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# Modifying/Enhancing Self-Service Purchasing – Multiple Cases



BAYTREE ASSOCIATES

Hussein Mourtada  
John Nance  
Andy Osborne

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# Case Number One



## ■ Problem

- Out of the box Self Service Purchasing 5.0 on Oracle Financials 11.0.3 does not support the requisitioning of internal items. (i.e. Items that are to be shipped from an internal distribution center or inventory)

## ■ Solution

- Allow the requisitioning of internal items within Self Service Purchasing



# Internal Requisitions



## Functional Assumptions/Overview

- A single default inventory organization needs to be defined for every location. This organization becomes the destination location organization for requisitions.
- A Shipping Network needs to be defined between the source and destination organizations. The "core" Oracle Application will validate that there is a shipping network between the two organizations for internal orders. The same setup needs to happen so that internal requisitions can be ordered through SSP 5.0.
- All items must be purchasable at the item master level to be seen and requisitioned in Self Service Purchasing 5.
- Destination locations require customer association.
- 'Internal Orders Enabled' must be set for items at the item master level for items to be picked up by the create sales order process.
- Items must be stockable and transactable in the inventory source organization.



## Functional Assumptions/Overview (cont'd)

- Required Item Attributes
  - Purchased (Purchasing: Master Organization)
  - Purchasable (Purchasing: Master Organization)
  - Internal Ordered (Order Entry: Master Organization)
  - Internal Orders Enabled (Order Entry: Master Organization)
  - Transactable (Inventory: Source Organization)
  - Stockable (Inventory: Source Organization)



# Internal Requisitions



## Technical Overview

- Modification of Java
  - ReqLine.java
  - SSPItem.java
- Modification of PL/SQL Procedures
  - POR\_CUSTOM\_PKG.custom\_default\_req\_line
    - Get internal price
    - Get source type (Inventory instead of Vendor)
    - Get Source Organization
    - Calculate Need by date
  - POR\_CUSTOM\_PKG.custom\_validate\_req\_line
    - Validate Source Org
    - Validate Min/Max Quantities
  - POR\_CS\_XML\_EXTRACTOR\_S
    - Modified to extract internal items to SSP

# Internal Requisitions



## Summary of Steps

1. Item Setup
  1. Set item attributes for internal requisitioning
  2. Extract items into SSP
- Application Setup
  - Create new site level profile option called 'Enable Internal Requisition Functionality'
- Program Logic
  - Determine if the item is sourced from inventory
  - Validate item attributes
  - Update po\_requisition\_lines\_all table
  - Approve requisition and send to Oracle OE



# Case Number 2



## ■ Problem

- Out of the box Self Service Purchasing 5.0 on Oracle Financials 11.0.3 does not support the validation of information on an information template

## ■ Solution

- Perform validations real-time on the information template and provide the feedback to the user.



# Custom Validations



## Functional Assumptions/Overview

- Enable 3 new descriptive flexfields on “Region Item Desc Flexfld” within the application “Oracle Common Modules-AK”.
- The 3 new descriptive flexfields are Object Type, Object Name, and Attribute Name.
- The values for Object Type are:
  - View
  - Table
  - Value Set
  - Number
  - Date
  - Length
- The values for Object Name identifies the table, view, and value set name.
- The Attribute Name identifies the specific attribute within the Object if applicable. (e.g. An Object would be table, HR\_LOCATIONS would be the object name and attribute name would be location\_code.)

# Custom Validations



## Technical Overview

- Modification/Creation of JAVA classes
  - Creation of new Custom Validation Class
  - Modification of the SSP java code to make the call to the new validation class. These java classes are:
    - ReqLine
    - AppsManagerObject
    - InfoTemplate
    - InfoTemplateElem
- Modification of JAVA Script
  - PORUTIL.js





## Summary of Steps

### 1. Flexfield Setup

1. Creation of 3 new flexfield segments on Region Item Desc Flexfld. They are Object Type, Object Name, and Attribute Name.

### ■ Application Setup

- Set values for the flexfield segments on the information template fields that are to be validated with AK Developer.

### ■ Program Logic

- Validate Info template data using the new validation class if flexfield values are set.
- If errors occur, flag error and report to user.
- Do not allow user to continue until error is corrected.

# Questions

