and assign it to org

Run LADF changes

Step1:- Create Inventory organization

Click on next

The screenshots show the 'Manage Inventory Organization Parameters' page for 'CS INV ORG'. The top screenshot has 'Locator Control' set to 'Locator control determined at subinventory level', while the bottom screenshot has it set to 'Dynamic entry locator control'. Both screenshots show other settings like Schedule, Time Zone, and various checkboxes for inventory management.

Previously defined locator control:- earlier we have to create the locators(like R1.RK1, R1.RK2 ETC)

Dynamic Entry locator control: no need to maintain all (it can allow new combinations)

Locator control defined at subinventory level:

The screenshot shows the 'Manage Inventory Organization Parameters' page for 'CS INV ORG'. 'Locator Control' is set to 'Dynamic entry locator control'. Other settings include 'Schedule' (12 Hour Monday Start), 'Time Zone' (UTC+00:00 Coordinated Universal Time), and various checkboxes for inventory management.

First we will test

Dynamic entry locator control

Save and close.

Step2:- Assign inventory organization to Item Class

Manage item classes:-

Select your classes, edit on it

Here I have taken root class, click on edit

Add my org, provide the data access.

Use SCM_IMPL,(whatever the user name we are working)

Goto Security,

Name: as user name,

Org: CSINVORG

Save and close

For those access, provide the actions also.

Click on select and add, select all the rules, apply ok

Add the rules

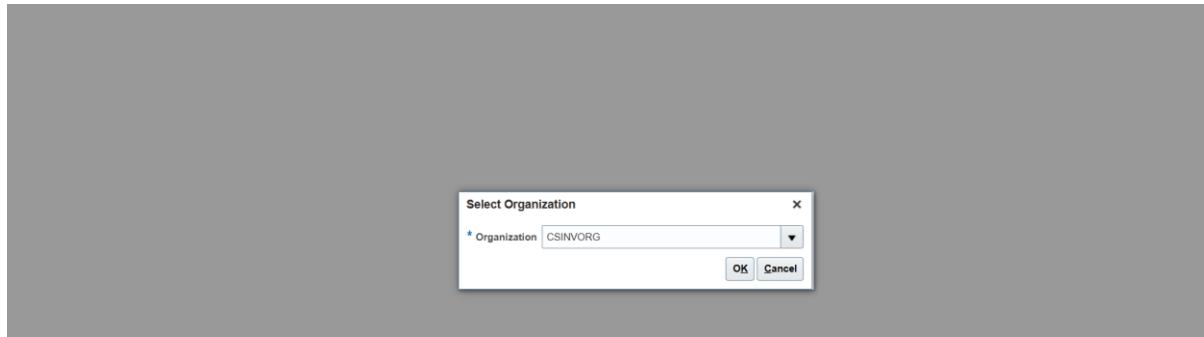
Save and close

done

Step3:-Create subinventory within this org:-

The screenshot shows a browser window with multiple tabs open. The active tab is titled 'manage subinventories and locators'. Below the search bar, there is a table with columns 'Name', 'Type', and 'Details'. A single row is visible, labeled 'Manage Subinventories and Locators' under 'Type'.

Click on that



Enter the inventory org name or change the Org name, where you want to create Sub inventory.

The screenshot shows the 'Manage Subinventories' page. At the top, there is a search bar with filters for 'Subinventory', 'Description', 'Locator Control', 'Subinventory Type', 'Material Status', and 'Active'. The search results table has columns: Subinventory, Description, Active, Material Status, Locator Control, and Subinventory Type. Below the table, there is a 'Subinventory Details' section with various configuration options like 'Locator Control', 'Replenishment Count Method', 'Default Replenishment Count Type', and 'Picking Order'. Buttons for 'Search', 'Reset', 'Add Fields', and 'Reorder' are also present.

Summary

* Subinventory: SUBINV1
Description:
End Date: midyy
* Material Status: Active
Subinventory Type: Storage
Locator Control: Dynamic entry
Location:
Locator Structure: OS Locator Flex
* Default Locator Status: Active
Picking Order:

Asset subinventory
Depreciable
Quantity tracked
PAR location
Oracle Health location
Subinventory Group:
Replenishment Count Method: Count
Default Replenishment Count Type: Order par
Source Type:

Lead Times in Days

Preprocessing:
Processing: Postprocessing:

Sourcing

Enter the details like

Subinventory

Locator Control

Locator structure

Save and close

Manage Subinventories

Confirmation: Your changes were saved.

