

Sage MAS 90 and 200 ERP

Version 4.4 Pre-Release Guide

November 2009



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OVERVIEW

The SAGE MAS 90 and SAGE MAS 200 ERP version 4.4 release will provide new features and enhancements for workflow and business processes for all customers, with particular benefits in the inventory, purchase order, bill of materials and bar code areas of the system. These enhancements will provide something for everyone — customers will work even more efficiently the way they want to. Included in this release are features such as parallel migration from previous releases, the expansion of customer and item number fields, additional enhancements to reports and business intelligence capabilities, enhancements to inventory management, purchase order, and usability improvements for batch entry and standard cost adjustments. In 4.4, we will continue to add new features and functionality with little or no impact on total cost of ownership (TCO), and some customers' TCO will be reduced.

Focusing on workflow and business processes, the 4.4 release will apply the power of the Business Framework™ standards to Purchase Order, Inventory Management, Bill of Materials, and Bar Code. These add to the modules already in the Business Framework: General Ledger, Accounts Payable, Accounts Receivable, Sales Order, Return Merchandise Authorization, and Bank Reconciliation. The Business Framework also provides many usability features that will allow an easy upgrade to new releases and will lower customers' TCO by providing simple tools they can use to create and modify existing reports, and add user defined fields. The Business Framework also provides the functionality for features and functionality such as: Business Insight Explorer, Memo Manager, wizard-based report creation, personalized data grids, and maintenance task hyperlinks. Following 4.4, our next Sage MAS 90 and 200 release will focus on adding features and functionality throughout the system, in some cases incorporating many of the features from popular Extended Solutions titles.

4.4 will continue to build on the vast number of predefined Business Insights Explorer (BIE) views that are shipped in Sage MAS 90 and 200, and provided to every customer. Our powerful ad-hoc reporting tool will continue to provide visibility into every customers business; additional BIE views will include Item Quantities by Warehouse View, Vendor History Purchases View, Open PO by Vendor Name View, Bill of Materials View and Component Where-used View. Quick-click charts, introduced in 4.3, and related tasks will also be available for the new views. The PO views will include drop ship information for more visibility into the details of that business process.

Parallel Migration will provide the ability to migrate from previous versions of Sage MAS 90 or 200 (version 3.71, 4.0, 4.05, 4.10, 4.2 or 4.3), to version 4.4 with more freedom and control over the upgrade process, and remove some of the time constraints previously experienced. While continuing normal business operations on the current software installations, customers will be able to work with their Business Partner to begin their upgrade by installing the new software in a separate (parallel) location on the same server or on a different server. On this second location, the new system can be prepared and tested until it is ready to be adopted by the customer's business. When ready, the current operational data is re-migrated to the new system. Customers may reduce the overall cost of their upgrades by minimizing the impact on their business and the amount of time that their system is down, especially since the entire upgrade will not need to occur outside of normal business hours. Built-in pre-migration utilities will be included to prepare data prior to the upgrade and migration.

Both new and current customers will be able to immediately benefit from the numerous enhancements in Sage MAS 90 and 200 4.4. Sage will continue to listen to our customers and partners and provide the functionality that is most important to them. We strongly encourage customers running older versions of Sage MAS 90 and 200 to upgrade to the most current release to begin taking advantage of all the benefits outlined in this document.

AVAILABILITY

Sage MAS 90 and Sage MAS 200 version 4.4 is scheduled for release in the first calendar quarter of 2010. New customer shipments and the Business Partner autoship will be closely followed by the current customer maintenance shipments.

UPDATED BUSINESS DESKTOP

The Sage MAS 90 and 200 Business Desktop will be refreshed in 4.4 to reflect a more contemporary web look and feel, connect to real-time information posted on the community forums, current training information, and a new product enhancement request tool. The Resources section will also be updated, and will continue to provide access to What's New in the 4.4 release, previous release enhancement highlights, the Getting Started Guide and Upgrade Guide PDFs, the Help Center, the Business Insights Dashboard, and information on data file structures.

NEW INFORMATION CENTER

From the updated Desktop Information Center, customers will be able to easily access and benefit from information posted on the Sage MAS 90 and 200 Online Community, the most current schedule and details about training classes from Sage University, read the current and back issues of the monthly Customer Newsletter, connect to our support site, and provide us with product enhancement requests using a new streamlined process.

The screenshot shows the Sage MAS 90 Desktop Information Center interface. The left sidebar lists various modules and tasks. The main content area is divided into several sections: 'Community Forums', 'Sage Newsletter', and 'Tell Us What You Think'. Each section is highlighted with a green callout box containing descriptive text.

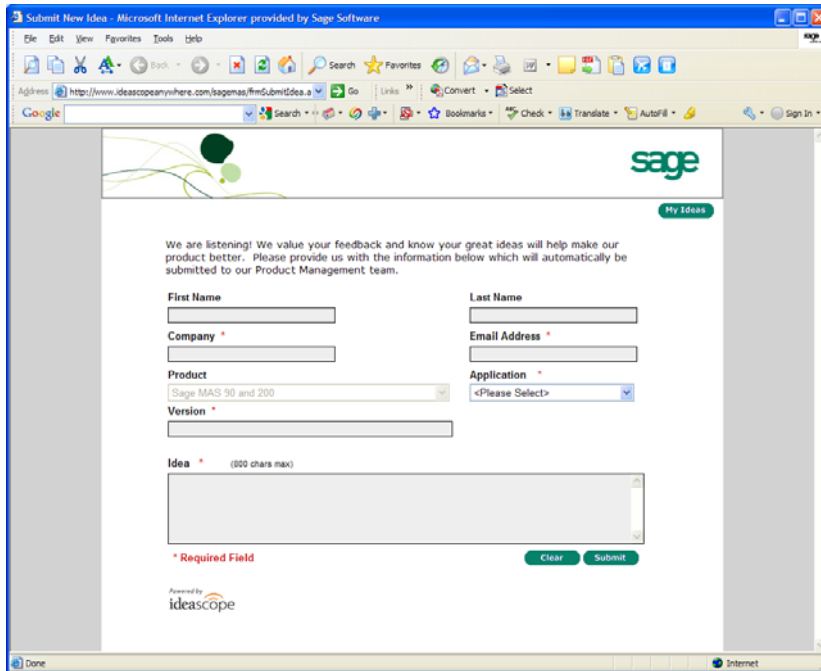
- Community Forums:** A callout box states, "Customers will have more visibility and ready access into the Sage MAS 90 and 200 Online Community through the updated desktop presence and link." The interface includes a 'Sage MAS Community Forum' button and a grid of icons for 'Discuss', 'Share', 'Learn', and 'Succeed'.
- Sage Newsletter:** A callout box states, "Customers will have easy access to the current and back issues of the Sage MAS 90 and 200 Customer Newsletter." The interface includes a 'Sage Newsletter' link.
- Tell Us What You Think:** A callout box states, "New 'Tell Us What You Think' will provide streamlined access to make enhancement requests, see and vote on what others have submitted, and track submission status." The interface includes a 'Tell Us What You Think' link.

