



Release Back Order For Sage 100 ERP 2014

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Installation Instructions and Cautions

PLEASE NOTE: SAGE 100 ERP must already be installed on your system before installing any IIG enhancement. If not already done, perform your SAGE 100 ERP installation and setup now; then allow any updating to be accomplished automatically.

Once SAGE 100 ERP installation and file updating is complete, you may install your IIG enhancement product by following the procedure below.

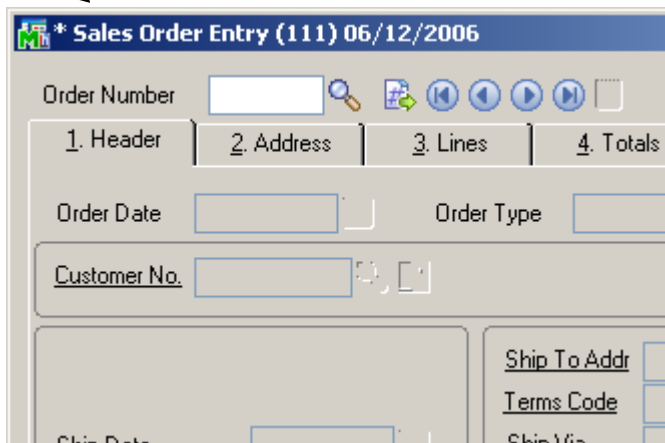
Wait! Before You Install – Do You Use CUSTOM OFFICE?

THIS IS AN IMPORTANT CAUTION: If you have Custom Office installed, **and** if you have modified any SAGE 100 ERP screens, you must run **Customizer Update** after you do an enhancement installation.

But wait! BEFORE you run **Customizer Update**, it is very important that you **print all of your tab lists**. Running **Customizer Update** will clear all Tab settings; your printed tab list will help you to reset your Tabs in Customizer Update. **Custom Office** is installed on your system if there is an asterisk in the title bar of some of the screens. The asterisk indicates that the screen has been changed.

An **asterisk** in a window's title bar indicates that the screen has been modified. This means that **Custom Office** is installed.

Follow all the instructions on this page before you run **Customizer Update!**



Registering IIG products

IIG Enhancement should be registered to be able to use it. If registration is not performed, the enhancement will work in a demo mode for a limited time period. The registration can be still done during the demo period.

Select the **IIG Product Registration** program under the **Library Master Setup** menu of the SAGE 100 ERP.

If this option is not listed under the Library Master Setup menu, go to the main menu, and select **Run** from the **File** menu. Type in SVIIGR and click **OK**.

Enhancement	Level	Release Date	Serial Number	Unlocking Key
IIG Enhancement	5.10		AAAAAAAAAAAAAAAA	BBBBB

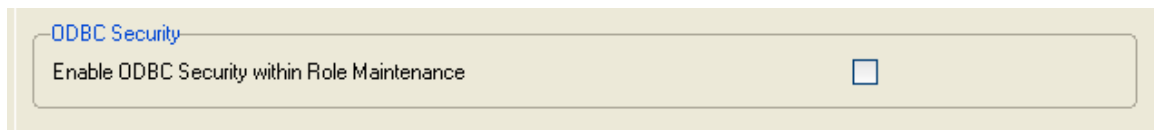
Enter **Serial Number** and **Unlocking Key** provided by IIG, and click **OK**.

If multiple IIG Enhancements are installed, Serial Numbers and Unlocking Keys should be entered for each enhancement.

Use the **Print Registration Form** button to print IIG Registration Form.

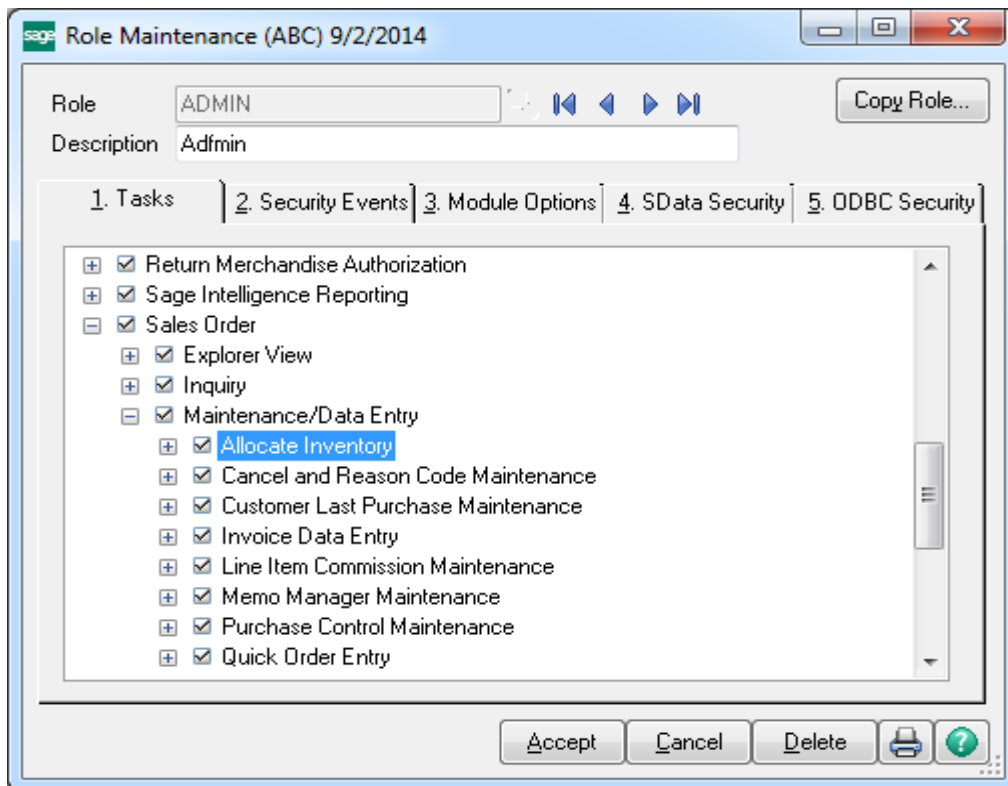
ODBC Security

After installing an **IIG Enhancement**; it is **very important to verify** whether or not the **Enable ODBC Security within Role Maintenance** check box is selected in the **System Configuration** window of your system. If it is selected you must assign ODBC security permissions and allow access to custom data tables/fields for the Roles defined in your system.



Role Maintenance

After installing an **IIG Enhancement**, permissions must be configured for newly created Tasks and Security Events.



Introduction

The **Release Back Order** enhancement enables allocating inventory to the Sales Orders in order to track real availability of the items on open orders. Manual as well as auto allocation of inventory to the order lines is provided. The allocated quantities can be shipped completely in the Invoice Data Entry and Shipping Data Entry. This enhancement enables also Future Order processing.

Release Back Order Processing

Sales Order Options

Select the **Main** tab of the **Sales Order Options** program under the **Sales Order Setup** menu.

The screenshot displays the SAP Sales Order Options (ABC) 2/13/2015 window. The window has a menu bar with options: 1. Main, 2. Entry, 3. Line Entry, 4. Forms, 5. Printing, 6. Quick Print, 7. History, 8. Job Cost. The main area contains several sections:

- Enable Shipping**:
- Post Sales to General Ledger by Division**: Yes (dropdown)
- Post Customer Deposits by Division**:
- Post Deposits in Detail**:
- Calendar Month**: 2015 (year), 02 (month)
- Integrate with**:
 - General Ledger:
 - Inventory Management:
 - Job Cost:
- Default General Ledger Accounts**:

Customer Deposits	201-00-00	Customer Deposits
Special Item Sales	400-01-01	Distribution sales - East
Special Item COGS	450-10-00	Cost of Goods Sold
Special Item Purchases	450-01-00	Purchases
- Allow Future Order**: Number of days in the future for setting Future Flag in Sales Order: 0

At the bottom left, there is a button labeled "RBO Manual" with a question mark icon. A blue arrow points to this button. At the bottom right, there are buttons for "Accept", "Cancel", a printer icon, and a help icon.

The Manual button allows for viewing RBO enhancement document in a PDF format.

The **Allow Future Order** option enables Future Order processing. Select this option and corresponding checkbox will be shown on the Header of the **Sales Order Entry** screen allowing you to mark future orders and prevent auto allocation of the inventory.

The **Number of days in the future for setting Future Flag in Sales Order** option allows for automatically setting the **Future Order** flag upon entering a Sales Order or changing the Ship Date if the order's ship date is more than the number of days specified here. This option is enabled only if the **Allow Future Order** checkbox is selected.

The screenshot displays the 'Sales Order Options (ABC) 2/13/2015' window with the following settings:

- Navigation:** 1. Main | 2. Entry | 3. Line Entry | 4. Forms | 5. Printing | 6. Quick Print | 7. History | 8. Job Cost
- Shipping:** Enable Shipping
- Calendar:** Calendar Month, Current Calendar Year: 2015, Current Period: 02
- Posting:** Post Sales to General Ledger by Division: Yes, Post Customer Deposits by Division: , Post Deposits in Detail:
- Integration:** Integrate with: General Ledger , Inventory Management , Job Cost
- Default General Ledger Accounts:**

Customer Deposits	201-00-00	Customer Deposits
Special Item Sales	400-01-01	Distribution sales - East
Special Item COGS	450-10-00	Cost of Goods Sold
Special Item Purchases	450-01-00	Purchases
- Future Order:** Allow Future Order Number of days in the future for setting Future Flag in Sales Order: 0
- Buttons:** RBO Manual, Accept, Cancel, Print, Help

Sales Order Entry

Auto Allocation

The enhancement enables user to allocate items for **Standard** and **Back Orders**.