Subinventory	Description	Active	Material Status	Locator Control	Subinventory Type
SUBINV1		✓	Active	Dynamic entry	Storage

SUBINV1: Subinventory Details

Subinventory: SUBINV1	Locator Control: Dynamic entry
Description:	Subinventory Type: Storage
End Date:	Replenishment Count Method: Count
	Default Replenishment: <input type="text"/>

Done

Step 4:- Manage data access for user

Vision - Welcome E-Mail - Monitor Processes - Search - Overview - Inventory Man. - Users - Security Console - (2) WhatsApp

manage data access for user

Match With: Tasks, Task Lists, Business Objects

Name	Type	Details
Manage Data Access for Users	Task	

User Name	Role	Security Context	Security Context Value
SCM_IMPI	Warehouse	Inventory orga	CSINVORG
SCM_IMPI	Warehouse	Inventory orga	CSINVORG
SCM_IMPI	Inventory	Inventory orga	CSINVORG

Save and Close

Inventory manager

Warehosue manager

Warehouse operator

Added those roles to the user

Save and close

Step 5:- Create item and assign it to org:-

Create Item

* Organization: CSINVORG

Create New Create from Copy

* Number of Items: 1

* Item Class: Root Item Class

Templates

Available List: PTO Option Class, Phantom Item, Planning Item, Product Family, Reference Item, Subassembly, Supply Item

Selected List: Purchased Item

OK

The screenshot shows the Oracle Product Information Management (PIM) interface for creating a new item. The main form has the following fields filled:

- Item:** CS ITEM1
- Description:** ITEM1
- Item Class:** Root Item Class
- Approval Status:** Approved
- Completeness Score:** 0
- Created By:** PSOM_IMPL
- Item Status:** Active
- Lifecycle Phase:** Active
- User Item Type:** Purchased Item
- Pack Type:** (empty)
- Revision:** 0
- Creation Date:** 11/19/24 12:06 PM

Below the main form, there is a message: "No items to display".

At the bottom, there is a navigation bar with tabs: Overview, Specifications, Structures, Attachments, Associations, Relationships, Categories, Quality. The Associations tab is selected.

The Associations grid shows one row of data:

Organization	Organization Name	Item Status	* Primary Unit of Measure	Tracking Unit of Measure	Pricing	Secondary Unit of Measure	Defaulting Control	Positive Deviation Factor	Negative Deviation Factor	Approval Status	Change Order Line	Ch St
CSINWORG	CS INV ORG	Active	Ea	Primary	Primary	-	-	0	0	Approved		

There is a note: "Columns Hidden 3".

Save and close

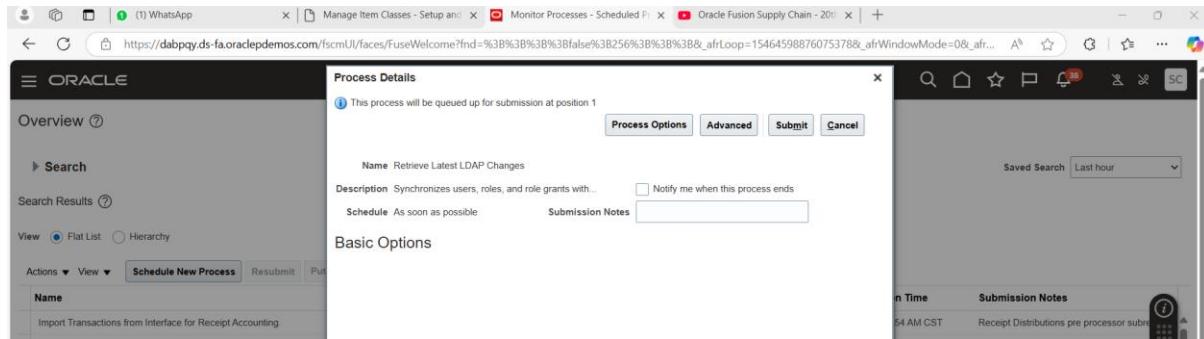
Step 5:- LDAP Changes/ run the schedule process

