INTERNAL SALES ORDER

ISO is required when there is a shortage of an item in Seattle manufacturing plant (M1) and excess of the same item in Boston plant (M2).

So transfer the material from M2 to M1 is done by using the internal requisition/internal sales order.

Functional setups:

1. **Create item:**

   Navigation

   Inventory module➜items➜master items

   --select organization v1 vision operations.

   --enter item name and description

   Cm334455 as item name

   Goto tools copy from: apply the 'purchased item' template

   Goto order management tab and select the check box for internal orders enabled And <u>save</u> it.

   Goto tools ➜organization assignment enable for M1 and M2
   <u>Save</u> it.

2. **Create material cost in source org M2 for the new item:**

   Navigate:

   Goto change organization➜select M2 as organization

   Goto costs➜item costs

   --click on new

   --enter the fallowing information

   Item: cm334455

   Cost type: pending

   Then click on open button

   --click on 'costs' button

   Enter the fallowing details

   Cost element: material

   Sub element: material

   Basis: item

   Rate or amount: 500

--**save** it

3. **Update cost:**
   Navigation:
   Goto costs➔standard cost update➔update costs
   --enter the fallowing data in parameter window
     Cost type: pending
     Account alias: std.cost.var (01-520-5390-000-000).
     Description: any suitable description
     Item range: specific item
     Sort option: item
     Update option: overhead, resource, activity, and item costs
     Specific item: cm334455
   --leave the other parameter values as default, and submit the concurrent request.

   --goto view➔requests➔verify the concurrent has completed successful.

4. **Verify the material cost been updated or not for an item**
   Navigate:
   Goto costs➔items costs
   --enter the fallowing details
     Item: cm334455
     Cost type: frozen
     Click on find
   --verify that a row exists with correct details.

5. **Internal customer setup:**
   Check the setup for the internal customer (this is already done in vision environment).
   Navigate:
   Order management vision operations
   --goto customers➔customers
   Provide the name as vision and a/c number as 1021 and find
   --place the cursor on the customer address starting with
     3455 108th avenue, seattle➔click on details
   --select the business purpose tab
   --select the ship to radio button & click on details
   --verify the sales person as
     No sales credit

--notice the fallowing information on the internal block
  Location—M1 seattle
  Organization—seattle manfacturing
  It acts as internal customer

6. **Shipping network setup b/w M2 and M1**
   Verify network for internal organization shipping network b/w M2 and M1.
   Navigate
   Inventory
   Goto setup➔organizations➔shipping networks
   Click on find
   --place the cursor in the M2 to M1 row (this row will already exist in a vision
   environment) and verify the fallowing or make the change where needed
   Transfer type: intransit
   Fob: receipt
   Receipt routing: direct
   Internal order required: checked
          --save the record if any changes were made.

7. **Define inter-location transit times:**
   Navigate:
   Inventory
   Goto setup➔organization➔inter location transit times
   Goto view ➔find➔ enter fallowing details
   Origin type: location
   Origin: M2 boston
   Destination type: location
   Destination: M1 seattle
   --enter the fallowing details
   Shipment method: airbone
   Intransit time: 5
   Default method: check

8. **Make sure the inventory accounting periods are open for M1 and M2**
   Navigate:
   Inventory
   Goto change organization and select M1 and M2 as necessary

Goto accounting close cycle➜inventory accounting periods
--verify the sysdate is in a open else open the same by clicking on button "change Status" and click ok to question "open period".

9. **Do a miscellaneous receipt to create on hand quantity for the item in M2**
   Navigate:
   Inventory
   Goto change organization➜select M2

   Goto transaction➜miscellaneous transaction➜enter the fallowing information
   Time: sysdate
   Type:
   Click on transaction line buttons

   Enter the below information
   Item: cm334455
   Sub inventory: FGI
   UOM: ea
   Quantity: 300
   Account: select the account alias miscellaneous
               (01-580-7740-0000-000)
   --save record

   Goto on hand, availability➜on hand quantity and verify the on-hand quantity for the item purchasing setups

10. **Verify the transaction type and order source (this is already done in vision environment)**
    Navigate
    Purchasing
    Goto setup➜organization➜purchasing options
    --verify the fallowing details under "document defaults"
    Internal revulsion- mixed
    Internal requisition order source—internal

    This internal sales order will be imported into OM with this order source.

FLOWS STEPS
1. **Create an internal requisition and approve:**

Respo: purchasing, vision operations (USA)
Navigate:
Goto purchasing➔requisition➔requisiton➔type: internal requisition

Place the cursor in the destination region (lower left fields) and enter fallowing
Organization: Seattle manufacturing
Location: M1-seattle

Goto lines and enter the item
Item: cm334455
The destination type and source should both automatically change to inventory and
Sub inventory fields should now be visible in edit mode in the both regions.
Go back to destination region➔sub inventory: FGI

Goto source region and enter organization: Boston manufacturing
Verify that, at this point the price in the lines region changes to the item cost, setup
Done in the setup steps 1 to 4 (item cost in M2)
Sub inventory➔FGI

In the lines region, enter the fallowing information
Quantity: 10
Need by date: sysdate+10

Save it. Note the requisition number

Submit the requisition number for approval and check status. Click on approve button
And then ok

Goto ➔requision➔requisition summary➔query with requisition number and verify
The status approved.

