

| | CH | IANGE REQUEST | | | | | |
|---|---|---|--|--|--|--|--|
| Change Request # | CR0381 - | Enhanced SOP-POP Linking | | | | | |
| | Des | cription of Change | | | | | |
| Description of Need: | | · · · · · · | | | | | |
| ACME Co. has changed much of it module was built for make-to-order | s sales cycl r and is not | e to a make-to-stock system. The current Order Management efficient for make-to-stock. | | | | | |
| When an order is to be processed, hand stock and existing POs, then amount. | ACME Co. use the Orc | uses spreadsheets and manual calculations to reserve on- der Management tool to create new PO's for the remaining | | | | | |
| All available stock and open POs u | ise the LPS | CW site ID. | | | | | |
| When on-hand stock is reserved, it is noted in a spreadsheet and after all PO's are generated, an inventory transfer will be created to move the stock from LPSCW to the site on the SOP order. | | | | | | | |
| When an existing PO line quantity process is complete, the user will la the total PO line, the reserved amo line. | (or partial q ater update punt is split i | uantity) is reserved, it is noted in a spreadsheet, and after the the existing PO line site ID, or, if the quantity is only part of nto its own line. The reserved line is then linked to the SOP | | | | | |
| After the quantities are tabulated in will be fully consumed by either sto For example a SOP line of 100 uni | nto the sprea ock, an exist ts split out to | adsheet, the user will split the SOP line so each line amount ing PO, or a new PO (to be created in Order Management). o: | | | | | |
| Line #1 - 10 units from stock Line #2 – 50 units from existing PC Line #3 – 10 units from existing PC Line #4 – 30 units to be on new PC |)1234)1235). | | | | | | |
| When the user opens the Order Ma window, they then manually unmar | anagement k sales line | tool and clicks Process to open the Purchase Order Preview s that have been reserved. | | | | | |
| A much quicker and more automat if quantity will use existing stock or | ed method t PO's is still | to achieve this is desired. Full control over changing deciding required. | | | | | |
| Description of Solution: | | | | | | | |
| The proposed solution will allow th Order Management window. | e user to pe | rform all the above tasks on the SOP order selected in the | | | | | |
| To reserve inventory/ existing PO's Order Management window heade answer YES, the system will perfor | s to a SOP o r. The user rm the reser | order, the user will click the new RESERVE button on the will be asked "Are you ready to reserve items?". If they vation process. | | | | | |
| If any changes were made to the S then the system will loop through e | OP lines in each line of t | the Order Management window, they will first be saved, and he SOP order from the top and does the following: | | | | | |
| 1. Check for available invento | ory in LPSC | W. Available IV is calculated as QTY On Hand – Qty Allocated | | | | | |



- IV QTY Already Reserved.
- 2. If available inventory is found, it is recorded in the SOP Line Reserve table.
- If any SOP line quantity remains, the system will look for available PO line quantities assigned to LPSCW. Available PO line quantity is calculated as QTY On Order – PO QTY Already Reserved. Most times there will be a PO line for a very large quantity, so a partial quantity will be reserved for this order. Committing the quantity (described below) will cause the reserved quantity to be split out to its own line.
- 4. If PO lines are found, a line is recorded into the SOP Line Reserve table.
- 5. The system will continue to find PO's until no more quantities can be reserved.

At this point, no changes have been made to inventory or purchasing. When the process is complete, the Reserved Items Preview window will open.