The screenshot shows the Oracle PIM Overview screen with a modal dialog titled "Schedule New Process". The dialog has the following fields:

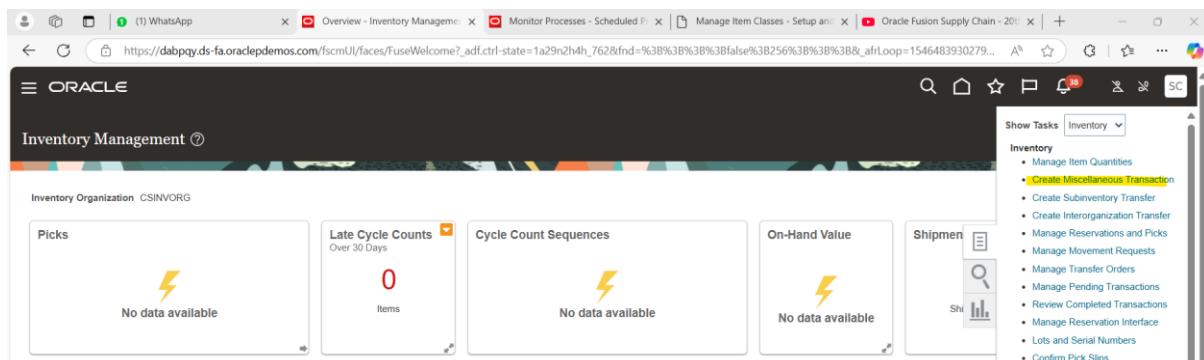
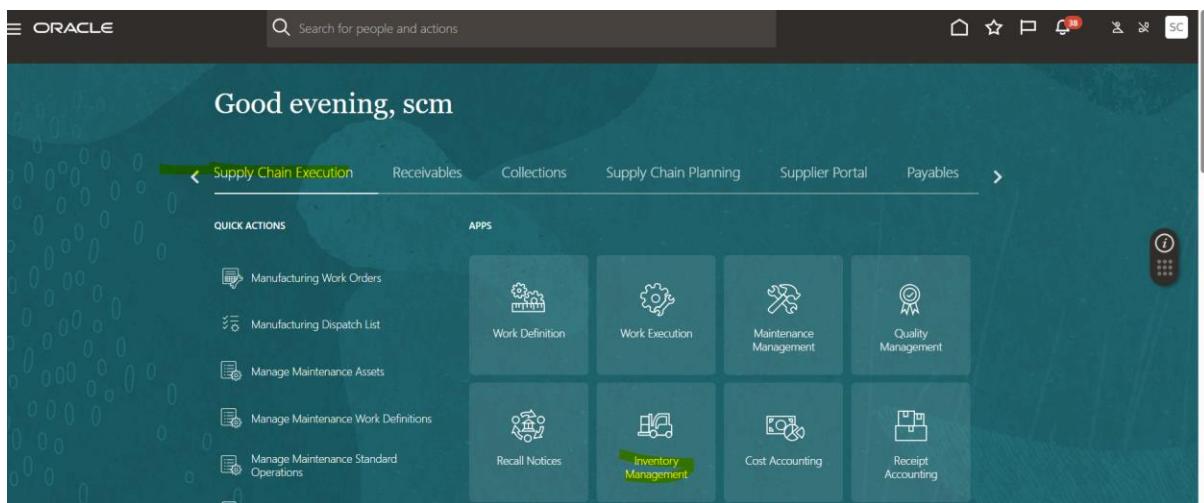
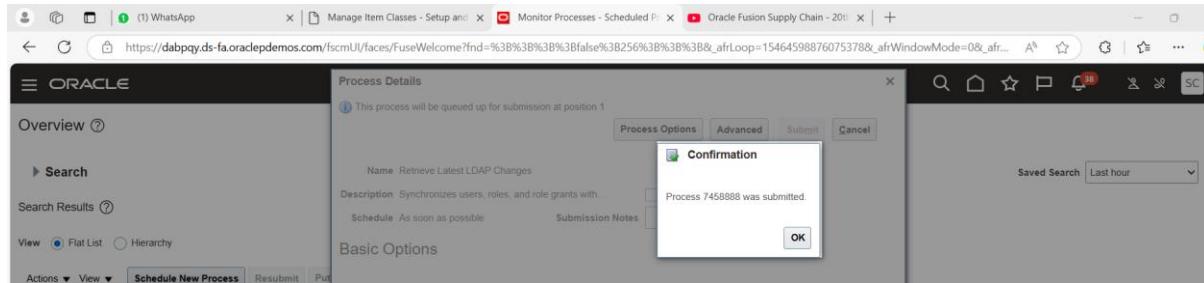
- Type:** Job (radio button selected)
- Name:** Retrieve Latest LDAP Changes
- Description:** Synchronizes users, roles, and role grants with definitions in LDAP.