The interface also features a 'Training and Support' section with links to 'Sage MAS 90 and 200 Training Options' and 'Sage MAS 90 and 200 Support'. The status bar at the bottom indicates 'ABC Distribution and Service Corp. (ABC)', 'Library Master', '(No Users)', and '9/21/2009'.

The new Sage MAS 90 and 200 desktop will provide a streamlined method for customers to access the online community, training and support, the customer newsletter, and make product enhancement requests.

NEW “TELL US WHAT YOU THINK” ENHANCEMENT REQUEST TOOL

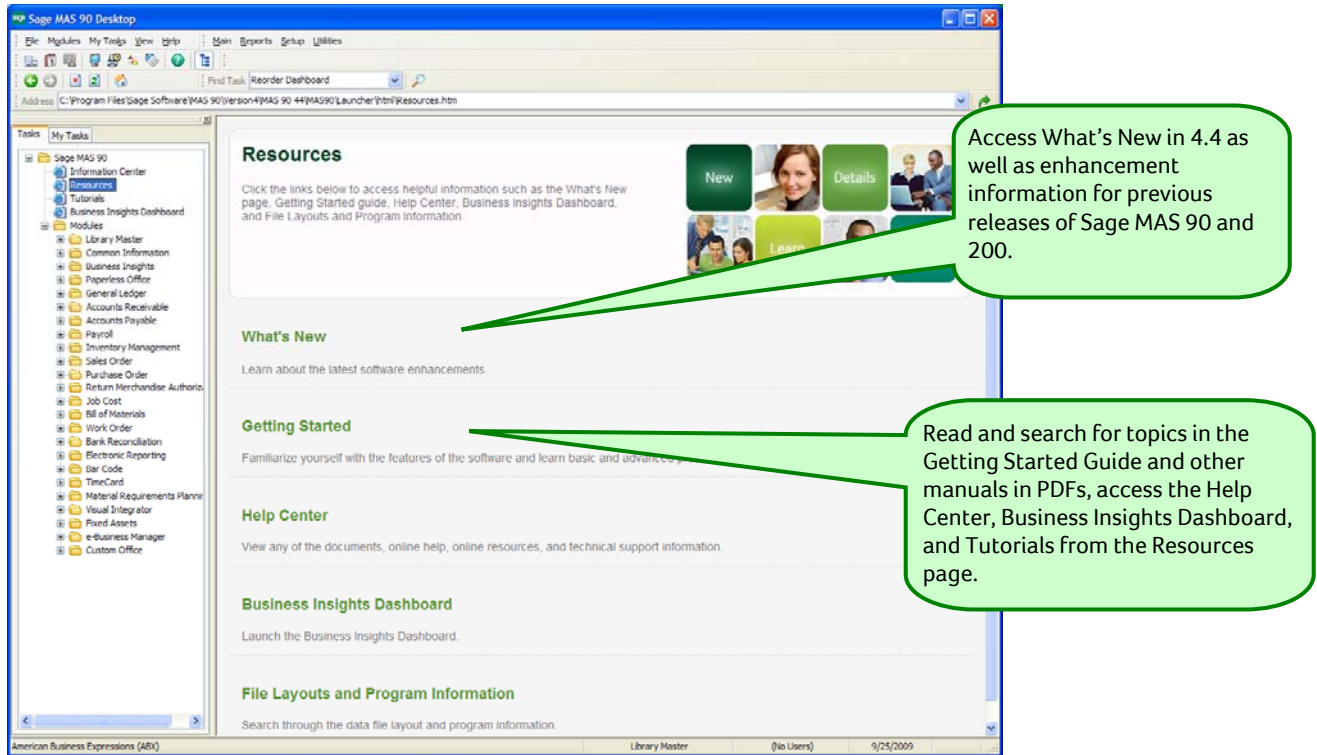
The new Sage MAS 90 and 200 4.4 “Tell Us What You Think” section will provide a streamlined method for customers to make product enhancement requests. Customers will also be able to view other customer requests and if any of those requests already submitted are similar to their own suggestions, they will be able to vote on them instead of submitting their own. They’ll also be able to track the status of their requests as they move through the Sage evaluation process, and when and if it is incorporated into a new version.

A screenshot of a web browser window displaying the Sage MAS 90 and 200 idea submission tool. The browser title is "Submit New Idea - Microsoft Internet Explorer provided by Sage Software". The address bar shows the URL "http://www.ideascopenvhere.com/sagemas/fmSubmitIdea.a". The page features the Sage logo at the top right and a "My Ideas" button. Below the logo, a message reads: "We are listening! We value your feedback and know your great ideas will help make our product better. Please provide us with the information below which will automatically be submitted to our Product Management team." The form includes fields for "First Name", "Last Name", "Company", "Email Address", "Product" (a dropdown menu with "Sage MAS 90 and 200" selected), "Application" (a dropdown menu with "<Please Select>" selected), and "Version". A large text area for "Idea" is labeled "(800 chars max)". At the bottom of the form, there are "Clear" and "Submit" buttons. A red asterisk indicates a "Required Field". The footer of the page says "Powered by ideascOpe".

The new Sage MAS 90 and 200 idea submission tool will provide a streamlined method for customers to provide feedback and make product enhancement requests, and track their status.

UPDATED RESOURCES SECTION

The Resources section will also be updated in 4.4, and will continue to provide access to the “What’s New” information in the 4.4 release, and efficient access to the release enhancement highlights for customers who will be upgrading from an older version of Sage MAS 90 or 200. Resources will also provide easy access to the Getting Started Guide and Upgrade Guide PDFs, and other manuals, so each user can have their own electronic copy for easy reference. The Resources section also provides ready access to the Help Center, Business Insights Dashboard, Help topics, and more.



EXPANDED CUSTOMER NUMBER

The customer number field will be expanded to 20 characters in 4.4. In previous releases, this field has been limited to 7 characters. The Division number will remain at 2 characters. Upgrading customers will be able to continue to use their existing 7 character setting, or they can choose on a company-by-company basis to expand the field in order to use the 20 character option. Expansion is implemented by company, from Accounts Receivable Setup, Options. New customer installations will automatically be set to 20 active characters.

Once a customer chooses to expand their customer number they will not be able to revert back to the 7 character setting. Because there is no “undo”, we have included multiple warning layers during the expansion process. Customers will be able to review an example of how using the Expanded Customer Number will affect some of their screens and reports by using the 4.4 demo data in the updated American Business Expressions (ABX) demo company.

