# **Inventory Min-Max Planning Using Internal Material Transfers**

https://docs.oracle.com/en/cloud/saas/supply-chain-and-manufacturing/24d/faims/overview-of-internal-material-transfers.html

## Setting Up Interorganization Parameters for Transfer Orders: Explained

Use the Manage Interorganization Parameters task to configure rules for interorganization transfer orders and define the relationships between source and destination inventory organizations.

Transfer orders represent demand and supply in a single document. You can transfer material to an inventory destination or an expense destination. Important interorganization parameters for transfer orders include the following:

- Inventory destination transfer type
- Inventory destination receipt routing
- Transfer order required
- Expense destination receipt required
- Expense destination receipt routing
- Cancel backorders

In the Setup and Maintenance work area, use the Manage Interorganization Parameters task in the Manufacturing and Supply Chain Materials Management offering to set your interorganization parameters.

**Inventory Destination Transfer Type** 

Specify either direct or in-transit. This option determines how material should be transferred between two inventory organizations.

**Inventory Destination Receipt Routing** 

Specify the receipt routing for in-transit inventory destination transfer types. Receipt routing options include Standard, Direct, and Inspection.

Transfer Order Required

Indicate whether a transfer order is required for each transfer.

Expense Destination Receipt Required

Indicate whether or not a receipt is required in the destination inventory organization for expense destination transfers going to that destination location. If you select this option, a receipt is required on interorganization expense destination transfer orders between the from and to organizations. If you do not select this option, then the transfer order is considered received and delivered at the time of shipment. This field is available for Expense destination types only.

## Expense Destination Receipt Required

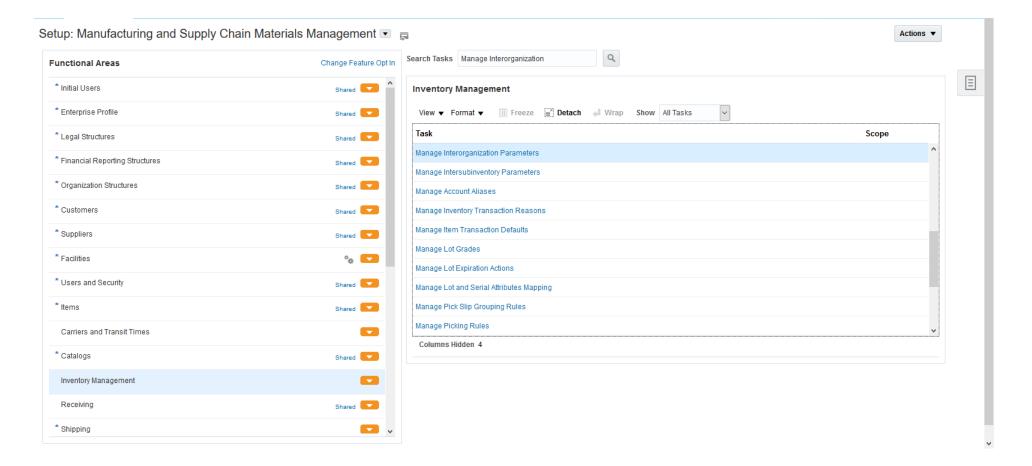
Specify the receipt routing for expense destination transactions. Receipt routing options include Standard, Direct, and Inspection.

### Cancel Backorders

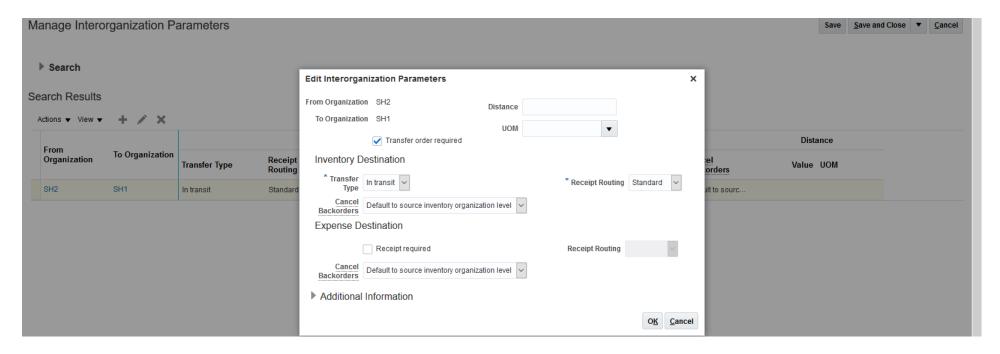
Specify whether or not you want to automatically cancel the remaining quantity on a backordered transfer order line. This option enables you to cancel the remaining quantity on a transfer order line that would normally be backordered when orders cannot be filled due to shortages.

The three possible values for the **Cancel Backorders** option are shown in the following table.

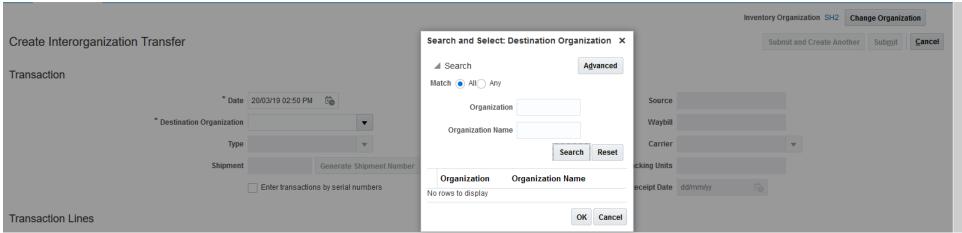
| Cancel Backorders Option                       | Description   |
|--|---|
| Cancel remaining quantities                    | Automatically cancel the remaining quantities on transfer order backorders.                   |
| Do not cancel remaining quantities             | Do not automatically cancel the remaining quantities on transfer order backorders.            |
| Default to source inventory organization level | Use the default set at the inventory source organization level to determine whether or not to |
|  | automatically cancel the remaining quantities on transfer order backorders.                   |