| RWIX | Item Number 730 | | | | | | |
|------|---|--|-----------|----------|----|--|--|
| | Item Description Camera Bag | | | | | | |
| | Site II Qtj Commen Related POs for | Site ID WAREHOUSE Qty 5000 Comment Use PO2054 Related POs for this item | | | | | |
| | SOP Number | Reg Ship Date | Site ID | Quantity | 1 | | |
| | ORDST2254 | 04/12/2012 | WAREHOUSE | 2000 | 20 | | |

| Field | Function | | | | |
|------------------|---|--|--|--|--|
| TreeView | Lists all the items on the SOP order. The item is displayed with a colon (:) and the SOP Qty. Expanding the item will display the reservation breakdown. STOCK - The quantity listed here is what will be added to the inventory transfer. PO# - The PO# and quantity here will be the PO reserved for the item. | | | | |
| | New PO – This is the quantity that will end up on the new PO. The STOCK and PO# lines can be unmarked if required. Unmarking a line will set it as "unreserved" The quantity cannot be used by another sales order, but it won't be committed when the COMMIT button is clicked. After the COMMIT button is clicked, unreserved amounts will be available again. | | | | |
| Item Number | Displays the selected Item Number | | | | |
| Item Description | Displays the Description of the selected item. | | | | |
| Site ID | Displays the SOP Site ID. This is the Site ID the inventory will be transferred to in the case of a STOCK line, or the new Site ID on | | | | |



| | the marked PO's | | | | | |
|------------------|--|--|--|--|--|--|
| Qty | Enter or select the new quantity to be reserved from STOCK or from the PO. If this quantity is decreased, any amounts that were reserved will now be available. If the quantity can be increased as long as quantity is available. The reservation table will be updated with the new value when the user tabs out of the field. | | | | | |
| | | | | | | |
| Comment | This is a 100 character free text field for notes associated with the selected line. The comment will be transferred to the sop line comment when the reservation is committed. | | | | | |
| Scrolling window | Displays other sales orders for the selected item or PO that have quantity reserved. | | | | | |
| Button | Function | | | | | |
| Done | Closes the window without committing any changes and returns back to Order Management. Changes are saved to the reservation table. | | | | | |
| Rebuild | Clears all the reserved information and rebuilds it using the most current inventory and purchase order information | | | | | |
| Commit | Commits the changes. See below for description. | | | | | |
| Delete | Deletes the reservation from the system | | | | | |
| RW | This is a button drop field with two options: New Rework Stock New Rework PO The user will choose an item from the tree view and select one of these options to add a new "container" to the list. This container can then be used to allocate quantities that will be manually allocated to stock or a PO afterwards. These containers behave the same way as the existing Stick and PO containers in that quantities can be added/removed and the container can also be deleted. | | | | | |
| X | Clicking X will delete the selected line from the tree view. Only STOCK, existing PO's or Rework containers can be deleted. Deleting a line will remove it from the reserved table so it can be used by another SOP line. Deleting a line is not reversible. Quantites that belonged to the deleted line will go to the New PO line. | | | | | |

The reservation data will be stored into a SQL server so it can be used for user defined reporting. No reporting is covered by this estimate.

Proposal Commitment

When a proposal is committed (COMMIT button is clicked), several areas of GP are updated:

1. The Sales order line is split based on where the item supply is originating. The existing line will be deleted and replaced with one or more lines with quantites that match the reservation. For example a SOP line of 100 units split out to:

Line #1 - 10 units from stock Line #2 – 50 units from existing PO1234 Line #3 – 10 units from existing PO1235



Line #4 – 30 units to be on new PO.

Splitting SOP lines to the Rework containers will not create any other GP transactions. These lines will not be automatically linked to POs or generate inventory transfers.

2. If in-stock quantities were found, an inventory transfer will be created to transfer all in-stock quantities from LPSCW to the site on the SOP number. Because the system will allow reservations to remain in the system for an undetermined amount of time, there is a possibility inventory could be depleted by means other than commitment through Order Management.

During the commitment process, one last check for available inventory will be made. If less inventory is available than promised, the difference will be added to the new PO. The discrepancies will be noted a report printed at the end of the process.

The Document Number created will use the same number as the SOP Number and a new Batch ID will be created. The Batch ID will use the following format: XXXXMMDDYYY## XXXXX – first five characters of user ID MM – month

DD – Day

YYYY - Year

- Incrementing counter in case multiple commitments are made during the day.