The new 20 character field length allows new Sage MAS 90 or 200 customers moving up from entry-level accounting products (such as Peachtree, QuickBooks and BusinessWorks), to continue using their existing customer number if they choose to do so. This will allow growing businesses the ability to continue to use their customer’s names as their customer number, or an abbreviation of the name with additional information such as “coded” or “themed” bits of information such as store number, location, or even the customer’s telephone number.

Customer No. 01-12345678901234567890

Name Expanded Customer Number Co

1. Main | 2. Additional | 3. Statistics | 4. Summary | 5. History | 6. Invoices | 7. Transactions | 8. S/Os

Address 12345 Main Street

ZIP Code 90210

City Beverly Hills State CA

Country USA United States of America

Residential Addr

Salesperson 0100 Jim Kentley

Telephone (310) 555-1234 Ext

Fax

Terms Code 00 No Terms

Primary Contact KAREN

Ship Code UPS BLUE

Primary Ship To

Tax Schedule CA California Exemptions...

Credit Hold

Credit Limit .00

E-mail Address

URL Address

Accept Cancel Delete

Sage MAS 90 Business Insights Explorer - Customer

Look For: Search In (All Columns)

Customer

Div	Customer	Name	Current Balance	Aging 1	Aging 2	Aging 3	Aging 4
01	HILLSB	Hillsboro Service Cent	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
02	JELLCO	Jelco Packing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
02	ORANGE	Orange Dr Window Co.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
01	RSSUPPL	R Supply Corp.	\$70,584.91	\$0.00	\$0.00	\$0.00	\$0.00
01	SHEPARD	Shepard Motorworks	\$10,452.34	\$0.00	\$0.00	\$0.00	\$0.00
01	WATERANAHEIM	Water Drinkers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
01	WATERBREA	Water Drinkers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Customer Sales History by Period

Fiscal Year Fiscal Period Dollars Sold Cost of Goods Sold Cash Received Finance Chrgs No. of Invc No. of Fin Chrgs

<No data to display>

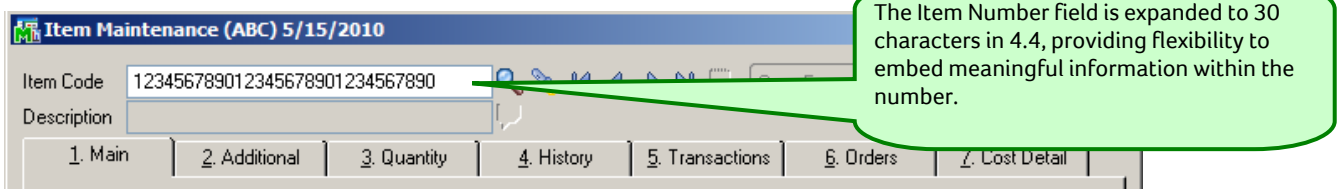
Example – if a business has a customer (Water Drinkers) with multiple locations (Anaheim and Brea) and a separate account for each, it will be possible to add the city, Zip Code, telephone number, or store number within the customer number as unique information to more quickly identify a specific account.

EXPANDED ITEM NUMBER

The item number field will be expanded to 30 characters in 4.4. In previous releases, this field has been limited to 15. This expansion also applies to special and miscellaneous items. Upgrading customers will be able to continue to use their existing 15 character setting, or they can choose to expand the field.

The new 30 character field length will allow customers moving up from entry-level accounting products (such as Peachtree, QuickBooks and BusinessWorks), to continue using their existing numbering system if they choose to do so on a company by company basis. This will allow customers to easily and quickly identify or locate the correct item by adding “coded” information such as a full UPC code within the item number using the additional characters. The choice to expand for existing items will be done on a company by company basis, accessed in Sage MAS 90 or 200 from Common Information Setup, and the Options menu. New system installations will automatically use the expanded fields.

The new expanded item field will allow customers in certain industries to use “smart” part numbers that include key materials in the manufacture of the items, so staff and customers will instantly know if the items can be recycled or require special handling.



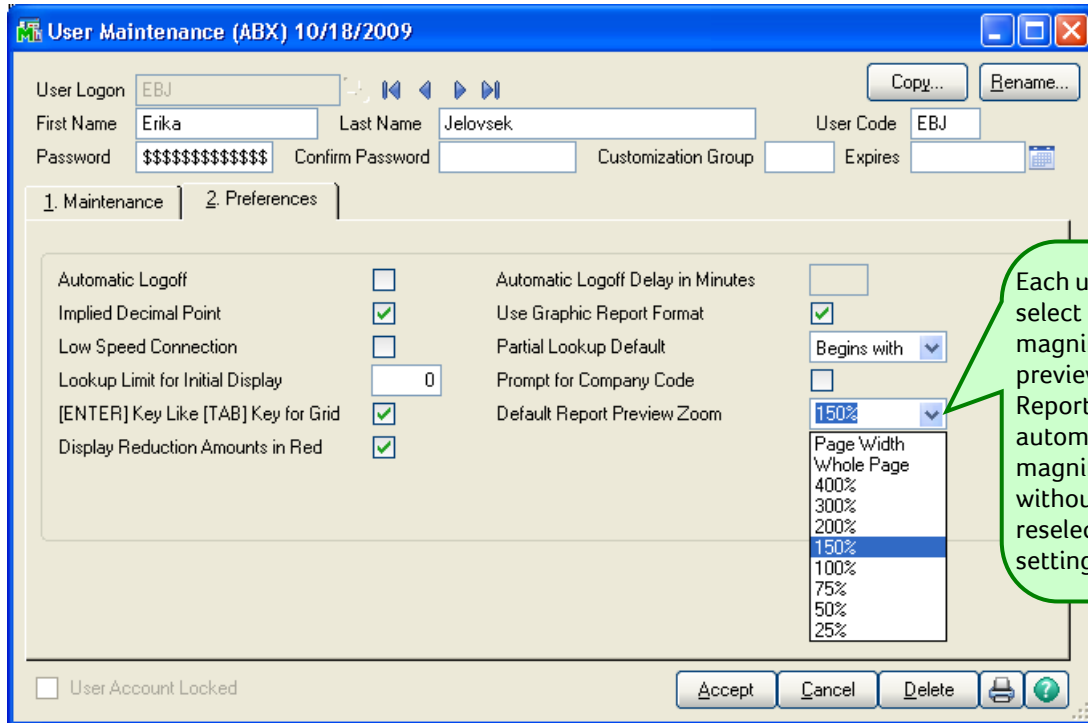
Examples: Use the UPC code as the item code, or add a vendor name within an item number to easily identify similar or substitutable products purchased from multiple vendors.