2. Run the _create internal orders_ concurrent program:
   This process inserts the data from PO into OM interface tables.
   Navigate:
   Purchasing vision operation
   Goto reports➔run
   Run the "create internal orders" concurrent program

Goto view➔requests and verify that the concurrent program has completed successfully.

3. **Run the order import process:**
   This process will pull the data from OM interface tables into OM
   Navigate:
   Order management super user, vision operation (USA)
   Goto order, returns➔import orders➔order import request
   --select the fallowing parameter values and leave the rest default
     Operation unit—vision operation
     Order source—internal
     Order reference—enter the requisition number
     Validate only—no
     Leave other fields as it is
   --submit this concurrent request

   --goto view➔requests and verify the presence of parent and child requests, and that they have completed successfully.

   --view the o/p of the child request by clicking on the view o/p button. There should be an indication on the successful import and creation of the internal sales order.

   --here our order will automatically become booked.

4. **View the created internal sales order information:**
   Navigate:
   Order management
   Goto order, returns➔order organizer
   Query the internal sales order by entering
   order source: internal
   requisition number: enter the internal requisition number from step 1 or enter the requisition number under order source.
   Click on open button(or else query in lines tab with item nuber)

   In the order information tab and main subtab, verify the fallowing information
   Order type: mixed (this is delivered from the last functional setup)
   Customer: vision, with customer number 1021.
   Price list: corporate
   Status: booked

In the order information tab and other subtab, verify the fallowing
Order source: internal (this is derived from the last functional setup)
Order source reference as: enter internal requisition number

In the line items tab, and main subtab, verify the fallowing
Order item: cm334455
Quantity: 30
UOM: ea
Unit selling price: 5000 (from item cost setup)
Request date: sysdate+10
Status: awaiting shipping

In the line item tab, shipping sub tab verify
Schedule ship date +5 =schedule arrival date
This is derived from setup 7 inter location transmit lines

Note down the order number.

5. **Pick release the internal sales order:**
   Navigate:
   Order management
   Shipping➜release sales orders➜release sales order

   In the order tab
   Order number➜enter order num
   Scheduled ship dates➜leave from/to as blank
   Requested dates➜leave from/to as blank

   In the inventory tab
   Ware hour➜M2
   Auto allocate➜yes

   In the shipping tab
   Autocreate delivery➜ yes
   Auto pick confirm➜yes

   Click on execute button to submit the pick release process and shipping automatically. (in 11i we have to do shipping manually)

Here it will submit the below programs automatically
Pick slip report
Shipping exception report
Bill of landing
Packing slip report
Commercial invoice
Vehicle load sheet details
Interface trip stop
Auto pack report
Auto ship confirm report.
(description of each program we can find in standard o2c cycle)

(in 11i –ship confirm internal sales order
Navigation
Goto shipping transactions
--Select the order number and click on find button
--in the lines/lpn tab, verify that the line status as staged
--goto delivery tab and click on ship confirm button
--click on ok)

6. **Verify the status of internal sales order.**
   --query order in the order organizer and verify the line status is now shipped.
   --header level no change
   --internal order lines are never interfaced to oracle receivables

7. **Now that item has been shipped quantity out of ware house M2, will proceed to receive the shipping quantity in M1.**
   --change organization M1
   -- goto purchasing➔receipts➔receipts
   -- in the requisition field, enter the requisition number and click on find
      Both the receipt header/ receipts screen will open
   --in the receipts screen, check the check box to the left of the line
   -- save the record

   Back end query
   Requisition, sales order and receipt number

```sql
SELECT porh.segment1, porl.line_num, pord.distribution_num,
ooh.order_number sales_order, ool.line_number so_line_num,
rsh.receipt_num, rcv.transaction_type
FROM oe_order_headers_all ooh,
po_requisition_headers_all porh,
po_requisition_lines_all porl,
po_req_distributions_all pord,
oe_order_lines_all ool,
po_system_parameters_all posp,
rcv_shipment_headers rsh,
rcv_transactions rcv
WHERE ooh.order_source_id = posp.order_source_id
AND porh.org_id = posp.org_id
AND porh.requisition_header_id = ool.source_document_id
AND porl.requisition_line_id = ool.source_document_line_id
AND porh.requisition_header_id = porl.requisition_header_id
AND porl.requisition_line_id = pord.requisition_line_id
AND porl.requisition_line_id = rcv.requisition_line_id
AND pord.distribution_id = rcv.req_distribution_id
AND rcv.shipment_header_id = rsh.shipment_header_id
AND ooh.org_id = posp.org_id
AND ool.header_id = ooh.header_id
AND ool.shipped_quantity > 0
AND ool.orig_sys_line_ref not like '%OE_ORDER_LINES_ALL%'
AND ool.source_document_line_id is not null
and porh.segment1='14300'
```

QUESTIONS:

1. Tell me about Internal sales order flow?

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