At the bottom of the dialog are "OK" and "Cancel" buttons.

In the background, the main Overview screen shows various process options like Import Transactions from Interface for Receipt Accounting, Create Receipt Accounting Distributions, etc.



Click on submit



Create Miscellaneous Transaction

Transaction

Date: 11/19/24 12:11 PM
Type: Miscellaneous Receipt
Use Current Item Cost: Yes
Enter transactions by serial numbers:

Locator

Hide Segments

ROW: R1	Row 1
RACK: RK1	Rack1

Search Reset OK Cancel

Transaction Lines

Actions View Generate Lot Generate Serial Number Range Record Lots and Serial Numbers Edit Details

Line	Procurement BU	Revision	Search On-Hand Quantity	* Subinventory Locator	* UOM Name	UOM Conversions	* Quantity	Secondary UOM	Secondary Quantity	* Use Current Item Cost	Unit C
1	SUBINV	RK1	Ea							Yes	

Line 1: Availability

Available Quantity: 0 Ea	Secondary Available Quantity
On-Hand Quantity: 0 Ea	Secondary On-Hand Quantity

Create Miscellaneous Transaction

Transaction

Date: 11/19/24 12:11 PM
Type: Miscellaneous Receipt
Use Current Item Cost: Yes
Enter transactions by serial numbers:

Transaction Lines

Actions View Generate Lot Generate Serial Number Range Record Lots and Serial Numbers Edit Details

Line	* Item	Item Description	Owning Party Site	Owning Party	Procurement BU	Revision	Search On-Hand Quantity	* Subinventory Locator
1	CS ITEM1	ITEM1			SUBINV	R1.RK1		

Line 1: Availability

Available Quantity: 0 Ea	Secondary Available Quantity
--------------------------	------------------------------

Create Miscellaneous Transaction

Transaction

Date: 11/19/24 12:11 PM
Type: Miscellaneous Receipt
Use Current Item Cost: Yes
Enter transactions by serial numbers:

Transaction Lines

Actions View Generate Lot Generate Serial Number Range Record Lots and Serial Numbers Edit Details

Line	Locator	* UOM Name	UOM Conversions	* Quantity	Secondary UOM	Secondary Quantity	* Use Current Item Cost	Unit Cost(USD)	Lot	Expiration Date	From Serial Number	To Serial Number
1	R1.RK1	Ea		20			Yes	Enter Cost Details				

Line 1: Availability

Available Quantity: 0 Ea	Secondary Available Quantity
On-Hand Quantity: 0 Ea	Secondary On-Hand Quantity

Create Miscellaneous Transaction ⑦

Transaction

Date	Type	Account
--- Enter transactions by serial numbers		

Transaction Lines ⑦

Line	* Item	Item Description	Owning Party Site	Owning	Revision	Search On-Hand Quantity	* Subinventory Locator

Availability ⑦

Available Quantity	Secondary Available Quantity
On-Hand Quantity	Secondary On-Hand Quantity

Confirmation
Your transactions processed with no issues.

OK

Manage Item Quantities ⑦

Advanced Search

** Item	CS ITEM1	View Item Quantity By	Item	Saved Search	All Item Quantities
Item Description	Starts with	ITEM1	<input checked="" type="checkbox"/> On Hand	** At least one is required	
** Organization	CSINVORG		<input type="checkbox"/> Receiving		
Subinventory			<input type="checkbox"/> Inbound		

Search Results ⑦

View Item Quantity By	Item	Quantity						
Actions	View	View Item Availability	On Hand	Receiving	Inbound	UOM Name	UOM Conversions	On Hand
	Item CS ITEM1	ITEM1	20			Ea		
	Organization CSINVORG		20			Ea		
	Subinventory SUBINV1		20			Ea		
	Locator R1 RK1		20			Ea		