USABILITY ENHANCEMENTS

In addition to the usability enhancements that will be added by taking four additional modules to the Business Framework (for details, see Business Framework section later in this document), several additional usability enhancements have also been added to the Sage MAS 90 and 200 system. Report Preview will allow individual users to set their own (per user) default magnification level for previewing reports. Alias Item Inquiry will be available throughout the system, and additional concept menus will be available from data entry grids in Sales Order, Purchase Order and Bill of Materials.

PERSISTENT REPORT PREVIEW SETTING

Report Preview will allow individual users to set their own (per user) default magnification level for previewing reports. After a user establishes their magnification preference, they will be able to preview all their reports at that setting, without having to reselect it each time they view any report. This customer-requested feature will reduce mouse clicks, and provide an efficient and convenient report viewing ability to each user.

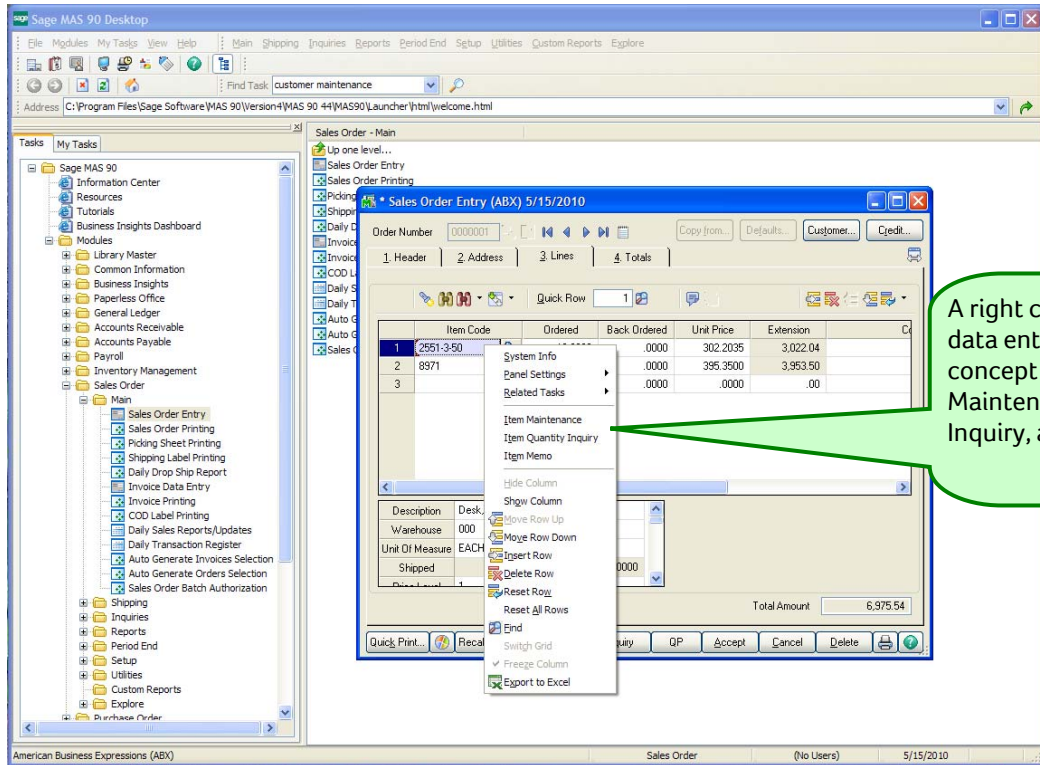


ALIAS ITEM INQUIRY

Alias Item Inquiry will be more available in the 4.4 system. Previously only available in Sales Order and Purchase Order entry, Alias Item Inquiry will now also be available in Inventory Inquiry and Maintenance.

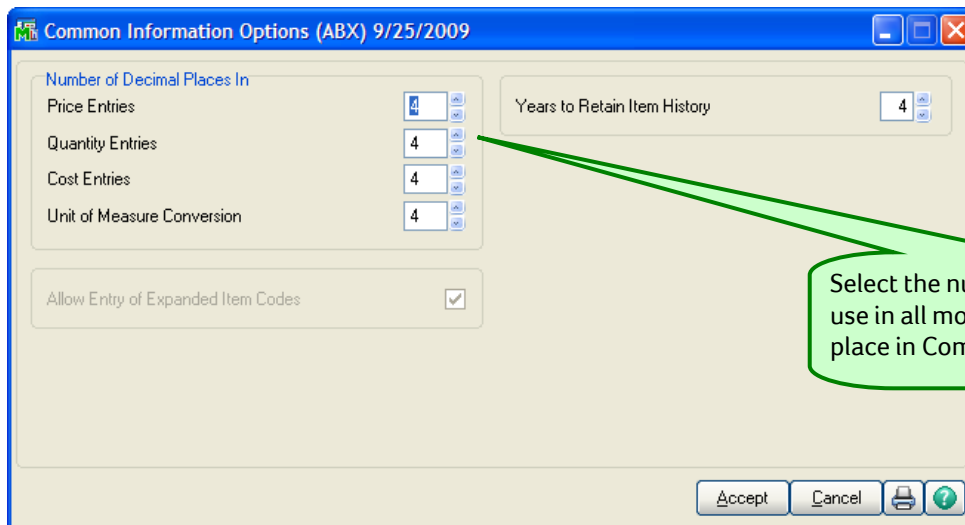
CONCEPT MENU RIGHT CLICK AVAILABILITY

Concept menus will be accessible via a right click from within data entry grids in Sales Order, Purchase Order and Bill of Materials. Sage MAS 90 and 200 security will be enforced on selection in the maintenance and memo areas so only users with security rights to those options will be able to quickly move to related tasks via the right click option.



COMMON INFORMATION UPDATE

4.4 will allow settings to be conveniently made from Common Information such as decimal precision, years to retain item history, and enable expanded item code. New wizards will walk the customer through available choices as they set up a module in a new company, allowing easy selection of choices such as the desired number of decimal precision for items. Information that is used across the system and shared by several modules will be moved to Common Information including Purge Item History, and Miscellaneous Charge Maintenance tasks. In addition, miscellaneous item detail history will now be stored and a new miscellaneous item detail transaction report will be accessible from within Common Information.



INVENTORY MANAGEMENT

Increased usability features in Inventory Management will include enhancements to the Standard Cost Adjustments and Physical Count processes, as well as increased Decimal Precision. To streamline the data entry process, dual grids that will be easily personalized will be added to physical count entry and inventory transaction entry.