When a line is added in the Sales Order, allocation is performed automatically if the Order is not marked as Future Order.

The screenshot displays the Sage Sales Order Entry (ABC) 9/2/2014 window. The interface includes a top navigation bar with tabs for 1. Header, 2. Address, 3. Lines, 4. Totals, and 5. Credit Card. The main area is divided into several sections: Order Information (Order Number: 0000183, Order Date: 9/2/2014, Order Type: Standard Order), Customer Information (Customer No.: 01-ABF, American Business Futures), Shipping Information (Ship Date: 9/2/2014, Ship To Addr: 2, American Business Futures), Terms and Conditions (Terms Code: 01, Net 30 Days, Ship Via: UPS BLUE, FOB), Contact Information (Confirm To: John Quinn, E-mail: artie@sage.sample.com), Salesperson (0100, Jim Kentley), and Allocation options (Split Comm.: No, Release, Allocate). The bottom of the window features a toolbar with buttons for Print Order, Print Pick, Recalc Price, Accept, Cancel, and Delete.

Order Number: 0000184

1. Header | 2. Address | 3. Lines | 4. Totals | 5. Credit Card | User: useriig

	Item Code	Ordered	Allocated Qty	Back Ordered	Unit Price	Extension
1	2480-8-50	5.00	5.00	.00	33.902	169.51
2		.00	.00	.00	.000	.00

Description: DESK FILE 8" CAP 50
Warehouse: 001
Unit Of Measure: EACH
Shipped: .00
Price Level: 1

Available Allocate Quantity is 165 EACH

Total Amount: 169.51

Buttons: Print Order..., Print Pick..., Recalc Price, Accept, Cancel, Delete

By default, the **Allocated Qty** is set equal to the Quantity Ordered and can be changed if needed. Select the **Allocated Quantity** field to see the **Available Allocate Quantity**. The Quantity Allocated cannot exceed Quantity Ordered and Quantity Available for Allocation.

The Allocated quantities can be zeroed through the **Release** button added on the **Header** tab.

Click the **Item Quantity Inquiry** button on the **Lines** tab of **Sales Order Entry** screen to see the allocated quantities.

The screenshot shows the 'Item Quantity Inquiry' window for item 2480-8-50 (DESK FILE 8" CAP 50). The table displays various inventory metrics, with the 'Allocated' column highlighted by a blue box.

On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On Hand Less Ship	Allocated
.00	5.00	.00	5.00	165.00	.00	165.00	5.00
.00	100.00	20.00	120.00	90.00	.00	210.00	120.00
.00	.00	.00	.00	11,079.00	.00	11,079.00	.00

	On Hand	On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On Hand
Totals	11,454.00	.00	105.00	20.00	125.00	11,334.00	.00	

Future Orders

The **Future Order** functionality has been added to the **Sales Order Entry**.

The screenshot shows the Sage Sales Order Entry interface. The 'Future Order' checkbox is checked and circled in blue. The interface includes fields for Order Number (0000185), Order Date (9/2/2014), Order Type (Standard Order), Customer No. (01-ABF), Ship Date (9/2/2014), Status (New), Whse (001), Sales Tax Schedule (WI), Ship To Addr (2), Terms Code (01), Ship Via (UPS BLUE), Confirm To (John Quinn), E-mail (artie@sage.sample.com), Salesperson (0100), and Priority (5). The 'Future Order' checkbox is checked, and the 'Allocate' button is visible.

Check the **Future Order** box if you do not want to allocate inventory automatically. If this box is checked, the items can be allocated in the **Lines** only by using the **Allocate** button or manually entering the quantities in the **Allocated Qty** field.

Click the **Allocate** button to allocate all the items of the order.

Click the **Release** button to set to zero all Allocated Quantities in the Order.

The Order(s) are automatically placed on future if there is number of days specified for **Number of days in the future for setting Future Flag in Sales Order** field in the Sales Order Options. If the difference of days between the Order's **Ship Date** and current **Module Date** exceeds the number of days specified in the Sales Order Options the Order is automatically placed as future.

Sage Sales Order Entry (ABC) 9/2/2014

Order Number: 0000185

Order Date: 9/2/2014

Order Type: Standard Order

Customer No.: 01-ABF

Ship Date: 9/25/2014

Status: New

Whse: 001

Sales Tax: WI

Ship To Addr: 2

Terms Code: 01

Ship Via: UPS BLUE

Confirm To: John Quinn

E-mail: artie@sage.sample.com

Salesperson: 0100

Future Order: Priority (1=high) 5

Print Order:

Print Pick Sheets:

Quick Print Without Displaying Printing Window:

Allocate Inventory

The **Allocate Inventory** program has been added to the **Sales Order Main** menu.

The screenshot shows the 'Allocate Inventory' window. At the top left, there is a table for selecting fields:

Select Field	Operand	Value		
Sales Order Number	All			
Sales Order Date	All			
Sales Order Ship Date	All			
Sales Order Priority Code	All			
Customer Number	All			
Item Code	All			

To the right of this table are several buttons: 'Select', 'Clear', 'Include All', 'Exclude All', and 'Allocate All'. Below the table are three checked checkboxes: 'Exclude Orders On Hold', 'Exclude Accounts On Credit Hold', and 'Exclude Future Orders'. The main area of the window is a large table with the following columns: 'SO No.', 'Ship Date', 'Customer No.', 'Item No.', 'Whse', 'U/M', 'Qty Ord.', 'Qty Alloc.', 'Qty Allowed', 'Incl', and 'Item Description'. At the bottom left is a 'Release Allocation' button, and at the bottom right is a 'Close' button.

The following selection fields are available: **Sales Order Number**, **Sales Order Date**, **Sales Order Ship Date**, **Sales Order Priority Code**, **Customer Number**, **Item Code**. Click **Select** button after applying the necessary selection filters.

Allocate Inventory

Select Field	Operand	Value
Sales Order Number	All	
Sales Order Date	All	
Sales Order Ship Date	All	
Sales Order Priority Code	All	
Customer Number	All	
Item Code	All	

Exclude Orders On Hold
 Exclude Accounts On Credit Hold
 Exclude Future Orders

SO No.	Ship Date	Customer No.	Item No.	Whse	U/M	Qty Ord.	Qty Alloc.	Qty Allowed	Incl	Item Description
1	0000111 5/1/2013	02JELLCO	GB-EL04MS-25	001	EACH	.00	.00		<input checked="" type="checkbox"/>	RJ-11 4 WIRE MOD CABLE 25 FT
2	0000111 5/1/2013	02JELLCO	GB-EQ380-10-MF	001	EACH	.00	.00		<input checked="" type="checkbox"/>	CENTRONICS CABLE 10 FT M/F
3	0000111 5/1/2013	02JELLCO	GB-EQ380-10-MM	001	EACH	.00	.00		<input checked="" type="checkbox"/>	CENTRONICS CABLE 10 FT M/M
4	0000111 5/1/2013	02JELLCO	GB-EQ380-5-MF	001	EACH	.00	.00		<input checked="" type="checkbox"/>	CENTRONICS CABLE 5 FT M/F
5	0000111 5/1/2013	02JELLCO	GB-EQ380-5-MM	001	EACH	.00	.00		<input checked="" type="checkbox"/>	CENTRONICS CABLE 5 FT M/M
6	0000111 5/1/2013	02JELLCO	GB-MD791	001	EACH	4.00	1.00		<input checked="" type="checkbox"/>	MODEM 9600 FAST POLL
7	0000112 5/1/2010	02-CUSTOM	GLOB-V-3060-25W	001	EACH	2.00	.00		<input checked="" type="checkbox"/>	GLOBE FOLDING TABLE 30x60
8	0000112 5/1/2010	02-CUSTOM	GLOB-V-3096-25W	001	EACH	5.00	5.00		<input checked="" type="checkbox"/>	GLOBE FOLDING TABLE 30x96
9	0000112 5/1/2010	02-CUSTOM	GLOB-V-3696-25W	001	EACH	4.00	4.00		<input checked="" type="checkbox"/>	GLOBE FOLDING TABLE 36x96
10	0000112 5/1/2010	02-CUSTOM	PFS-007-CABLE	001	FT	1,000.00	1,000.00		<input checked="" type="checkbox"/>	EIA RS232 CABLE 7 CONDUCTOR
11	0000112 5/1/2010	02-CUSTOM	PFS-007-CONN-F	001	EACH	10.00	10.00		<input checked="" type="checkbox"/>	EIA RS232 CONNECT 7 CONDUCTOF
12	0000112 5/1/2010	02-CUSTOM	PFS-007-CONN-M	001	EACH	15.00	15.00		<input checked="" type="checkbox"/>	EIA RS323 CONNECT 7 CONDUCTOF
13	0000112 5/1/2010	02-CUSTOM	V0G-CM-CASTERS	001	SET	10.00	10.00		<input checked="" type="checkbox"/>	CASTERS (SET OF 4, 2 W/LOCK)
14	0000112 5/1/2010	02-CUSTOM	V0G-CM-MP-B	001	EACH	3.00	3.00		<input checked="" type="checkbox"/>	MODESTY PANEL