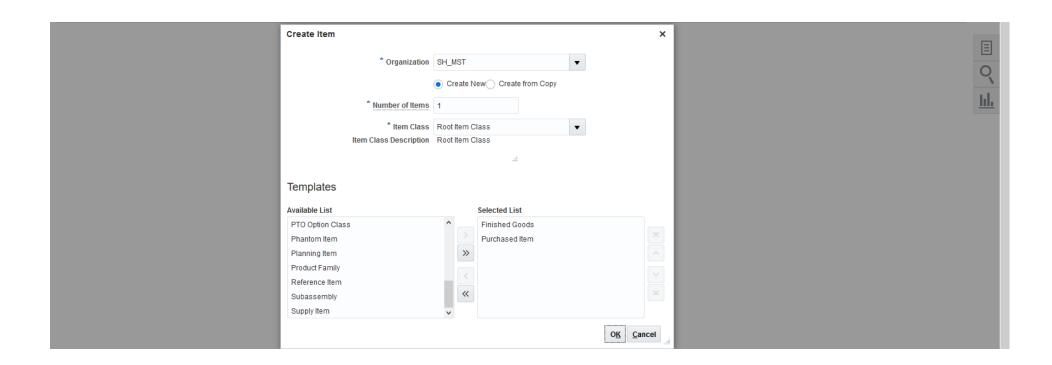
### From SH2 To SH1

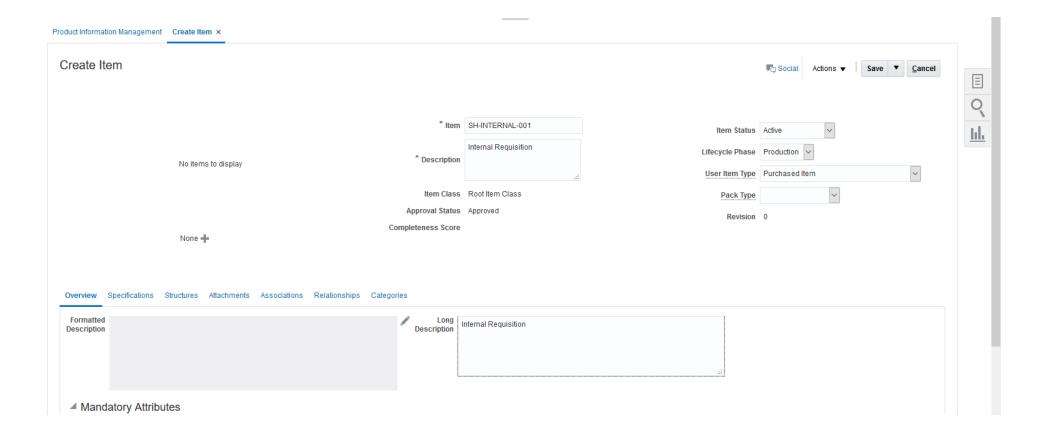


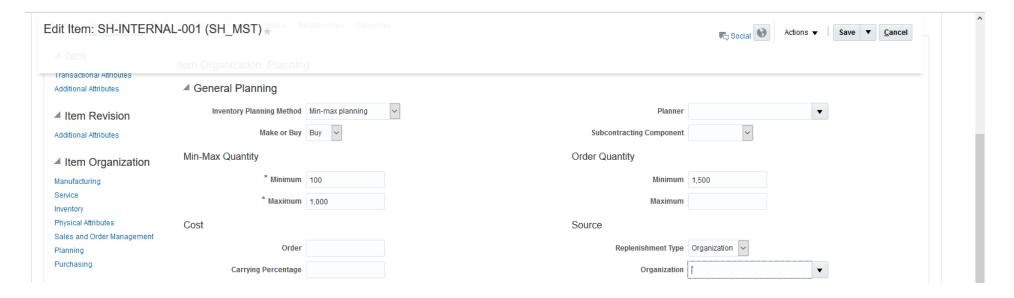
**Try To Create Interorganization Transfer from SH2** 