PHYSICAL COUNT

When a business that carries inventory needs to get an accurate determination of their inventory at a specific point in time, they will perform a physical count. Going through a physical count is a comprehensive process and involves individuals literally going through the warehouse and counting the items, making note of the number of items counted and reconciling their tally with the item count in their Sage MAS 90 or 200 system. To assist in streamlining the workflow of the physical count process, new in 4.4 will be the ability to print the Quantity On Hand on the physical count worksheet which shows the system's information, so warehouse managers will be aware of the expected count, can supervise employees as they go through the warehouse counting items, and be assured of accuracy.

To facilitate fast entry, the Items to be counted will be displayed on the physical count entry screen in the same sort order as what's printed on the physical count worksheet. This will save valuable employee time and help ensure a more accurate count.

In addition, when entering the physical counts, the expected quantity can be set as the default, which will only require changes to be made to those items where the count is different, minimizing keystrokes during data entry. Accurate physical counts prevent over-ordering, help identify and prevent obsolete inventory, and guarantee that sales can deliver the goods that customers have ordered. Customer satisfaction will most likely increase because salespeople will be able to provide more accurate inventory information to prospects and customers.

Prints current quantity on Worksheet.

Pre-populates expected quantities in Physical Count Entry.

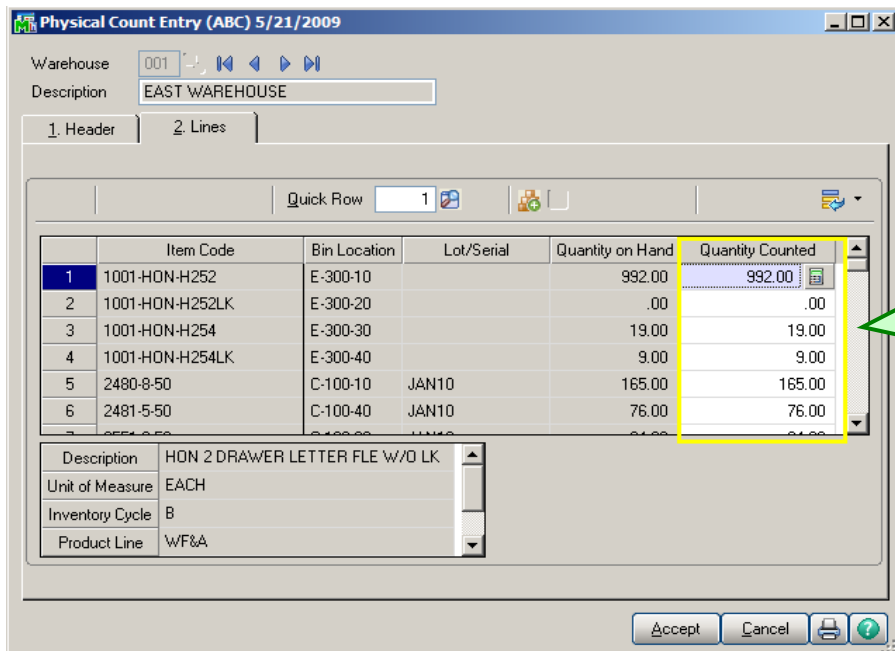
Physical Count Worksheet
Sorted by Item Code

ABC Distribution and Service Corp. (ABC)

Warehouse: 001 EAST WAREHOUSE

Item Code	Bin Location	Description	Product Line	Product Type	Inventory Cycle	Unit of Measure	Quantity On Hand	Quantity Counted	Initials
1001-HON-H252	E-300-10	HON 2 DRAWER LETTER FLE W/O LK WF&A		Finished Good	B	EACH	992.00		
1001-HON-H252LK	E-300-20	HON 2 DRAWER LETTER FLE W/LCK WF&A		Finished Good		EACH	0.00		
1001-HON-H254	E-300-30	HON 4 DRAWER LETTER FLE W/O LK WF&A		Finished Good		EACH	19.00		
1001-HON-H254LK	E-300-40	HON 4 DRAWER LETTER FLE W/LCK WF&A		Finished Good		EACH	9.00		

The Sage MAS 90 and 200 Quantity On-Hand information prints alongside the space allocated to record the actual amount that is counted.



For ease of entering when the count is complete, the worksheet will print in the same order that the information is shown in the customer's Sage MAS 90 or 200 system.

BATCH ENTRY FOR INVENTORY TRANSACTIONS

Allowing batch entry in 4.4 will increase productivity and employee accountability for anyone entering inventory transactions. Grids can be personalized by user according to their preference, and workflow efficiencies. Inquiries such as Item Quantity Inquiry and Item Status will be easily accessible directly from the transaction entry screens to efficiently navigate to essential information. Users can select specific lot or serial numbers or a range of lot or serial numbers to increase efficiencies and reduce keystrokes. With unique batch numbers, more than one user will be able to enter transactions at the same time, printing and updating independently, without affecting other batches. Transactions such as inventory adjustments will be able to be batched by date, so one user can be entering catch-up transactions for the previous accounting period while another is entering transactions for the current period.

Using Batch Entry for Inventory Transactions, multiple users will be able to enter transactions at the same time, printing and updating independently without affecting other batches.

INCREASE IN DECIMAL PRECISIONS

The number of decimal places in the quantity field in Inventory Management (IM) will be increased to four in 4.4, which is now consistent with the four decimal places in Bill of Materials and Work Order. This will not decrease the number of available fields to the left of the decimal point. In previous releases, IM allowed three decimal places to the right. Quantity decimal precision will be defined in Common Information Setup Options. Consistency throughout the system will help reduce any rounding discrepancies when raw materials are converted to inventory items. Cost of goods sold, inventory counts, and profitability reports will provide management with more granular financial information.

Quantity decimal precision, up to 4 places, will be defined in Common Information Setup Options.

Example: Companies who use weights or fractions for raw materials in BOM will be able to calculate yields more accurately throughout their manufacturing process.

STANDARD COST ADJUSTMENTS

Companies using the Standard Cost method typically do so because they have inventory costs that frequently fluctuate and they want to limit the changes made to their standard costs to a specific time, perhaps only once or twice a year. When making those changes, the new Standard Cost Adjustment feature in 4.4 will simplify the process by automatically calculating and posting, instead of requiring the user to do the calculations and enter the General Ledger adjustments. The new Standard Cost Adjustment in 4.4 will preserve the accuracy of the Inventory value on hand, and provide a simplified audit trail. Authorized users will be able to specify the cost change method, the standard cost items to be affected by the cost change and then choose to either automatically calculate the new standard cost, or manually enter the new costs. Standard Cost Adjustment entries will tie into the quantities by automatically generating the proper entries in GL.

This new cost adjustment will replace the ability to adjust Standard Cost from IM Maintenance; only items with zero quantity will be able to be adjusted from IM Maintenance. The System Activity Log will indicate the start, finish and number of items that were updated and will be an audit record of who did what when.