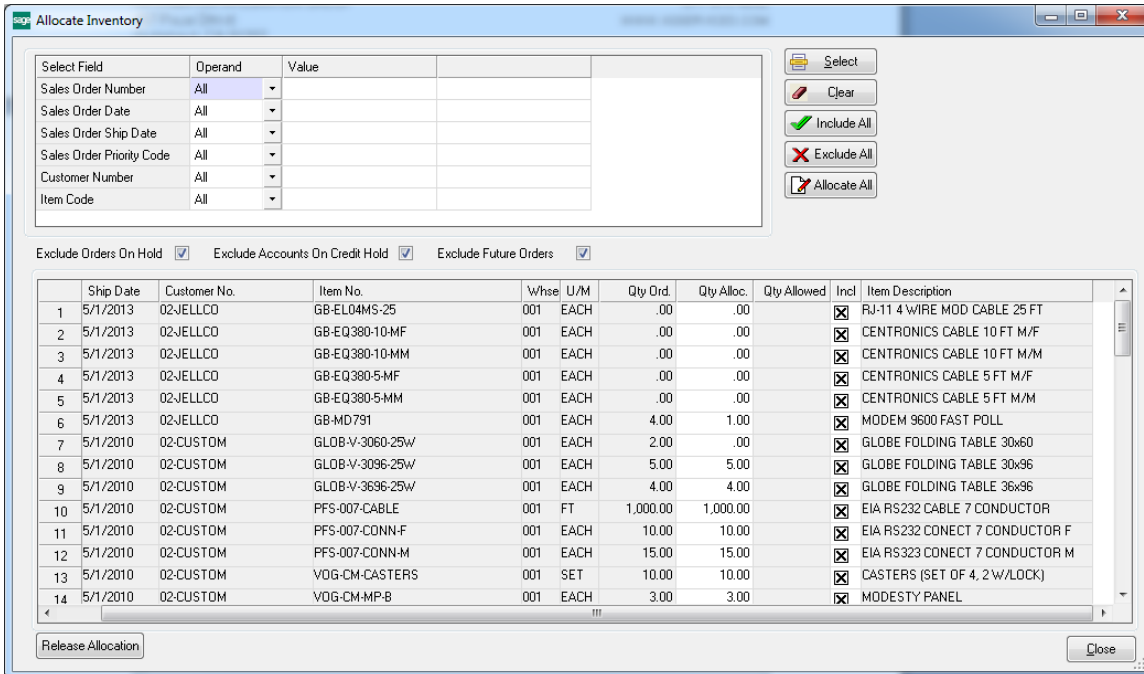
Qty Alloc. displays the Quantity already allocated in the Sales Order. If the item has not been allocated on the Sales Order, the **Qty Alloc.** is set to 0 and the field next to it displays the quantity available for allocation.

Allocated Quantities can be changed. When the **Qty Alloc.** field is selected, the **Qty Allowed** is displayed next to it. Quantity Allocated cannot be set to exceed Quantity Ordered or Quantity Allowed.

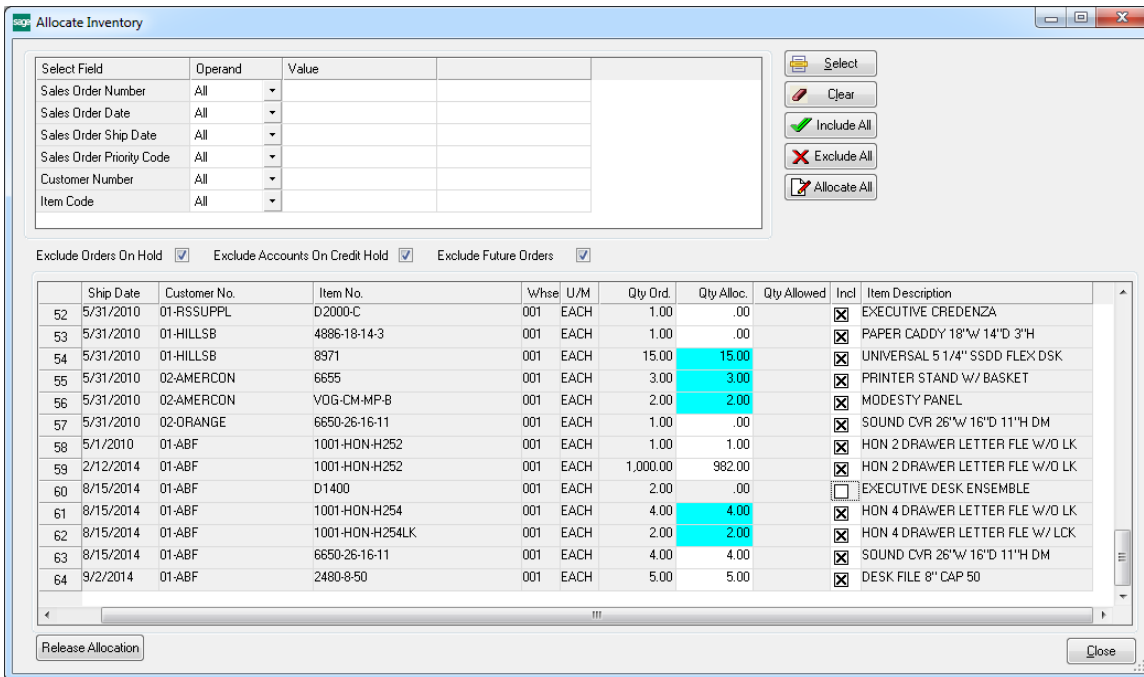
Items can be allocated automatically by placing checkmarks in the **Incl** (Included) column in the lines. The **Include** and **Exclude All** buttons are also available. Click the **Allocate All** button to perform auto allocation.

The Include checkmarks cannot be set for Future Orders.

Release Allocation button allows the user to release allocated quantities for the lines having **Incl** flag turned on. Upon pressing this button the **Qt Alloc** field is zeroed for the lines marked as **Incl.**



The program highlights the changed Allocated Quantities.



For exploded kits allocation is available for component lines only.

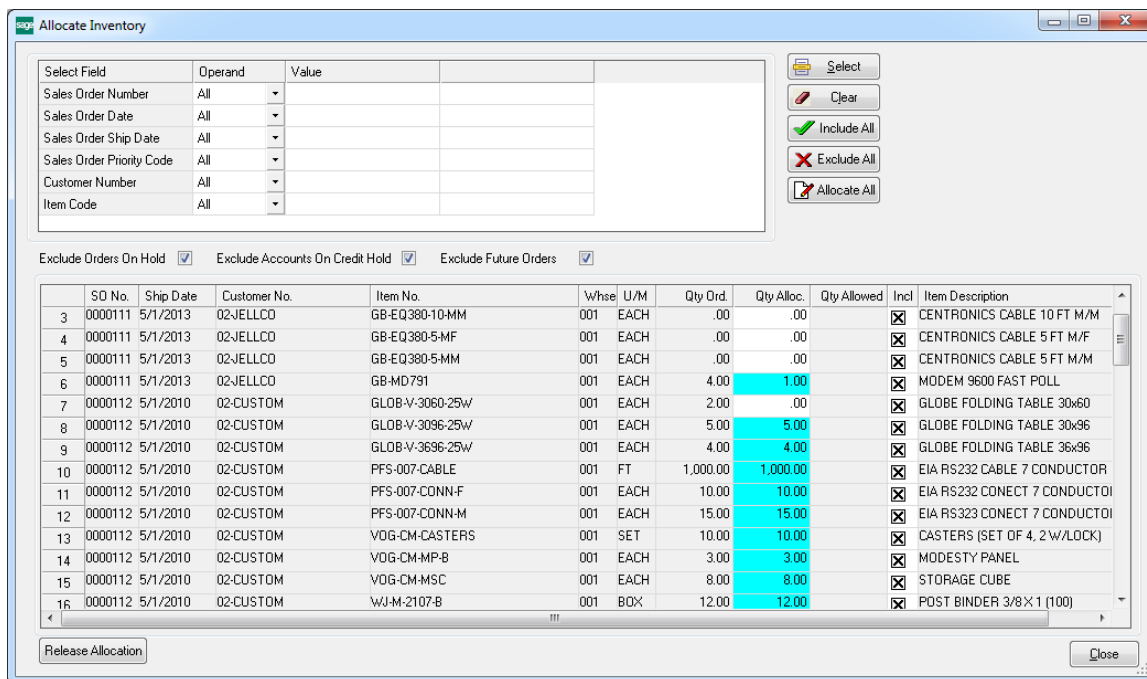
The orders on hold, future orders and accounts on credit hold can be excluded from selection and the data being loaded in the grid can be sorted by columns.

The **Exclude Orders On Hold**, **Exclude Accounts On Credit Hold** and **Exclude Future Orders** checkboxes are selected by default.

If the **Exclude Orders On Hold** checkbox is selected, all orders having **Status** set **On Hold** in the Sales Order Entry will be excluded from selection.

If the **Exclude Accounts On Credit Hold** checkbox is selected, all Orders which Customers have the **Credit Hold** checkbox selected in the **Customer Maintenance** will be excluded from selection.

If the **Exclude Future Orders** checkbox is selected, all orders indicated as future in the Sales Order Entry will be ignored during the selection. After the records are loaded in the grid the user can sort the rows of the grid by any of the column just clicking on the corresponding column.



In our example the records are sorted by Ship Date descending.

Automatic Allocation Priority

Automatic Allocation is based on the Sales Order **Priority**.

The **Priority** field on the **Additional** tab of the **Customer Maintenance** screen is intended for setting priority for the selected Customer. This priority is defaulted to the Sales Order when creating an Order.

The screenshot shows the Sage Customer Maintenance software interface for customer 'American Business Futures' (Customer No. 01-ABF) as of 9/2/2014. The interface includes a navigation menu with tabs for Main, Additional, Statistics, Summary, History, Invoices, Transactions, and S/Os. The main area is divided into several sections: a comment field with the text 'Call Ed for credit approval.', a section for customer status (Active) and priority (5), a section for data entry (Price Level 1, Dflt Pymt Type N, Discount Rate 6, Fin Charge Rate 7, Item Code WIDGE), a printing section (Sort AMER, Customer Type A2, Statement Cycle M, Print Dun Message checked), and a primary credit card information section (Card ID, Payment Type, Cardholder Name, Last Four Digits, Expiration Date). A dropdown menu is open over the 'Priority (1=high)' field, showing options 1 through 9. The interface also features buttons for 'Copy From...', 'Renumber...', 'More...', 'Accept', 'Cancel', 'Delete', and 'Credit Cards...'. The bottom of the window displays a Windows taskbar with a Start button and system tray icons.