No Rows to Display

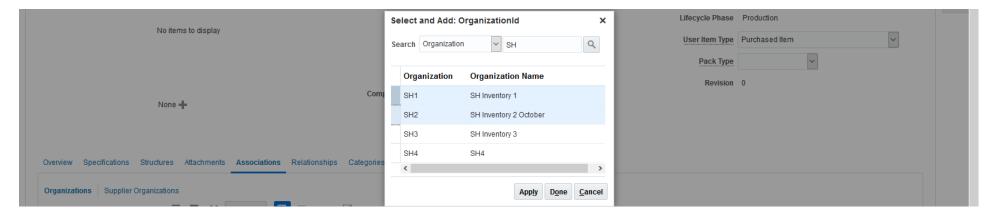






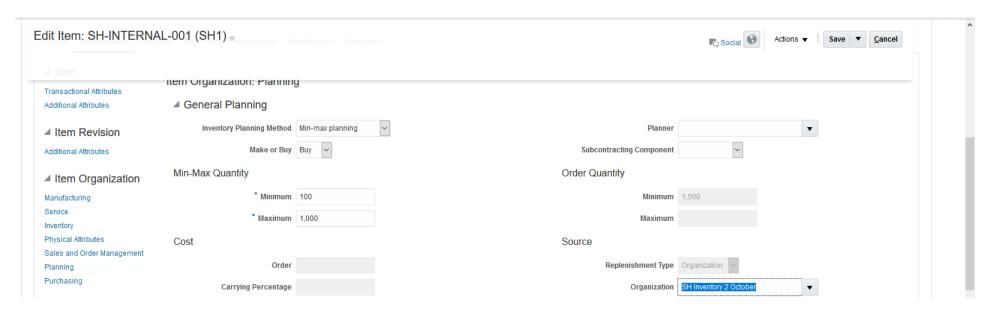
### Save

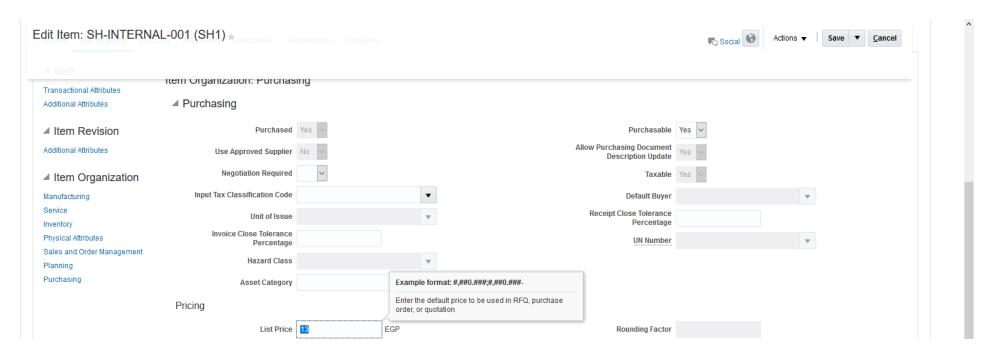
### **Associations**



### Save

### Edit Item SH1

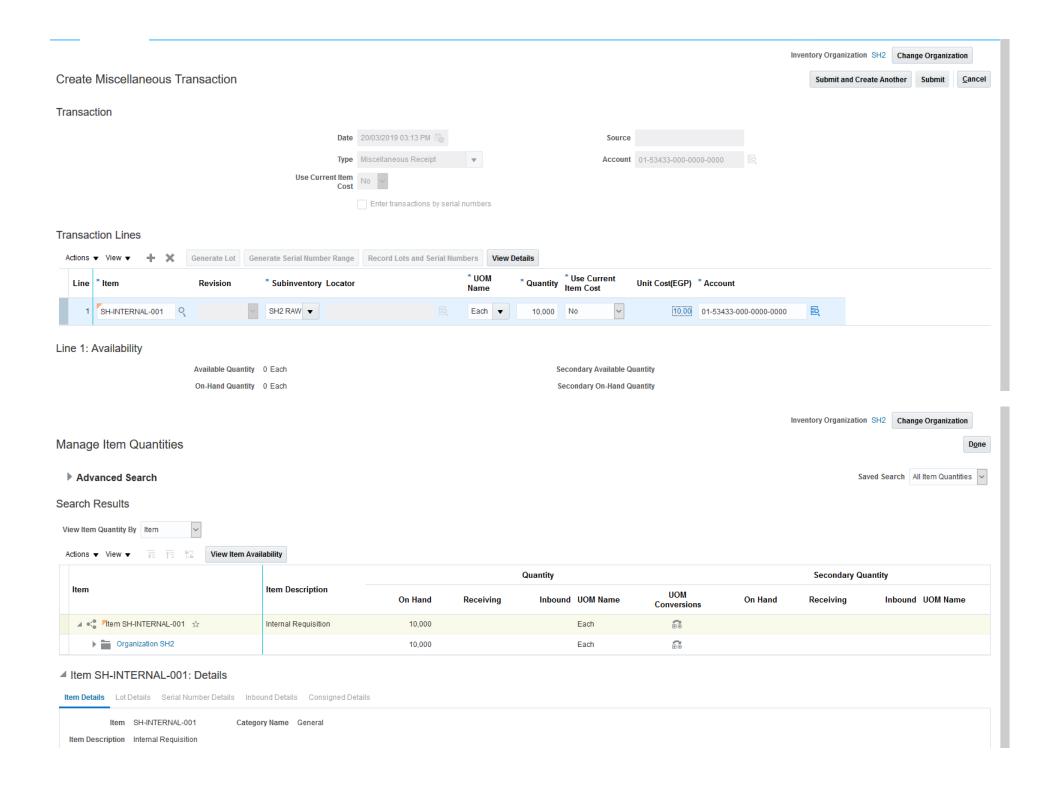




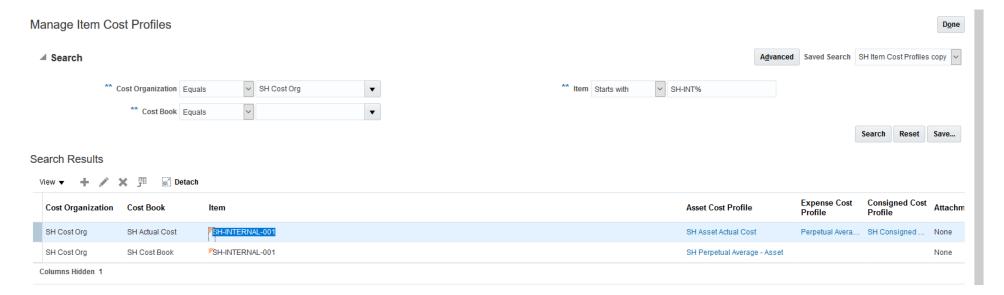
## Create On-Hand Quantity

In order to perform the internal material transfer, on-hand quantity must be created in inventory organization SH2.

An inventory transaction type of miscellaneous receipt will be performed to add on-hand quantity in inventory organization SH2.