Lot numbers will be assigned to the items in the order of Date Received. The line sequence number assigned to the item on the transfer will match the line sequence number on the SOP order. This will be used as way to trace the line back.

The Inventory transfer will not be posted, but by creating the transfer it allocates the inventory, thus making in unavailable by GP. The user will post the transfer after the Order Management process is complete.

3. If existing PO lines were found, the existing PO will be updated. If the entire PO line is committed to the SOP Line, its site ID will change to match the SOP line and a SOP-POP link will be created. If the SOP line is only using a partial amount, the reserved amount will be split out into its own line on the PO with the site ID matching the SOP Line and a SOP-POP link will be created.

Order Management Changes

If there is an uncommitted reservation for the entered SOP number, the Process button will be greyed out meaning PO's cannot be generated until a reservation is committed or deleted. The SOP line cannot be split from Order Management while a reservation exists or after the reservation is committed.

As shown in the screen cap, the empty field below the Line Number will display an indicator as to the source of line is being displayed. Before a reservation is committed, all lines are labeled as an 'NP'. The Order Management window will only show the split SOP lines after the reservation is committed.

ES = IV Stock EP = Existing PO

EF = EXISTING F

NP = New PO

RS = Reworked On Hand (These are reservations that will manually be assigned to stock after processing) RP = Reworked PO (These are reservations that will manually be assigned to PO's after processing)

If the Line Source is 'EP', the Vendor ID will display the Vendor ID of the PO the line is committed to. Only the lines labeled 'NP' can have the Vendor ID changed.

Above the Scrolling window is a Dropdown labeled "Show". The two options available are ALL, or POs



Required. By default this option is set to all, but if the user changes it to POs Required, then only the lines that will have PO's generated (Type = NP) will be displayed. The Vendor ID for these items can be updated, if required. The lines CANNOT be split after a reservation has been made. If lines need to be split, the reservation must be cancelled.

| | Order | Managemer | nt | | | | | | | |
|---------|--|-------------|--------------|----------------|-----------|---|-------------|-----------|---------|----------|
| | <u>S</u> av | e 🖏 P | rocess 🛛 🎦 🛛 | C <u>l</u> ear | | 1 | | | | |
| | Document ORDST2258 Customer Number AARONFIT0001 Name Aaron Fitz Electrical | | | | 🔍 Order | | - | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Sho | N: | | | | | | | | |
| | # Item Number | | | | Quantity | | Qty / Ctn | # of Ctns | | Ctn Vol. |
| | | Description | | | | | | | Vendo | or ID |
| | 1 | 128 SDRAM | | | | 3 | 0 | | 0 | 0.0 |
| | 128 meg SDRAM | | | | | | | ACET | RAVE000 | |
| | 2 | 2 128 SDRAM | | | | 1 | 0 | | 0 | 0.0 |
| | 128 meg SDRAM | | | | | | | | ACET | RAVE000 |
| | 3 128 SDRAM | | | | | 1 | 0 | | 0 | 0.0 |
| | 128 meg SDRAM | | | | | | | | ACET | RAVE000 |
| | Line Iter | | n Number | Desc | * | V | endor ID | Vendor | Price | C |
| | 1 | 128 | SDRAM | 128 m | neg SDRAM | A | CETRAVE0001 | 0 | | 0 |
| | 2 129 | | SDRAM | 128 m | | ٨ | CETRAVE0001 | 0 | | 0 |

Sales Transaction Entry Changes

If a SOP order has an uncommitted reservation, it cannot be edited. The user will be given a warning message and will not be allowed to continue.

Purchase Order Entry Changes

If a PO is on an uncommitted reservation, it cannot be edited. The user will be given a warning message indicating what sales order it is committed to and will not be allowed to continue.

Receivings Transaction Entry Changes

If a PO is on an uncommitted reservation, it cannot be added to a receipt. The user will be given a warning message indicating what sales order it is committed to and will not be allowed to continue. The Mark All in Select Purchase Order Items will be disabled if any PO's in the list are reserved.