Standard Cost Adjustment Selection

Cost Change Method: Percentage
 Cost Change Rate: 1.000 %

For items using a valuation method other than Standard Cost, you must use Automatic Cost/Price Change to change the cost.

Select Field	Operand	Value
Item Code		
Product Line		
Price Code		
Primary Vendor Number		

Buttons: Clear, Proceed, Cancel, Print, Help

STANDARD COST VALUATION AT \$0

Customers will be able to carry inventory and relieve inventory items with a standard cost of zero dollars. As the entry is made, the purchase cost will be offset by a General Ledger entry. The IM Account in General Ledger will remain untouched while the Standard Cost is zero. The costing hierarchy will not be used for Standard Cost valued items, but it remains in effect for all other valuation methods.

ADDITIONAL REPORT PRINTING OPTIONS

In 4.4, customers will be able to choose from Landscape or Portrait orientation in the following Inventory Management reports —Inventory Detail Transaction Report, Sales Analysis Report, Sales Promotion Report, and the Inventory Valuation Report.

PURCHASE ORDER ENHANCEMENTS

Purchase Order in 4.4 will be enhanced to allow separate batch options for each data entry, which will increase productivity and employee accountability for anyone entering purchase order transactions. The addition of dual grids in entry screens will enable user personalization according to their preference and workflow. Users can select specific lot serial ranges to increase efficiencies and reduce keystrokes. And, using unique batch numbers, more than one user will be able to enter transactions at the same time, printing and updating independently, without affecting other batches.

AUTO GENERATE ORDERS SELECTION

Additional selection criteria will be added in 4.4 to make it easier to identify Sales Orders that the Purchasing Agent wants to use to create corresponding purchase orders using automatic purchase order generation – including Sales Order Date, Customer Number and Salesperson. New options will be added in 4.4 – Select Expired Orders and Only Select Jobs with Status of Open. These new options will ensure that critical drop ship sales order information will be accurately communicated to the vendor. For example, if a customer requests that all items will be shipped at one time in order to save shipping costs, the Order Entry Clerk will be able to add a Sales Order Main Comment noting “Ship Order Complete”. That comment will then flow directly through to the Purchase Order Main Comment without re-keying. Drop ship Items on a single Sales Order will be able to be summarized by Primary Vendor into a single PO or individual POs for each line item.

Companies that process a large quantity of drop ship sales orders will be able to improve and optimize their workflow with these new selection criteria. Many wholesale companies don't hold inventory, but rather buy goods from other companies who ship directly to their customers on their behalf. Some brick and mortar stores as well as many ecommerce sites use this business model.

BACK ORDER FILL REPORT

The Back Order Fill Report will include additional options in 4.4 including the ability to sort by Sales Order, Customer Number, and Bill to Name. Print options will include the choice to Print Only Items Received with a Backordered Quantity on a Sales Order, or the ability to include all Sales Order lines, including all the Sales Order demand for the items received.

BATCH ENTRY FOR PURCHASE ORDER RECEIPTS, RETURNS AND ISSUES

Allowing batch entry in 4.4 will increase productivity and employee accountability for anyone entering purchase orders, similar to inventory transactions. With unique batch numbers, more than one user will be able to enter transactions at the same time, printing and updating independently, without affecting other batches.

Using Batch Entry multiple users will be able to enter receipts, returns or material requisition issues simultaneously.

PURCHASE ORDER VARIANCE REGISTER AND UPDATE

In 4.4, Purchase Order Variance calculations will be made and the variance register will be available for print before it is updated. Previously, it printed after the user said "yes" to update. In 4.4, the Purchase Order Variance Register will print along with the standard Register and will display a warning message for the user to check the variances, which will allow the user to view the registers, make changes to the receipt transactions if needed, then reprint the registers. This will help prevent accidental variances caused by typos during receipt entry.

RECEIPT LABELS PRINT BEFORE RECEIPT OF GOODS UPDATE

In Sage MAS 90 and 200 4.4, warehouse personnel will be able to print the Receipt Labels from either Inventory Maintenance or Purchase Order, prior to updating the Receipt of Goods Register. In previous releases, if the warehouse staff checked to "Print Receipt Labels" in Inventory Setup Options the

labels would print after the update. This allows the warehouse staff to say “no” to the Update and “reprint” the labels in the event of a printer paper jam or other printing problems.

STREAMLINE MATERIAL REQUISITION PROCESS

In 4.4, Purchase Order material requisition process will be improved to provide a visual cue when lot or serial numbers are waiting to be distributed. This, combined with the new dual grid entry screen will streamline the entire workflow.

	Item Code	Requested	Prev Issued	Issued	Unit Cost	Extension
1	BOARD-004230-33	1.00	.00	1.00	1,254.650	1,254.65
2	BOARD-04230-33	1.00	.00	1.00	1,254.650	1,254.65
3	BTTRT	1.00	.00	1.00	13.100	13.10
4	CBASE-01000	.00	.00	1.00	125.350	125.35
5		.00	.00	.00	.000	.00

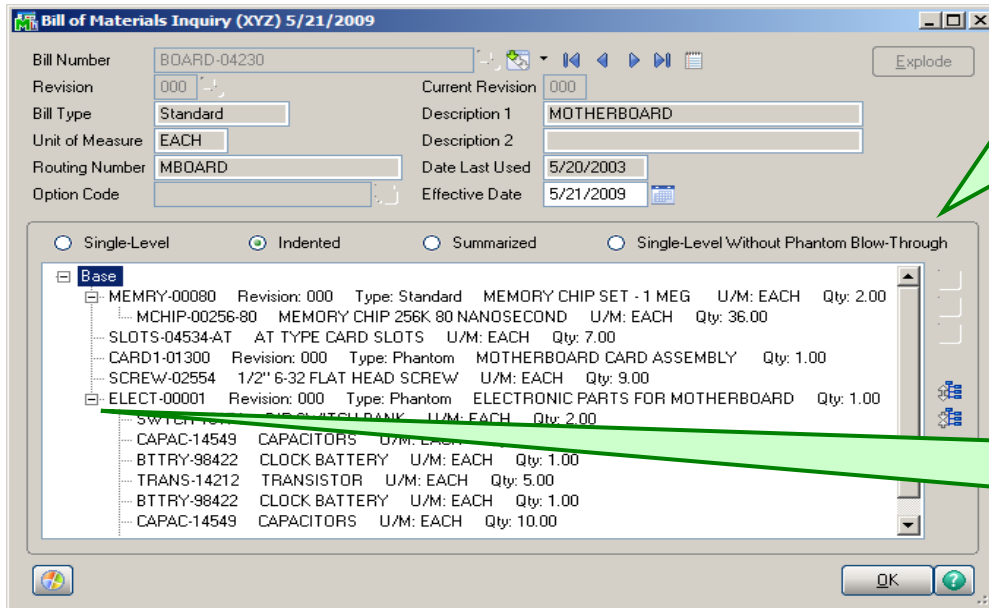
In 4.4 when issuing items that have been requisitioned, a warning symbol will display on the material requisition form so customers can easily recognize lot and serial items that have distributions waiting so they will be able to make the appropriate distributions.