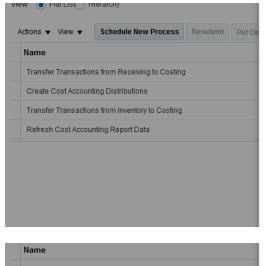


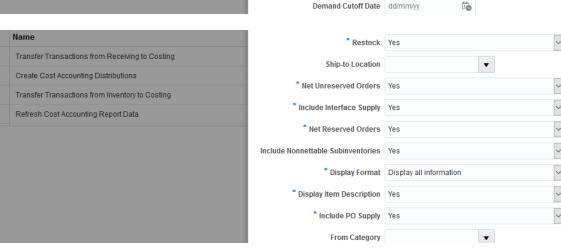
### **Create Item Cost Profiles**

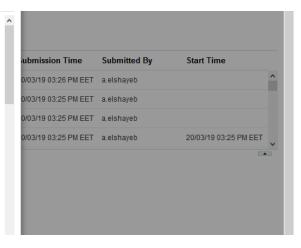


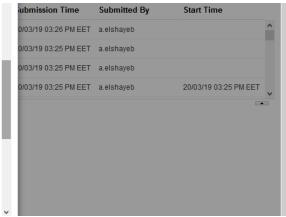
### Be Sure The Transition Is Cost











# SH Inventory 1

### **Min-Max Report**

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\* Organization SH1

\* Sort By Inventory item

\* Planning Level Organization

Subinventory

Batch Prefix

From Item SH-INTERNAL-001

To Item SH-INTERNAL-001

\* Item Selection All min-max planned items

Lot Control Include both lot and not lot controlled items

Report Date 20/03/19 03:33 PM Page 1 of 1

| Item<br>Item Description         | Sort By | Minimu<br>m<br>Quantity | Maximum<br>Quantity | On-Hand<br>Quantity | Supply<br>Quantity | Demand<br>Quantity | Available<br>Quantity | Order Quantity |         |          | Reorder  |
|----------------------------------|---------|-------------------------|---------------------|---------------------|--------------------|--------------------|-----------------------|----------------|---------|----------|----------|
|                                  |         |                         |                     |                     |                    |                    |                       | Minimum        | Maximum | Multiple | Quantity |
|                                  |         |                         |                     |                     |                    |                    |                       |                |         |          |          |
| SH-INTERNAL-00<br>1<br>/Internal |         | 100                     | 1,000               | 0                   | 0                  | 0                  | 0                     | 1,500          |         |          | 1,500    |
| Requisition                      |         |                         |                     |                     |                    |                    |                       |                |         |          |          |

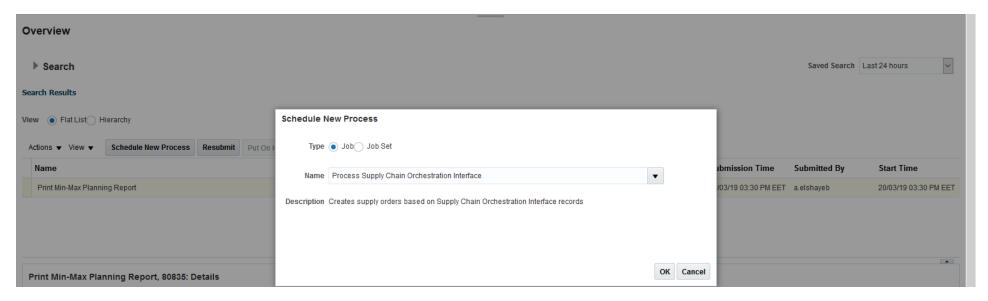
End of Report

## Process Supply Chain Orchestration Interface

In order to run Process Supply Chain Orchestration Interface, you will need to sign out and sign in as Supply Chain Operations Manager.

This process creates supply orders based on supply chain orchestration interface records.

Process Supply Chain Orchestration Interface



```
Input Parameters -->
SupplyOrderSource= INV
Organization=null
fromBatchNumber= null
toBatchNumber= null
fromSupplyRequestDate= null
toSupplyRequestDate= null
LoadSupplyOrderService invoked successfully
List of Interface Batch Numbers Processed: [MINMAX80835, MINMAX70470]
```

The Manage Supply Lines user interface will allow you to view the newly created supply lines.

Additionally, the transfer order can be viewed in the column titled Document Number.

Navigation: Supply Orchestration > Manage Supply Lines » Supply Type: Transfer » Supply Request Reference Number: MINMAX80835» Item: IMT\_TEST » Click the Search button

Manage Transfer Orders

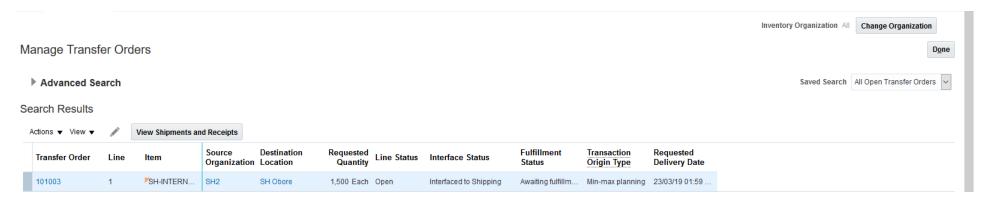
Log in as the Warehouse Manager SH2 to view the transfer order.

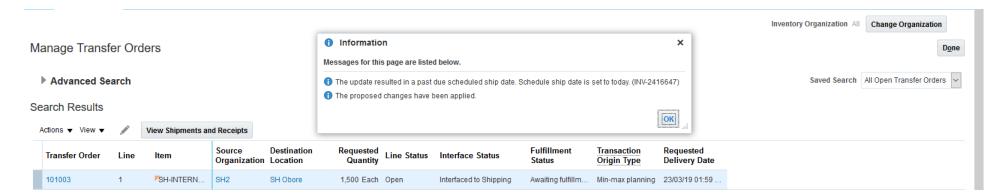
You can also click the View Shipments and Receipts button to view all shipments and receipts associated with the transfer order.

Navigation: Warehouse Operations > Inventory > Manage Transfer Orders » Transfer Order: 101003

(This is the Document Number in Manage Supply Lines Page)

» Click the Search button » Verify Line Status is Open » Verify Interface Status is Interfaced to Shipping





#### Create Pick Waves

Log in as the Warehouse Manager SH2 to create the pick wave.