The screenshot shows the Sage Sales Order Entry (ABC) 9/2/2014 window. The window title is "Sales Order Entry (ABC) 9/2/2014". The main area contains several sections:

- Order Information:** Order Number: 0000186, Order Date: 9/2/2014, Order Type: Standard Order, Master/Repeating No.: [blank].
- Customer Information:** Customer No.: 01-ABF, American Business Futures, Cust PD: [blank].
- Shipping Information:** Ship Date: 9/2/2014, Ship To Addr: 2, American Business Futures, Terms Code: 01, Net 30 Days, Ship Via: UPS BLUE, FOB: [blank], Confirm To: John Quinn, E-mail: artie@sage.sample.com, Fax No.: [blank], Comment: [blank].
- Status and Warehouse:** Status: New, Reason: [blank], Whse: 001, EAST WAREHOUSE.
- Sales Tax:** Schedule: WI, Wisconsin: [blank].
- Personnel:** Salesperson: 0100, Jim Kentley.
- Options:** Split Comm.: No, Split Comm...: [blank], Release: [checkbox], Allocate: [checkbox].
- Priority:** Future Order: [checkbox], Priority (1=high): 5 (highlighted in a blue box).
- Printing:** Print Order: [checked], Print Pick Sheets: [checked], Quick Print Without Displaying Printing Window: [checkbox].

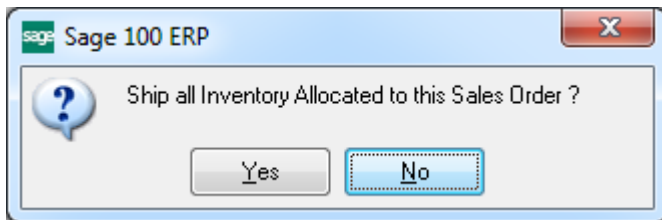
At the bottom of the window, there are buttons for "Print Order...", "Print Picks...", "Recalc Price", "Accept", "Cancel", "Delete", and a help icon.

One (1) is the highest priority number; nine (9) is the lowest. The default is five (5).

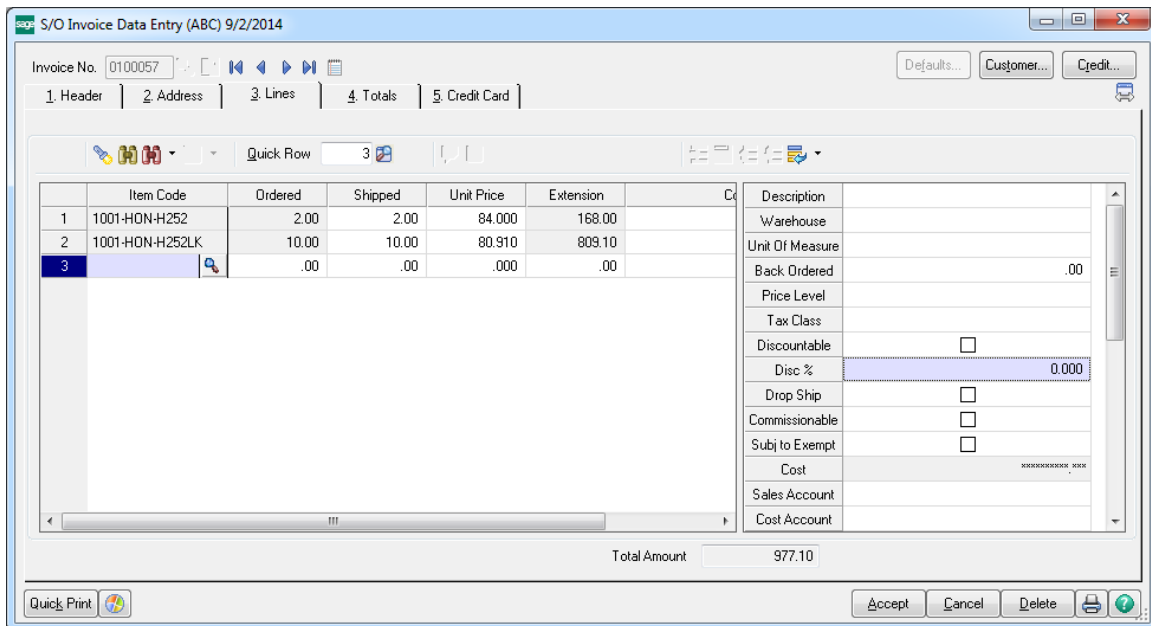
If the quantity available of the item is not sufficient to fulfill several Sales Orders, the item will be allocated to the higher priority order first. If orders have the same priority, the older date order is allocated first. If the dates are the same, the order with the smaller order number is allocated first.

Shipping Allocated Quantity**Invoice Data Entry**

When creating an Invoice, the following message appears:

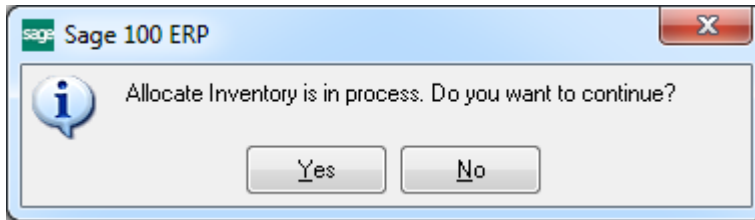


Click **Yes** to ship allocated quantities.



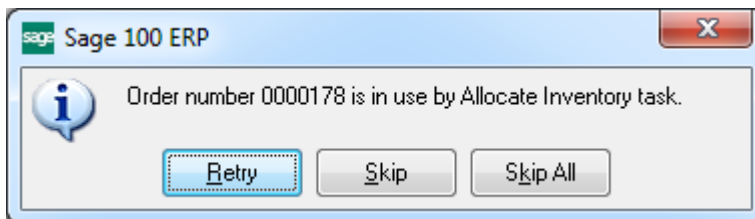
When generating Invoice(s) through the **Auto Generate Invoice Selection** program the quantity allocated (except of the Lot/Serial Items) in the Sales Order(s) will be automatically set as Shipped in the generated Invoice(s).

If the **Allocate Inventory** is in process the following message will appear while trying to generate Invoice(s) by the **Auto Generate Invoice Selection** program.



The user can select **Yes** to continue the process or **No** to terminate it.

During generation the user is prompted about the Order (s) being used by the Allocate Inventory process:



Shipping Data Entry

The **Ship Allocated** button added on the **Lines** tab of the **Shipping Data Entry** allows for shipping the quantities allocated in the Sales Order.

Shipping Data Entry (ABC) 9/2/2014

Shipper ID: 1 Ship Date: 9/2/2014 Order No.: 0000184
Shipping No.: 0100072 Ship Status: New SD Created By: 789
Customer No.: 01-ABF American Business Futures

1. Lines 2. Shipping

Item Code: Quick Row: 1 Pkg: 0001

Item Code	Ordered	Shipped	Back Ordered	Comment
2480-8-50	5.00	.00	.00	

Description: DESK FILE 8" CAP 50
Warehouse: 001
U/M: EACH
Package:

Quick Print Auto Increment Ship Allocated Accept Cancel Delete

Upon clicking the **Ship Allocated** button Shipped quantity is set equal to the quantity allocated in the Sales Order.

Sage Shipping Data Entry (ABC) 9/2/2014

Shipper ID: 1 Ship Date: 1/17/2014 Order No.: 0000174
Shipping No.: 0100059 Ship Status: Lines Completed SO Created By: 789
Customer No.: 01-ABF American Business Futures

1. Lines 2. Shipping

Item Code: Quick Row: 1 Pkg: 0001

	Item Code	Ordered	Shipped	Back Ordered	Comment
1	1001-HON-H252	5.00	5.00	.00	

Description: HON 2 DRAWER LETTER FLE W/O LK
Warehouse: 001
U/M: EACH
Package: 0001

Quick Print Auto Increment Ship Allocated Accept Cancel Delete

Auto Allocation During Journals Updates

The **Daily Receipt Registers/Update, Production Entry Register** and **I/M Transaction Journal** (for Adjustment and Receipt Transaction types) update programs have been modified to automatically allocate inventory to orders for updated inventory items. Respective option has been added to the **Inventory Management Options, Purchase Order Options** and **Bill of Materials Options** screens to make the auto allocation optional.

Sales Orders being in use while running the updates will be skipped from inventory auto allocation.

If the quantity available of the item is not sufficient to fulfill several Sales Orders, the Inventory is allocated to the higher priority order first. If orders have the same priority, the older date order is allocated first. If the dates are the same, the order with the smaller order number is allocated first.

The Inventory is automatically allocated only to the orders not set as **Future**.

Note: The auto allocation will not affect the orders being in use by the Sales Order Entry, Allocate Inventory programs and the ones being invoiced.

Inventory Management Options

The **Allocate Inventory to Sales Orders During Update** checkbox added on the Main tab of the Inventory Management Options screen enables inventory auto allocation to Sales Orders during Transaction Journal update.