BILL OF MATERIALS ENHANCEMENTS

Bill of Materials Inquiry and Where Used Inquiry programs will be enhanced in 4.4 to provide a more comprehensive view of information using fewer keystrokes. Users will be able to see Single Level, Indented, or Summarized views in a list format, with the ability to resize and sort. When using the Indented option, the bill expands into a tree view, so at a glance the user can see the relationship of the component parts. The materials manger will be able to see all components used in the current revision or for all revisions by drilling directly into Bill of Materials Maintenance for either the parent bill or the components. From within the current inquiry screen, the customer will be able to see everything related to the bill — its subassemblies or its components — without having to use more than one window, saving time and streamlining the workflow.

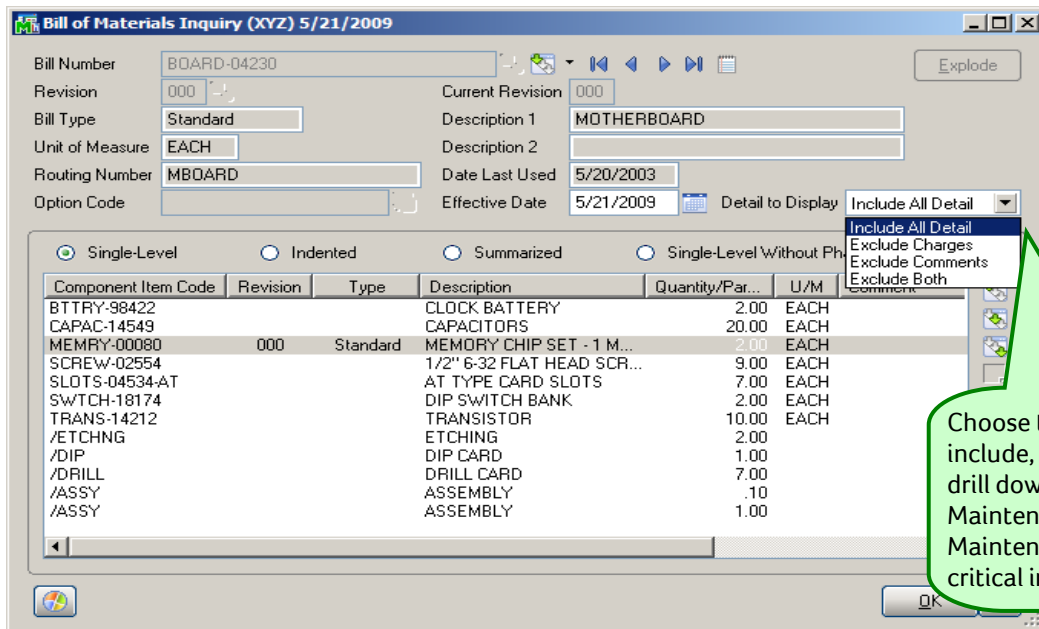
BILL OF MATERIALS INQUIRY AND WHERE USED INQUIRY

Where Used Inquiry will be updated in 4.4 to provide additional viewing options of single level, indented, or summarized bills. With the Indented view, the data will expand into a tree view that is easier to read and identify desired information. From any of the views, users will be able to resize and sort columns, and drill directly into Item or Bill of Material Maintenance for either the entire bill or any of the components.



Bill of Materials Inquiry will provide BOMs in Single-Level, Indented, Summarized or Single-Level Without Phantom Blow-Through views.

Expand or collapse capabilities to view the entire bill, or to focus on the desired level of detail.



Choose the level of detail you want to include, resize and sort columns, and drill down directly into Item Maintenance or Bill of Materials Maintenance for instant access to critical information.

PICKING SHEET PRINTING

Bill of Materials Picking Sheet Printing will be enhanced in 4.4, to include the ability to print comments and include miscellaneous charges.

The screenshot shows a software window titled "B/M Picking Sheet Printing (XYZ) 8/7/2009". The window contains a form with the following fields and values:

- Form Code: STANDARD
- Description: Marbled
- Number of Copies: 1
- Collated:
- Multi-Part Form Enabled:
- Print Comments: Partial
- Include Miscellaneous Charges:

Below the form is a table with the following columns: Bill Number, Revision, Bill Options, Quantity, and Effective Char. The table has one row with the following values:

Bill Number	Revision	Bill Options	Quantity	Effective Char
1			.0000	

Picking Sheet Printing will provide the ability to choose to print full or partial comments and miscellaneous charges on the picking sheet.

NEW BUSINESS INSIGHTS EXPLORER VIEWS

Business Insights Explorer (BIE) – our easy-to-use inquiry and analysis tool, will continue to be automatically included for no additional cost in a Sage MAS 90 and 200 4.4 system. New views will be added and existing views will be updated in 4.4 to provide additional up-to-the-minute reports and business information which can be used and shared with others inside or outside the company. The drag and drop, sort, filter, calculate, color highlight, and save personalized views functionality will be available for the additional views related to Inventory, Purchase Order, and Bill of Materials. Quick-click charts (introduced in 4.3) and related tasks will also be available for these new views.

The BIE views will allow IM, PO and BOM analysis to be done on the fly, for example, the customer will be able to easily personalize a view to see the options for a specific BOM, revision, when it was done, what components are used, and the quantity on hand. Also, the PO view will be updated to include drop ship PO information.

Shown below are the BIE Views that will be available in 4.4 including the new BIE Views. Some screenshot examples of the new views follow:

- Account View
- Account Transactions View
- Account Budgets View
- Customer View
- Salesperson View
- Customer History Invoices View
- Customer Open Invoices View
- Customer Repetitive Invoices View
- Customer Payments View
- Vendor View
- Vendor History Invoices View
- Vendor Open Invoices View
- Vendor Repetitive Invoices View
- Vendor Payments View
- Item View
- Item Transactions View
- Item Quantities by Warehouse View **New*

- Sales Order View
- History Orders View
- Shipping History Invoices View
- Purchase Order View
- Vendor History Receipts View
- Vendor History Purchases View **New*
- Open PO by Vendor Name View **New*
- Open RMAs View
- RMA History Receipts View
- Bill of Materials **New*
- Component Where Used **New*

ITEM QUANTITIES BY WAREHOUSE VIEW

The screenshot displays the 'Item Quantities by Warehouse' view in Sage MAS 90. The interface includes a navigation pane on the left with 'Item' selected. The main area shows a data grid with the following columns: Item Code, Item Code Description, Whse, Whse Description, Qty On Hand, and Qty. The data is filtered by 'Whse Description : Broadway (40 Items)'. A callout box highlights the 'Whse' column, indicating that this view provides up-to-the-minute information for items in each warehouse.