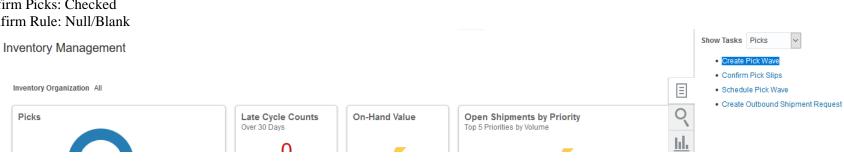
Navigation: Warehouse Operations > Pick Waves > Create Pick Wave

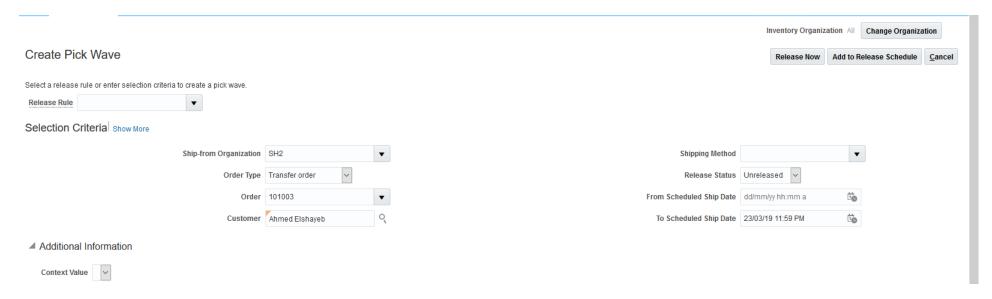
» Ship-from Organization: SH2 » Order Type: Transfer Order

» Enter Transfer Order in Order field

» Click Show More » Click Options Tab

» Autoconfirm Picks: Checked » Ship Confirm Rule: Null/Blank





» Click Release Now button

## FAQs for Implementing Internal Material Transfers

What's the difference between a physical and accounting only internal material transfer return?

If the physical return of material is required, the transfer order is interfaced to Oracle Fusion Shipping.

If the physical return is not required (accounting-only internal material transfer return), the transfer order is not interfaced to Oracle Fusion Shipping.

A transfer order type of Return is created for both scenarios (with or without physical returns).

How can I fulfill transfer orders for items on an internal material transfer through Oracle Fusion Order Management?

Configure a business rule in the Manage Supply Order Enrichment Rules user interface.

Set up a business rule that runs at the time of supply creation and sets the value of the order management shipment option. During transfer order creation, the process evaluates the order management shipment option to determine if the transfer order line should be directly interfaced to Oracle Fusion Shipping, or if it should pass through Oracle Fusion Order Management (and from Order Management to Shipping).

How can I set up the expense destination receipt required option for transfer orders?

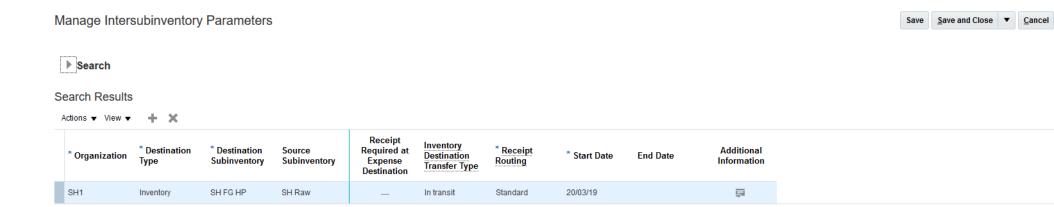
Set this option on the Manage Interorganization Parameters page for interorganization transfer orders, and on the Manage Intersubinventory Parameters page for intraorganization transfer orders. Access these pages from the Setup and Maintenance work area, in the Manufacturing and Supply Chain Materials Management offering.

What's the difference between inventory and expense destination transfer orders?

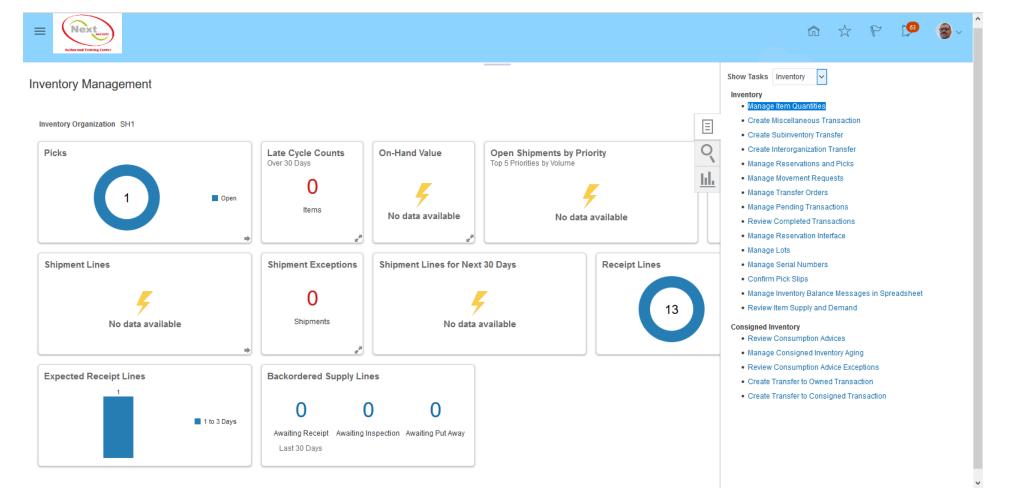
Expense destination transfer orders transfer material from an inventory warehouse location directly to the buyer's location for immediate usage. With expense destination transfers, there is no put away transaction in inventory since the item is expensed, and the destination inventory is not incremented. Returns are not allowed, and serial and lot numbers are not tracked in receiving.

