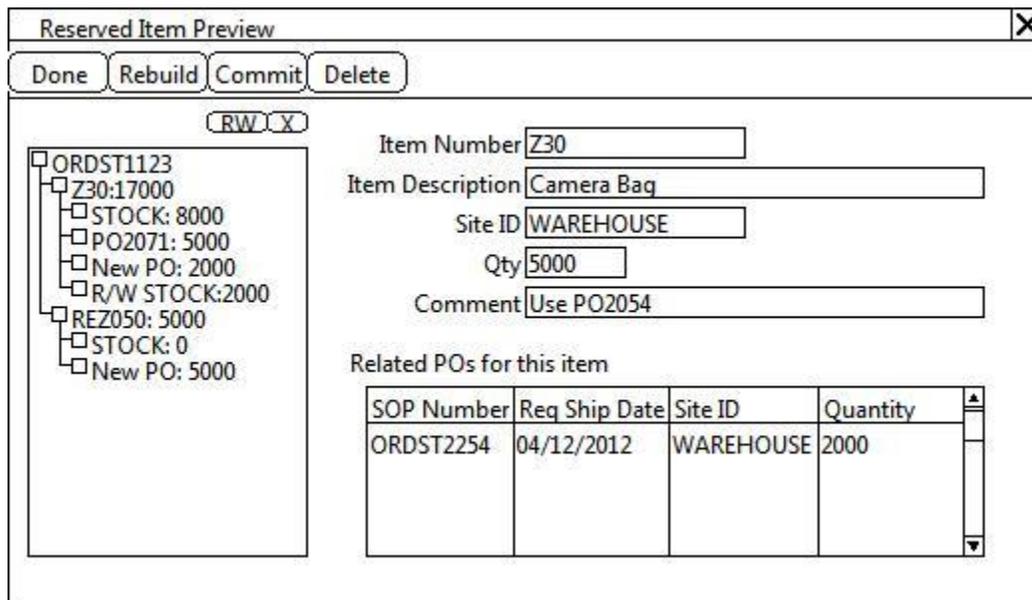


<b>CHANGE REQUEST</b>	
<b>Change Request #</b>	CR0381 – Enhanced SOP-POP Linking
<b>Description of Change</b>	
<p><b>Description of Need:</b></p> <p>ACME Co. has changed much of its sales cycle to a make-to-stock system. The current Order Management module was built for make-to-order and is not efficient for make-to-stock.</p> <p>When an order is to be processed, ACME Co. uses spreadsheets and manual calculations to reserve on-hand stock and existing POs, then use the Order Management tool to create new PO's for the remaining amount.</p> <p>All available stock and open POs use the LPSCW site ID.</p> <p>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.</p> <p>When an existing PO line quantity (or partial quantity) is reserved, it is noted in a spreadsheet, and after the process is complete, the user will later update the existing PO line site ID, or, if the quantity is only part of the total PO line, the reserved amount is split into its own line. The reserved line is then linked to the SOP line.</p> <p>After the quantities are tabulated into the spreadsheet, the user will split the SOP line so each line amount will be fully consumed by either stock, an existing PO, or a new PO (to be created in Order Management). For example a SOP line of 100 units split out to:</p> <p>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.</p> <p>When the user opens the Order Management tool and clicks Process to open the Purchase Order Preview window, they then manually unmark sales lines that have been reserved.</p> <p>A much quicker and more automated method to achieve this is desired. Full control over changing deciding if quantity will use existing stock or PO's is still required.</p> <p><b>Description of Solution:</b></p> <p>The proposed solution will allow the user to perform all the above tasks on the SOP order selected in the Order Management window.</p> <p>To reserve inventory/ existing PO's to a SOP order, the user will click the new RESERVE button on the Order Management window header. The user will be asked "Are you ready to reserve items?". If they answer YES, the system will perform the reservation process.</p> <p>If any changes were made to the SOP lines in the Order Management window, they will first be saved, and then the system will loop through each line of the SOP order from the top and does the following:</p> <ol style="list-style-type: none"> <li>1. Check for available inventory in LPSCW. Available IV is calculated as QTY On Hand – Qty Allocated</li> </ol>	

- IV QTY Already Reserved.
- 2. If available inventory is found, it is recorded in the SOP Line Reserve table.
- 3. 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.



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



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: XXXXXMMDDYYYY##

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 it 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

NP = New PO

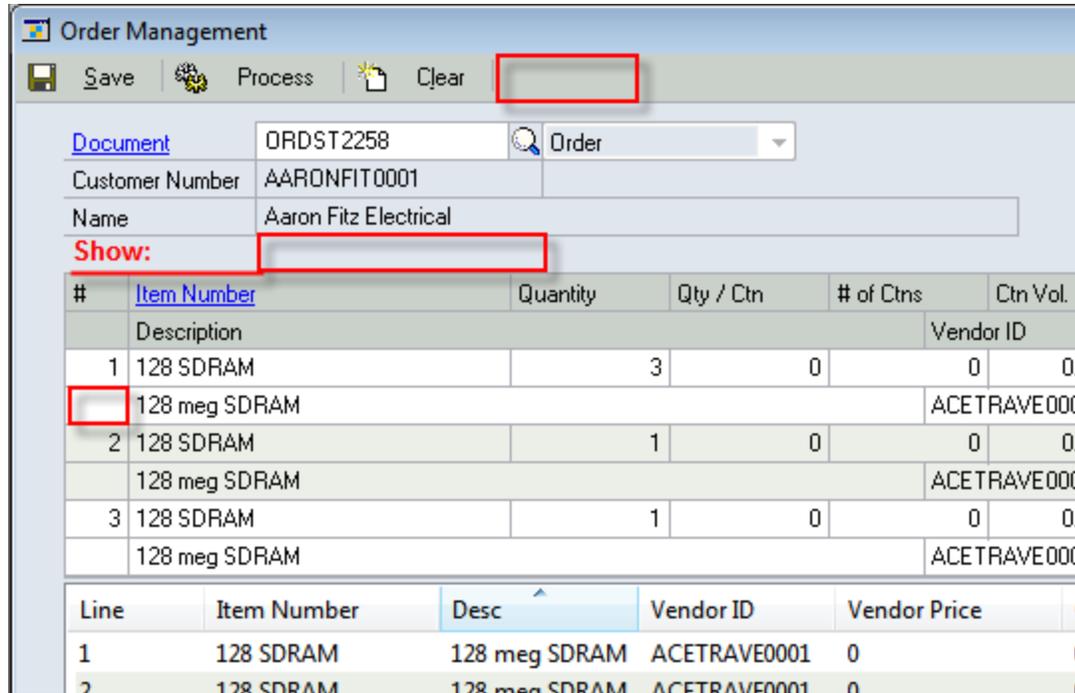
RS = Reworked On Hand (These are reservations that will manually be assigned to stock after processing)

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.



#	Item Number	Quantity	Qty / Ctn	# of Ctns	Ctn Vol.
1	128 SDRAM	3	0	0	0.0
	128 meg SDRAM				ACETRAVE0001
2	128 SDRAM	1	0	0	0.0
	128 meg SDRAM				ACETRAVE0001
3	128 SDRAM	1	0	0	0.0
	128 meg SDRAM				ACETRAVE0001

Line	Item Number	Desc	Vendor ID	Vendor Price	C
1	128 SDRAM	128 meg SDRAM	ACETRAVE0001	0	0
2	128 SDRAM	128 meg SDRAM	ACETRAVE0001	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.