The screenshot displays the 'Inventory Management Options (ABC) 2/13/2015' window. It features a tabbed interface with '1. Main', '2. Additional', '3. Entry', and '4. Printing' tabs. The 'Main' tab is active, showing several configuration sections:

- Warehouse Settings:** 'Require Multiple Warehouses' (checked), 'Reorder by Warehouse' (checked), and 'Default Warehouse Code' (000).
- Inventory Period:** 'Base Inventory Periods On' (Calendar Months), 'Current Calendar Year' (2015), and 'Current Period' (02).
- Segment Substitution:** 'G/L Segment for Whse Postings' (Location).
- Tracking and Integration:** 'Track Warehouse Transfers as Issues' (unchecked), 'Calculate Commission by Inventory Item' (checked), 'Include in Quantity Available' (No POs and WOs), 'Enable Warranty Tracking' (checked), 'Integrate with General Ledger' (checked), and 'Job Cost' (unchecked).
- Allocation Settings:** 'Allocate Inventory to Sales Orders During Update' (checked) and 'Enable Allocation by Total of Warehouses' (checked).

A tooltip message at the bottom of the window reads: "Select this option to allow inventory allocation based on the total quantity of warehouses."

The **Enable Allocation by Total of Warehouse** checkbox added on the Main tab of the Inventory Management Options screen to allow inventory allocation based on the total quantity of warehouse.

For **I/M Adjustment Transaction** only the adjustments entered with positive quantity, to increase the quantity on hand, are taken into account.

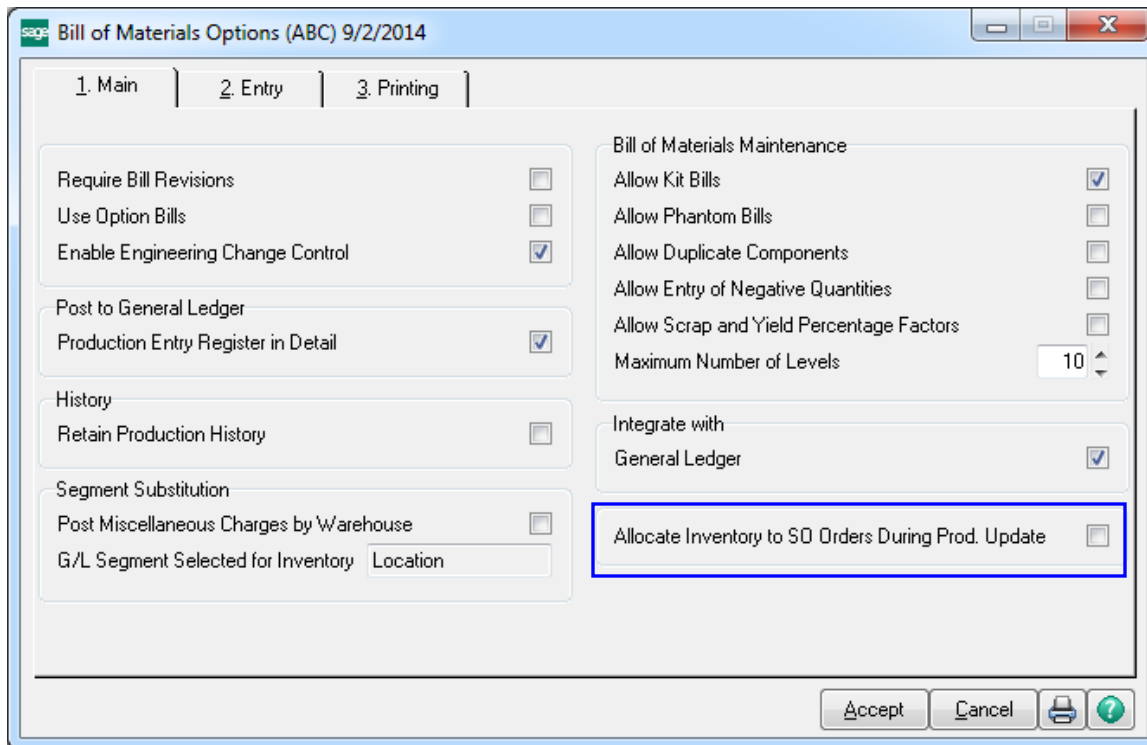
Purchase Order Options

The **Allocate Inventory to Sales Orders During Receipt Update** checkbox added on the **Main** tab of the **Purchase Order Options** screen enables inventory auto allocation to Sales Orders.

The screenshot shows the Sage Purchase Order Options (ABC) 9/2/2014 dialog box. The 'Main' tab is selected. The 'Purchase Orders' section includes fields for 'Days to Retain Completed Purchase Orders', 'Automatically Close Partially Received Purchase Orders', and 'Receipt Variance to Close Purchase Order Lines'. The 'Post Accounts Payable Invoices' checkbox is checked. The 'Calendar Month' section includes 'Current Calendar Year' (2014) and 'Current Period' (01). The 'Integrate with' section includes checkboxes for 'General Ledger', 'Inventory Management', 'Job Cost', 'Bank Reconciliation', and 'Work Order'. The 'Allocate Inventory to Sales Orders During Receipt Update' checkbox is checked and highlighted with a blue box. The 'Accept', 'Cancel', and 'Help' buttons are visible at the bottom.

Bill of Materials Options

The **Allocate Inventory to SO Orders During Prod. Update** checkbox added on the Main tab of the **Bill of Materials Options** screen enables taking care of Bill items auto allocation to Sales Orders.



Warehouse Code Maintenance

The **Include In Allocation** checkbox added on the **Warehouse Code Maintenance** allows the user to select the warehouse(s) to be included in the calculation of total quantity allowed for allocation.

The screenshot shows a software window titled "Warehouse Code Maintenance (ABC) 9/2/2014". The window contains the following fields and controls:

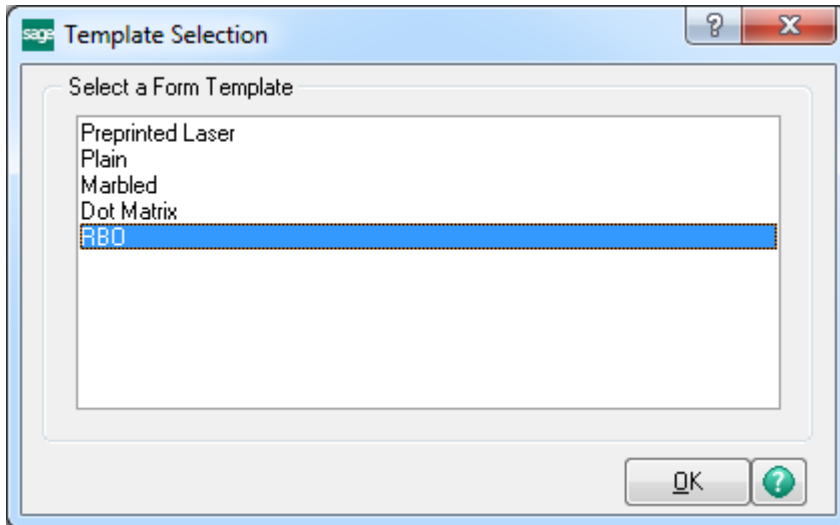
- Warehouse Code:** 001, with navigation buttons (back, forward, search).
- Description:** EAST WAREHOUSE
- Name:** [Empty text field]
- Address:** [Empty text field with a globe icon]
- ZIP Code:** [Empty text field]
- City:** [Empty text field] **State:** [Empty dropdown menu]
- Country:** [Empty text field with a magnifying glass icon]
- Telephone:** [Empty text field] **Ext:** [Empty text field]
- Fax:** [Empty text field]
- E-mail Address:** [Empty text field with an envelope icon]
- Contact:** [Empty text field]
- Post to Location:** 01 [Empty text field with a magnifying glass icon] East Sales Office
- Include In Allocation:**

At the bottom of the window are buttons for "Accept", "Cancel", "Delete", a printer icon, and a help icon.

Printings

Sales Order Printing

Open the **Sales Order Printing** program to Print/Preview Orders.



Select RBO form template from the Template selection to have the Quantity allocated displayed on the report.

The screenshot shows a software window titled "Sales Order Printing (ABC) 9/2/2014". It features several sections for configuring the print job:

- Form Code:** STANDARD (with a search icon)
- Description:** RBO
- Buttons:** Select, Clear, Designer...
- Number of Copies:** 1 (with up/down arrows)
- Collated:**
- Multi-Part Form Enabled:** (with a "Multi Part..." button)
- Sort Orders By:** Order Number (dropdown)
- Order Type to Print:** All (dropdown)
- Print Comments:** Partial (dropdown)
- Print Bill Options:**
- Line 1 Message:** (empty text box)
- Line 2 Message:** (empty text box)
- Selections Table:**

Select Field	Operand	Value	
Order Number	Equal to	0000176	<input type="text"/>
Warehouse Code	All		<input type="text"/>
- Printer:** Microsoft XPS Document Writer (dropdown)
- Buttons:** Alignment, Print, Preview, Setup, Help (question mark icon)

For Standard and Back Orders the **Sales Order Printing** screen includes the **Quantity Allocated**.