Inventory destination transfer orders require movement to a destination inventory warehouse location. With inventory destination transfers, you have a shipment in the source organization that decrements the source location's inventory, and a put away transaction in the destination organization that increments the destination location's inventory.

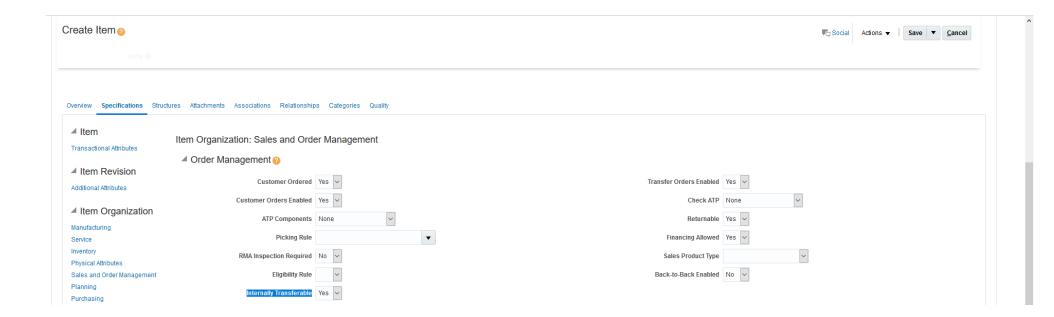
### **Manage Intersubinventory**

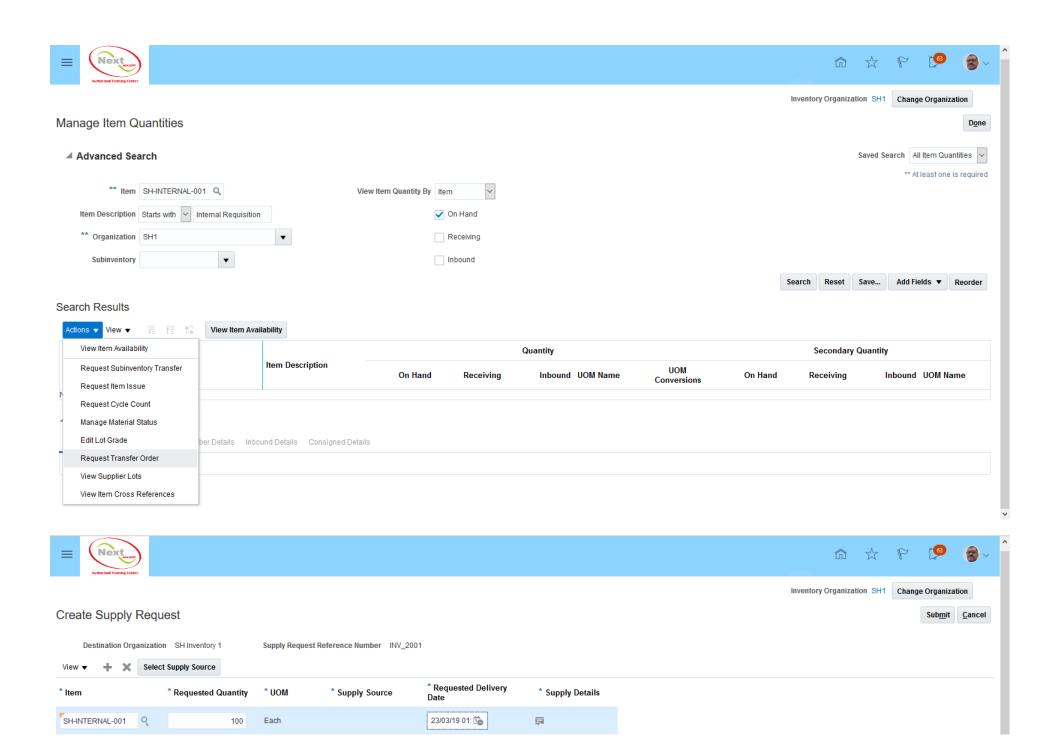


## **Create Internal Transfer Order**

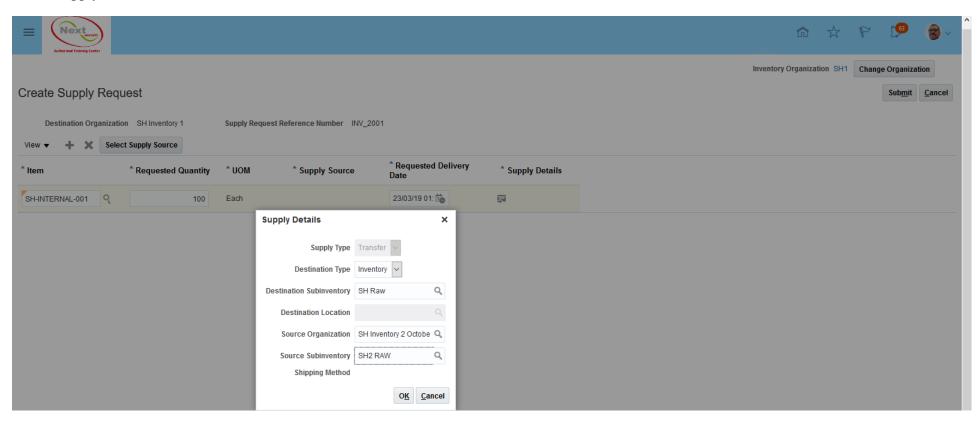


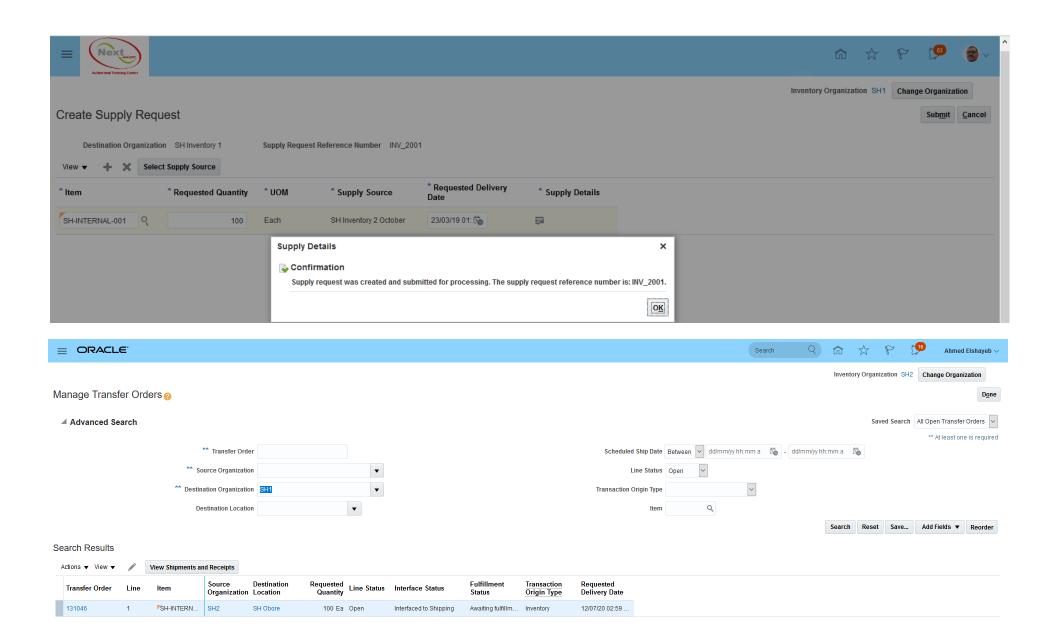
SH-INTERNAL-001

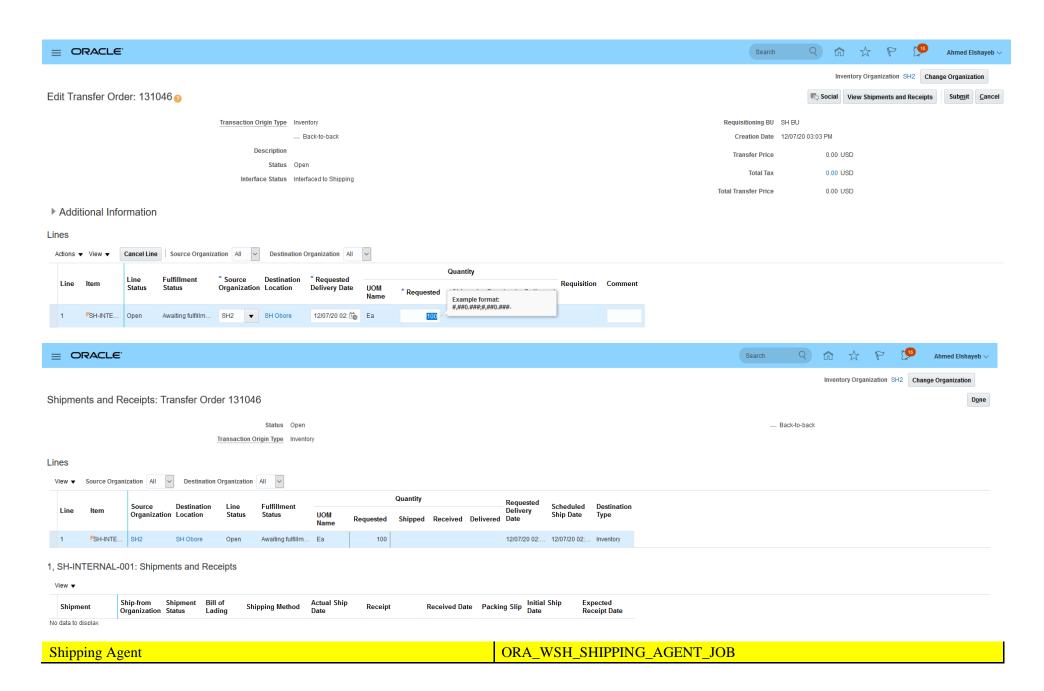




## Select Supply Details

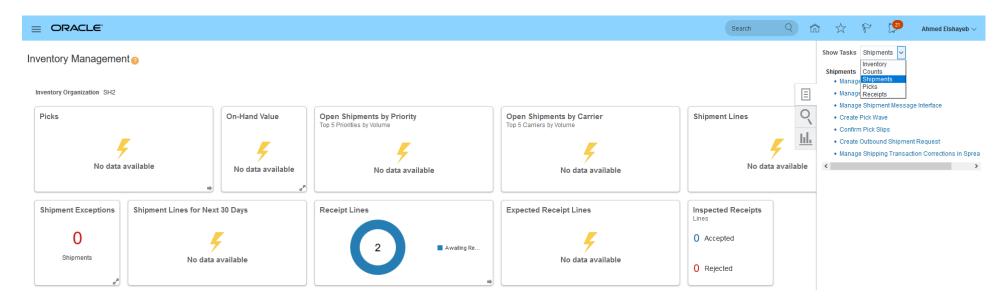




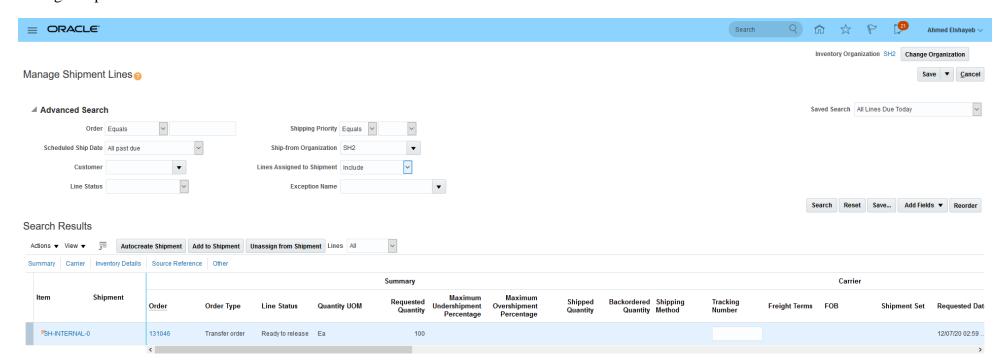


Go to Source Organization

Shipments



### Manage Shipment Lines



Shipment

Order 131046

Order Line 1

Order Type Transfer order

Line Status Ready to release