Sales Order Printing

Main Report

1

ABC Distribution and Service Corp. 0000176
1/16/2014

0100
01-ABF

American Business Futures 2131 N. 14th Street
Suite 100 Accounting Department Milwaukee, WI 53205-1204
John Quinn

American Business Futures Racine Warehouse
5411 Kendrick Place Racine, WI 53120

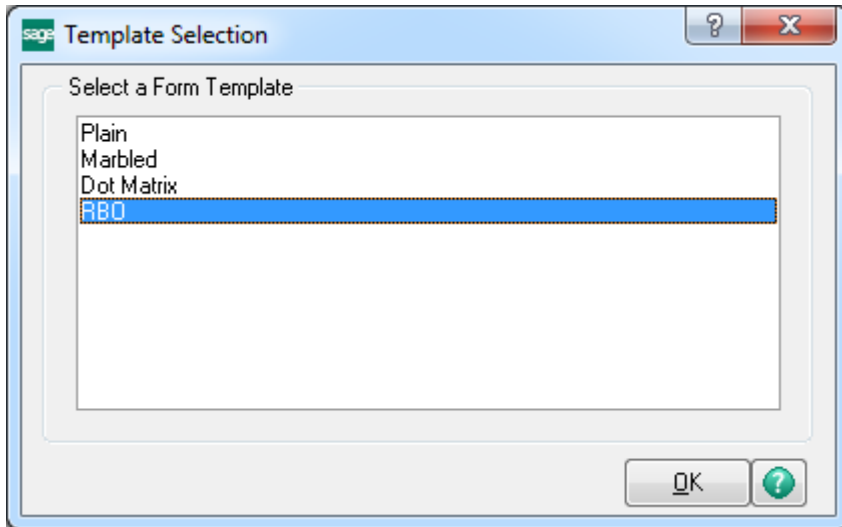
UPS BLUE Net 30 Days

1001-HON-H252	EACH	2.00	2.00	0.00	84.000	168.00
HON 2 DRAWER LETTER FLEW/O LK	EACH	10.00	10.00	0.00	80.910	809.10
1001-HON-H252LK	EACH					
HON 2 DRAWER LETTER FLEW/LCK						

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Picking Sheet Printing

Select the **Picking Sheet Printing** under the Sales Order Main menu.
Select RBO form template from the Template selection to have the Quantity allocated displayed on the report.



Check the **Suppress not Allocated Lines** box to exclude the lines with no quantity allocated from printing in the Picking Sheet.

The screenshot shows the 'Picking Sheet Printing (ABC) 9/2/2014' dialog box. It contains several sections for configuring the print job:

- Form Code:** STANDARD (with a search icon)
- Description:** RBO
- Buttons:** Select, Clear, Designer...
- Number of Copies:** 1 (with up/down arrows)
- Collated:**
- Multi-Part Form Enabled:** (with Multi Part... button)
- Order Type to Print:** All (dropdown)
- Print Orders on Hold:**
- Print Comments:** Partial (dropdown)
- Print Bill Options:**
- Include Unauthorized/Expired Credit Card Orders:**
- Include Back Order Quantity in Quantity Ordered:**
- Include Back Ordered Lines:**
- Additional Item Types to Print:**
 - Charge Items:
 - Miscellaneous Items:
 - Special Items:
 - Suppress not Allocated Lines:** (circled in blue)
- Line 1 Message:** [Empty text box]
- Line 2 Message:** [Empty text box]
- Selections Table:**

Select Field	Operand	Value
Order Number	All	
Warehouse Code	All	
- Microsoft XPS Document Writer:** (dropdown)
- Buttons:** Alignment, Print, Preview, Setup, Help (?)

This setting is defaulted to the **Suppress S/O lines with zero Quantity Allocated during Picking Sheet printing** box setting in the **Sales Order Options**.

The **Picking Sheet Printing** prints the **Quantity Allocated** instead of Quantity Ordered.

Picking Sheet Printing

Main Report

Page: 1

Picking Sheet

Warehouse: 001 EASTWAREHOUSE

OrderNumber: 0000112 OrderDate: 5/3/2010
 CustomerNumber: 02-CUSTOM Salesperson: 0300

Sold To: Ship To:
 CustomCraft Products CustomCraft Products
 1007 West 1st Street 1007 West 1st Street
 Santa Ana, CA 92554 Santa Ana, CA 92554
 Confirm To: RexAnderson

Customer P.O.	Ship VIA	F. O. B.	Terms			
VERBAL	UPS BLUE		2% Ten Days, Net 30 Days			
Location	Item Code	Unit	Allocated	Shipped	Backordered	Code
A-100-20	PFS-007-CABLE EIARS232 CABLE 7 CONDUCTOR	FT	1,000.00			C
A-300-30	PFS-007-CONN-F EIARS232 CONECT 7 CONDUCTORF	EACH	10.00			C
A-300-40	PFS-007-CONN-M EIARS323 CONECT 7 CONDUCTORM	EACH	15.00			C
E-100-40	GLOB-V-3096-25W GLOBEFOLDING TABLE 30x96	EACH	5.00			C
E-100-50	GLOB-V-3696-25W GLOBEFOLDING TABLE 36x96	EACH	4.00			C
E-400-10	VOG-CM-MSC STORAGECUBE	EACH	8.00			C
E-400-20	VOG-CM-MP-B	EACH	3.00			C

Current Page No.: 2 Total Page No.: 2+ Zoom Factor: 100%

Note: The Suppress Not Allocated Lines option is applied only to regular Items. This option is skipped for parent Item of exploded Kit.

A special field has been added to the **Picking Sheet Printing** screen to indicate how many times the line has been printed in the Picking Sheet. Picking Sheets from the same Sales Order, printed with some time interval, may have different Allocated Quantities. The first time, the line is printed with **Code "A"**. The next time, the line is set to B, then C, and so on. Lines in the same Pick Sheet can have different Codes, if one of them was added to the Order later than another (after printing the Pick Sheet several times). Line Codes are reset during Daily Sales Reports/Updates.

Open Sales Order Report

Modifications have been done in **Open Sales Order Report** to add **Priority Code Sort Option** and **Select** drop down box.

The **Priority Code** field has been added to the **Selections** to allow tab, which allows specifying priority codes in the range of 1..9.

The **Select** drop down box is enabled only if the **Allow Future Order** option is selected on the **Main** tab of the **Sales Order Options**. Here you can select to print the report for **All Orders**, only for **Future Orders**, or for **All Orders except Future Orders**.

Open Sales Order Report (ABC) 9/2/2014

Report Setting: STANDARD [Save]

Description: Open Sales Order Report

Setting Options

Type: Public [Print Report Settings] [Number of Copies: 1]

Default Report: [checked] [Three Hole Punch] [Collated: [checked]]

Sort Report By: Priority Code [Select: All Orders]

Sales Order Types to Print

All Types: [] [Back Orders: [checked]] [Master Orders: []]

Standard Orders: [checked] [Price Quotes: []] [Repeating Orders: []] [RMA Orders: []]

Extension Calculation: Quantity On Order

Sales Order Statuses to Print

All Statuses: [checked] [New: [checked]] [Open: [checked]] [Hold: [checked]]

Print Summary Report: [] [Print Tax Detail: []] [Only Print Unauthorized or Expired Credit Card Orders: []]

Include Component Lines: [] [Print Comments: Partial]

Selections

Select Field	Operand	Value
Sales Order Number	All	
Customer Number	All	
Shipping Date	All	

Microsoft XPS Document Writer [Keep Window Open After: Print [] Preview []] [Print] [Preview] [Setup] [?]

Here is the result of printout:

Open Sales Order Report
Sorted By Sales Order Number
For Order Types: Back Orders, Standard Orders

ABC Distribution and Service Corp. (ABC)

Order Number	Type / eBM	Customer / Name	Item Description	P	Unit	Price	Quantity On Order	Quantity Shipped	Quantity Back Order	Extension
0000111	Back	02-JELICO	Jelico Packing							
		Cust PO: VERBAL	salesperson : 0300	Order Date: 5/1/2010	Status: Open	Last Invoice: 0100004	Last Invoice Date: 5/5/2010	Ship Date: 5/1/2013		
5/1/2013		GB-EUGMS-25	RJ-11 4 WIRE MOD CABLE 25 FT	001	EACH	4,810	15.00	15.00	0.00	0.00
5/1/2013		GB-EQ380-10-M/F	CENTRONICS CABLE 10 FT M/F	001	EACH	33,470	5.00	5.00	0.00	0.00
5/1/2013		GB-EQ380-10-M/M	CENTRONICS CABLE 10 FT M/M	001	EACH	32,090	10.00	10.00	0.00	0.00
5/1/2013		GB-EQ380-5-M/F	CENTRONICS CABLE 5 FT M/F	001	EACH	28,130	10.00	10.00	0.00	0.00
5/1/2013		GB-EQ380-5-M/M	CENTRONICS CABLE 5 FT M/M	001	EACH	28,130	10.00	10.00	0.00	0.00
5/1/2013		GB-MD791	MODEM 9600 FAST POLL	001	EACH	1,895,250	5.00	1.00	4.00	7,581.00
Freight										3.00
Sales Tax										467.18
Less Trade Discount										1,137.15 -
Order 0000111 Total:										6,514.03
0000112	Std	02-CUSTOM	Custom Craft Products							
		Cust PO: VERBAL	salesperson : 10300	Order Date: 5/3/2010	Status: Open	Last Invoice:	Last Invoice Date:	Ship Date: 5/1/2010		
5/1/2010		GLOB-V-3060-25W	GLOBE FOLDING TABLE 30x60	001	EACH	89,600	2.00	0.00	0.00	179.20
5/1/2010		GLOB-V-3096-25W	GLOBE FOLDING TABLE 30x96	001	EACH	110,730	5.00	0.00	0.00	553.65
5/1/2010		GLOB-V-3096-25W	GLOBE FOLDING TABLE 30x96	001	EACH	131,000	4.00	0.00	0.00	524.00
5/1/2010		PFS-007-CABLE	EIA RS232 CABLE 7 CONDUCTOR	001	FT	0.180	1,000.00	0.00	0.00	180.00
5/1/2010		PFS-007-CONN-F	EIA RS232 CONNECT 7 CONDUCTOR F	001	EACH	13,000	10.00	0.00	0.00	130.00
5/1/2010		PFS-007-CONN-M	EIA RS232 CONNECT 7 CONDUCTOR M	001	EACH	13,000	15.00	0.00	0.00	195.00
5/1/2010		VOG-CM-CASTERS	CASTERS (SET OF 4, 2 W/LOCK)	001	SET	20,460	10.00	0.00	0.00	204.60
5/1/2010		VOG-CM-MP-B	MODESTY PANEL	001	EACH	42,000	3.00	0.00	0.00	126.00
5/1/2010		VOG-CM-MSC	STORAGE CUBE	001	EACH	266,750	8.00	0.00	0.00	2,134.00
5/1/2010		W-J-M-2107-B	POST BINDER 3/8 X 1 (100)	001	BOX	30,980	12.00	0.00	0.00	371.52
5/1/2010		W-J-M-2109-A	POST BINDER 3/16 X 1/2 (100)	001	BOX	28,400	5.00	0.00	0.00	142.00
Freight										11.50
Sales Tax										226.06
Less Trade Discount										418.63 -
Order 0000112 Total:										4,558.88
0000115	Std	01-ABF	American Business Futures							
		Cust PO: VERBAL	salesperson : 0100*	Order Date: 5/18/2010	Status: New	Last Invoice:	Last Invoice Date:	Ship Date: 5/31/2010		
5/31/2010		D1400	EXECUTIVE DESK ENSEMBLE	001	EACH	1,700,000	4.00	0.00	0.00	6,800.00
5/31/2010		D1700	SECRETARY DESK ENSEMBLE	001	EACH	900,000	2.00	0.00	0.00	1,800.00
Sales Tax										116.10