Integration Status Ready to interface
— Quick ship status

Requested Quantity

Maximum Undershipment Percentage

Maximum Overshipment Percentage

UOM Conversions Shipped Quantity Ea

**Gross Weight** 

Net Weight

▶ Additional Information

Carrier

Tracking Number

Seal Number

Loading Sequence

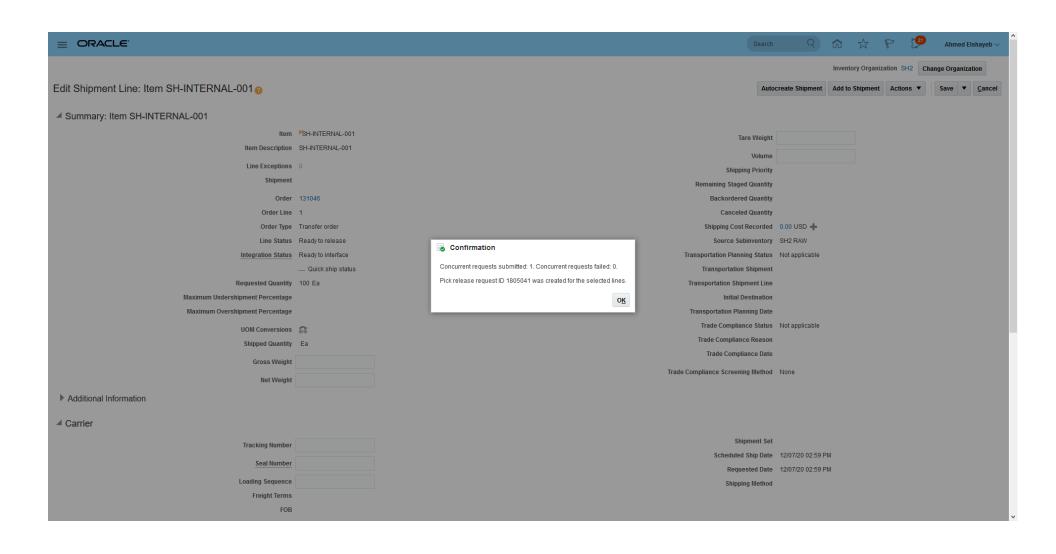
Action ==== Pick Release

Tare Weight Volume **Shipping Priority Remaining Staged Quantity Backordered Quantity** Canceled Quantity Shipping Cost Recorded 0.00 USD + Source Subinventory SH2 RAW Transportation Planning Status Not applicable Transportation Shipment Transportation Shipment Line Initial Destination Transportation Planning Date Trade Compliance Status Not applicable Trade Compliance Reason Trade Compliance Date Trade Compliance Screening Method None

Shipment Set

| Scheduled Ship Date | 12/07/20 02:59 PM | Requested Date | 12/07/20 02:59 PM |

Shipping Method