Current Page No.: 1 Total Page No.: 1+ Zoom Factor: 100%

You can see that **Priority Code (Pr. Code)** field added on the printout.

Item Quantity Inquiry

The **Allocated** column added to the **Item Quantity Inquiry** grid allows for viewing information about quantity allocated by warehouse. The **Allocated** column in the **Totals** grid displays the total quantity allocated for all warehouse locations.

Whse	Descrip...	On H...	On PO	On SO	On Bk Ord	Committed	Available	Allocated
000	CENTR...	925.00	.00	.00	.00	.00	925.00	.00
001	EAST ...	225.00	.00	100.00	.00	100.00	160.00	15.00
002	WEST ...	435.00	.00	.00	.00	.00	435.00	.00

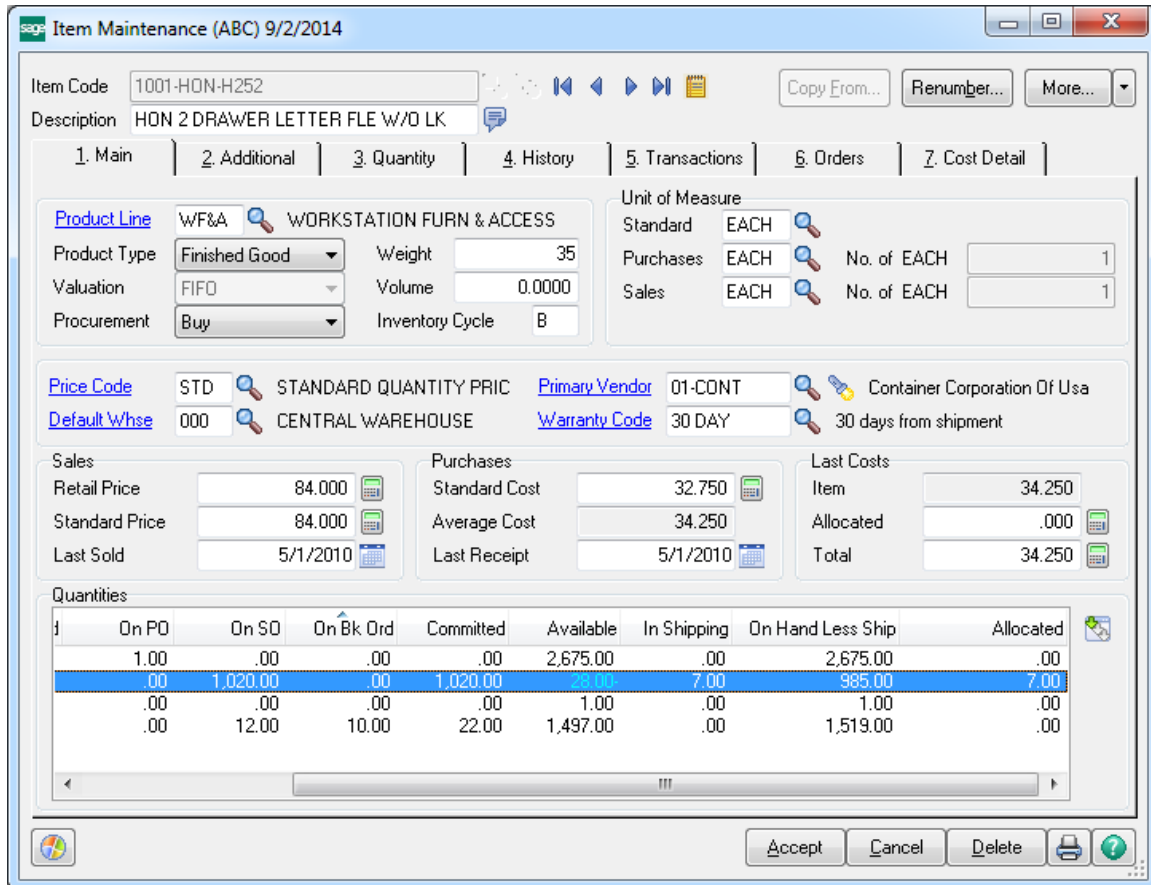
	On Hand	On PO	On SO	On Bk Ord	Committed	Available	In Shipping	On Hand
Totals	1,585.00	.00	100.00	.00	100.00	1,520.00	.00	

This window is accessible by one of the following methods:

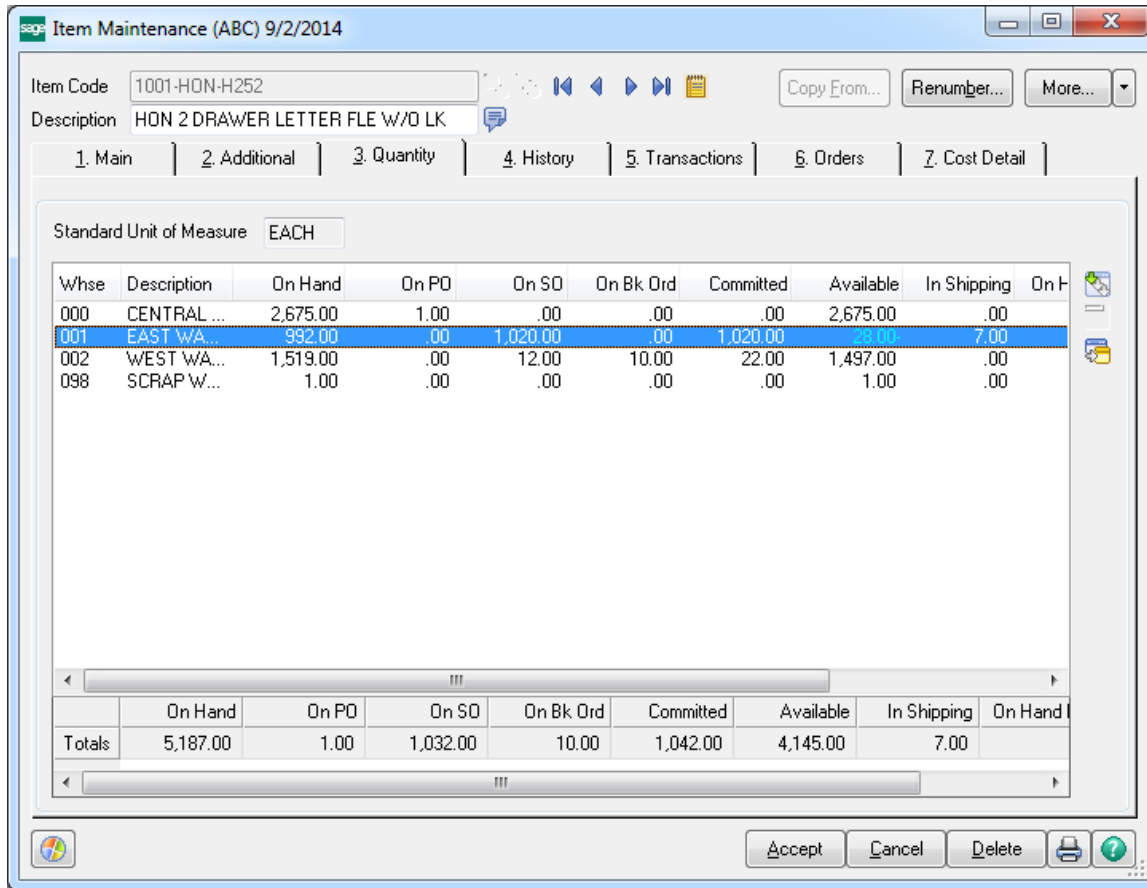
- In any data entry window that allows inquiry on a line item, select a line item, and then click the Item Quantity Inquiry button.
- In any data entry window, at the Item Code field, right-click and select Item Quantity Inquiry.

Item Maintenance/Inquiry

The **Allocated** column added to the Quantity grid on the Main and Quantity tabs allows for viewing allocated quantity for the selected item by warehouse.



The **Allocated** field in the Totals grid shows the total quantity allocated for all warehouses.



The **Allocated Qty** column added to the **Sales Order** grid on the **Orders** tab allows for viewing the quantity allocated on sales orders by the Order numbers and the total Allocated on all Sales Orders.