### Inventory Organization SH2 Change Organization Create Pick Wave Release Now Add to Release Schedule Cancel Select a release rule or enter selection criteria to create a pick wave. Release Rule • Selection Criteria Show Less Demand Selection Options Release Status Unreleased V Ship-from Organization SH2 Subinventory SH2 RAW Order Order Type Transfer order Destination Type Ship to • Order 102002 Ship-to Location Customer Ahmed Elshayeb Prior reservations only Shipment Set ■ Dates From Scheduled Ship Date dd/mm/yy hh:mm a 10 From Requested Date | dd/mm/yy hh:mm a 10 To Scheduled Ship Date 23/03/2019 11:59 PM 10 To Requested Date 23/03/2019 11:59 PM 10 Shipping

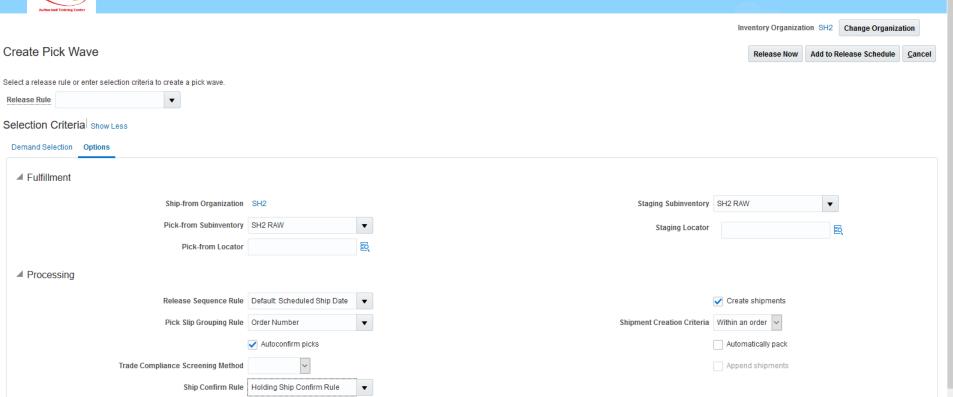
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Packing Unit

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Shipping Method





Actual Ship Date 23/03/19 02:28 PM

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