Item Maintenance (ABC) 9/2/2014

Item Code: 1001-HON-H252
Description: HON 2 DRAWER LETTER FLE W/O LK

1. Main | 2. Additional | 3. Quantity | 4. History | 5. Transactions | 6. Orders | 7. Cost Detail

Purchase Order Sales Order

Order No.	Customer Name	Order Date	Whse	Ordered	Shipped	Back Ordered	Allocated Qty	Promise Date
LENAP	Allen's Appliance...	5/15/2010	002	12.00	.00	.00	.00	5/15/2010
HERCON	American Concret...	5/23/2010	002	35.00	25.00	10.00	.00	5/23/2010
DOZ	A To Z Carpet Su...	5/15/2010	001	2.00	.00	.00	.00	5/31/2010
IF	American Busines...	5/1/2010	001	1.00	.00	.00	.00	5/1/2010
IF	American Busines...	1/16/2014	001	5.00	.00	.00	5.00	1/16/2014
IF	American Busines...	1/16/2014	001	2.00	.00	.00	2.00	1/17/2014
IF	American Busines...	2/12/2014	001	1,000.00	.00	.00	.00	2/12/2014
IF	American Busines...	9/2/2014	001	10.00	.00	.00	.00	9/2/2014

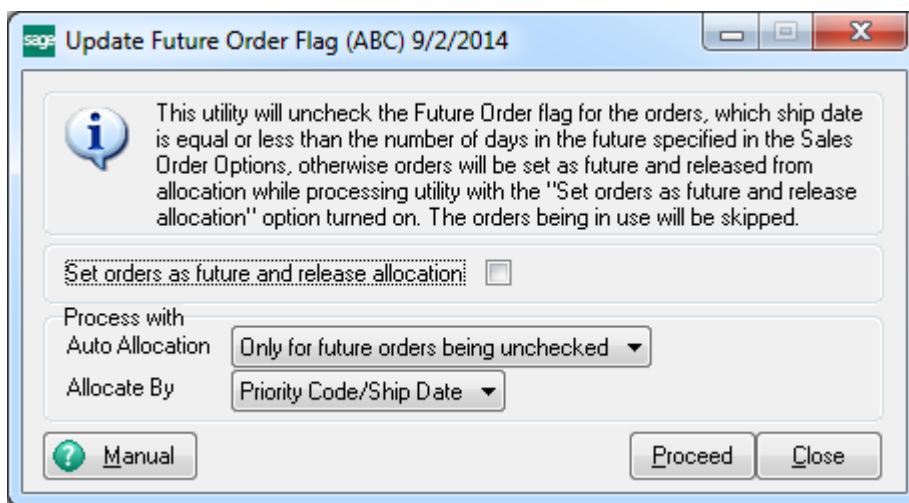
Ordered: 1,067.00 Shipped: 25.00 Back Ordered: 10.00 Allocated: 7.00

Accept Cancel Delete

Update Future Order Flag

The **Update Future Order Flag** utility has been added to the **Sales Order Utilities Menu** to allow the user to automatically take off the Order from Future or put to Future if certain conditions are met:

- If the difference between the Order's **Ship Date** and **Current Module Date** is equal or less than number of days in the future specified in the **Sales Order Options** the Future flag will be turned off.
- If the difference between the Order's **Ship Date** and **Current Module Date** is greater than number of days in the future specified in the **Sales Order Options** and the utility is processed with the **Set orders as future and release allocation** checkbox selected, the Future flag will be turned on and the allocation zeroed on the Sales Orders lines.



This utility provides also additional options for processing Auto Allocation:

Only for future orders being unchecked- if this option is selected for auto allocation the program will process only those orders, which have been taken off from future in a result of running this utility.

For All Orders- all existing orders, which are not marked as **Future Order**, will take part in the auto allocation.

Do Not Allocate- no allocation will process.

The auto allocation of the Orders can be done respectively based on the Allocate By option:

Priority Code/Ship Date- allocation will process for higher priority order first. If orders have the same priority, the older Ship Date order will be allocated first.

Ship Date/Priority Code- allocation will process for orders with older Ship Date first. If orders have the same Ship Date the high priority order will be allocated first.

Ignore Ship Date- allocation will process based on the standard allocation logic.

Note: The Orders being in use by other tasks, at the time of running the utility, will be skipped.

For this utility a log is generated in the system SOA folder with the following name:

IIG_RBOFutureOrder.log.

Running the Update Future Order Flag Utility Outside of MAS

For running the **Update Future Order Flag** outside of MAS90 the user just need to add the following arguments: **-ARG DIRECT UION "Username" "Password" "CompanyCode""SO068_RBOFutureOrderUtl" "RPF"** to the end of the text (“pvxwin32.exe -hd ..\launcher\sota.ini ..\soa\startup.m4p”) in the Target field of the MAS90 shortcut where: **Username** - is the user's logon. If security has been set up, a valid user logon is required. If security has not been set up, enter "" instead of a user logon.

Password- is the user's password. If the user does not have a password, or if security has not been set up, enter "" instead of a password.

CompanyCode- is the company code that should be used.

The argument “**RPF**” means the utility will be automatically run without opening the utility screen with the following options set by default: **Set orders as future and release allocation, Auto Allocation** set to **Only for future orders being unchecked** and **Allocate by** set to **Priority Code/Ship Date**.

In order to run the utility with **Set orders as future and release allocation option** turned off remove prefix “R” from argument “PF”.

Here are the possible arguments values for respective options:

“**P**”- **Priority Code/Ship Date**

“**S**”- **Ship Date/Priority Code**

“**T**”- **Ignore Ship Date**

“**N**”- **Do not allocate**

“**F**”- **Only for Future orders being unchecked**

“**A**”- **For All Orders**

If no argument is entered the utility screen will be opened..

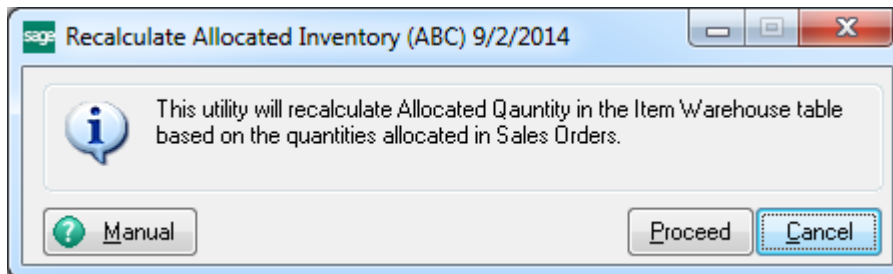
If no allocation is required the user can enter only “**N**” as the argument to update just the Future Flag without processing allocation.

The user can create a task in the windows task scheduler to run the utility automatically on the scheduled Day/Time.

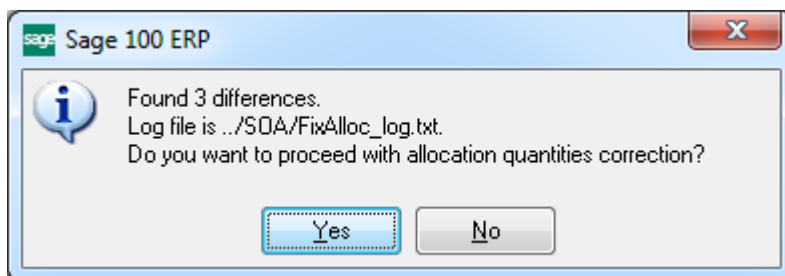
Note: When running the utility outside of MAS90 the System Date is taken into account instead of current Module Date.

Recalculate Allocated Inventory

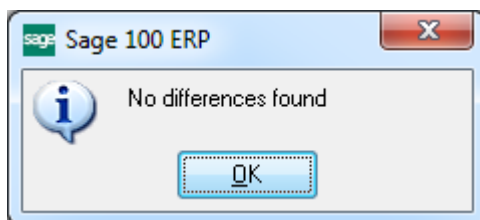
The **Recalculate Allocated Inventory** program has been developed to allow correcting Allocated Quantity in the Item Warehouse table based on the quantities allocated on Sales Orders. This program can be run from **Inventory Management Utilities** menu.



Click **Proceed**. When differences are found the following message is displayed:



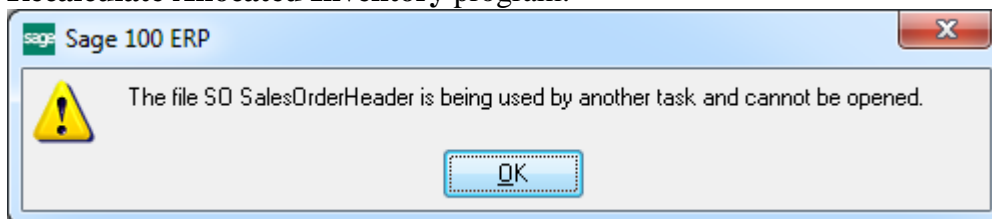
Otherwise the following message is displayed:



When clicking **Yes**, the program corrects the quantities.

In the `../SOA/FixAlloc_log.txt` file you can view the differences in item quantities.

Note: If **Sales Order** is opened, the following message appears when opening **Recalculate Allocated Inventory** program:



Lister - [D:\MAS\MAS500\RBO\MAS90\SOA\FixAlloc_log.txt] 100 %

File Edit Options Encoding Help

Date: 1/16/2014 - 16:14 Company: ABC
Item No WHSE Actual Alloc Qty In File

0 difference(s) found
=====

Date: 1/16/2014 - 16:16 Company: ABC
Item No WHSE Actual Alloc Qty In File

1001-HON-H252	000	.00	5.00
1001-HON-H252	001	10.00	4.00
1001-HON-H252	002	22.00	15.00

3 difference(s) found
=====