Item Code	Item Code Description	Whse	Whse Description	Qty On Hand	Qty
Whse Description : Broadway (40 Items)					
2480-8-50	Desk, Teak	002	Broadway	0	0
2481-5-50	Desk, Maple	002	Broadway	0	0
2551-3-50	Desk, Oak	002	Broadway	0	0
2568-3-25	Desk, Plywood	002	Broadway	0	0
4886-18-14-3	Mirror, 18 X 14	002	Broadway	0	0
6650-26-16-11	White Erase Board, 12 X 18	002	Broadway	0	0
6652-28-24-15	White Erase Board 28 X 14	002	Broadway	0	0
6655	Plant Stand with Basket	002	Broadway	0	0
6657-24-20-12	Plant Stand, 3 tier	002	Broadway	0	0
8953	Office Chair	002	Broadway	0	0

VENDOR HISTORY PURCHASES VIEW

Vendor History Invoices and Vendor History Receipts

Vendor History Purchases

Div	Vendor	Vendor Purchase Name	Item Code	Item Code Description	Product Line	Whse	Posting Date	Receipt Date	Order Date
01	STEEL	Steelcase	2480-8-50	Desk, Teak	DSK	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	2481-5-50	Desk, Maple	DSK	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	2551-3-50	Desk, Oak	DSK	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	8953	Office Chair	CHR	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	8971	Office Chair, Moveable Armr	CHR	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	8972	Office Chair, Fixed Armrest	CHR	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	9264-1247-3547	Bookcase, 7 shelf	ACC	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	9264-1247-3547	Bookcase, 5 shelf	ACC	000	05/13/2010	05/13/2010	05/01/2010
01	STEEL	Steelcase	D1000-FC	Filing Cabinet	DSK	000	05/28/2010	05/28/2010	05/25/2010
01	STEEL	Steelcase	D1800	Cubicle Desk Ensemble	DSK	000	05/28/2010	05/28/2010	05/25/2010
01	STEEL	Steelcase	D2000	Desk 84" X 48"	DSK	000	05/28/2010	05/28/2010	05/25/2010

Vendor History Invoices

Invoice	Module	Type	Div	Vendor	Vendor Name	Inv Date	Due Date	Terms	Discount Date	Hold	Purchase Name	Ship To N
SC02189647	P/O	Invoice	01	STEEL	Steelcase	05/10/2010	06/10/2010	No Terms		No	Steelcase	American
ST1893257	P/O	Invoice	01	STEEL	Steelcase	05/28/2010	06/07/2010	NET 10		No	Steelcase	American

Bill of Materials View

Select Component Lines, Bill Option Categories or Bill Options

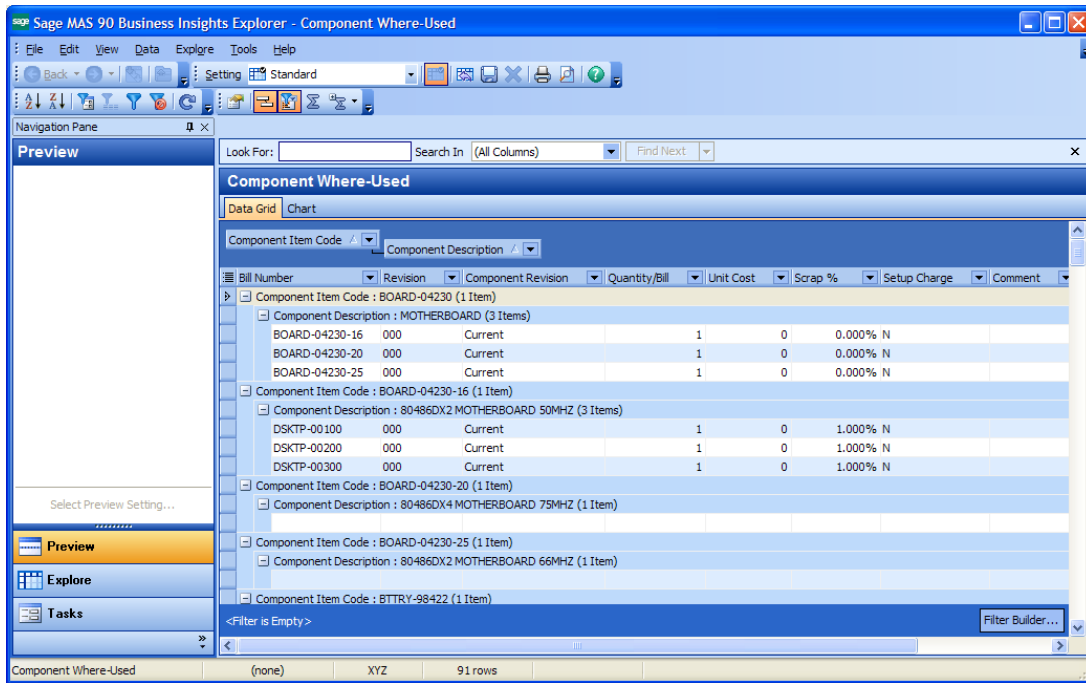
Bill of Materials

Bill Number	Description 1	Description 2	Type	Revision	Current Bill Revision	Date Last Used	Route
Type: Kit (1 Item)							
PRINT-10020	PRINTER KIT	24-PIN DOT MATRIX 190 (Kit	000	000		05/31/2003	
Type: Phantom (5 Items)							
CABIN-01000-AK	CABINET ASSEMBLY KIT		Phantom	000	000	11/13/2002	CABIN
CARD-1-01300	MOTHERBOARD CARD ASS		Phantom	000	000	11/16/2002	
ELECT-00001	ELECTRONIC PARTS FOR MOTHERBOARD		Phantom	000	000		
POWER-01000	POWER SUPPLY ASSEMBLY MODEL 1000		Phantom	000	000	11/13/2002	
POWER-01000-AK	POWER SUPPLY ASSEMBLY MODEL 1000		Phantom	000	000	11/13/2002	
Type: Standard (18 Items)							
BOARD-004230-33	80-486DX4 MOTHERBOARD		Standard	000	000	05/29/2003	MBOA
BOARD-04230	MOTHERBOARD		Standard	000	000	05/20/2003	MBOA

Component Lines

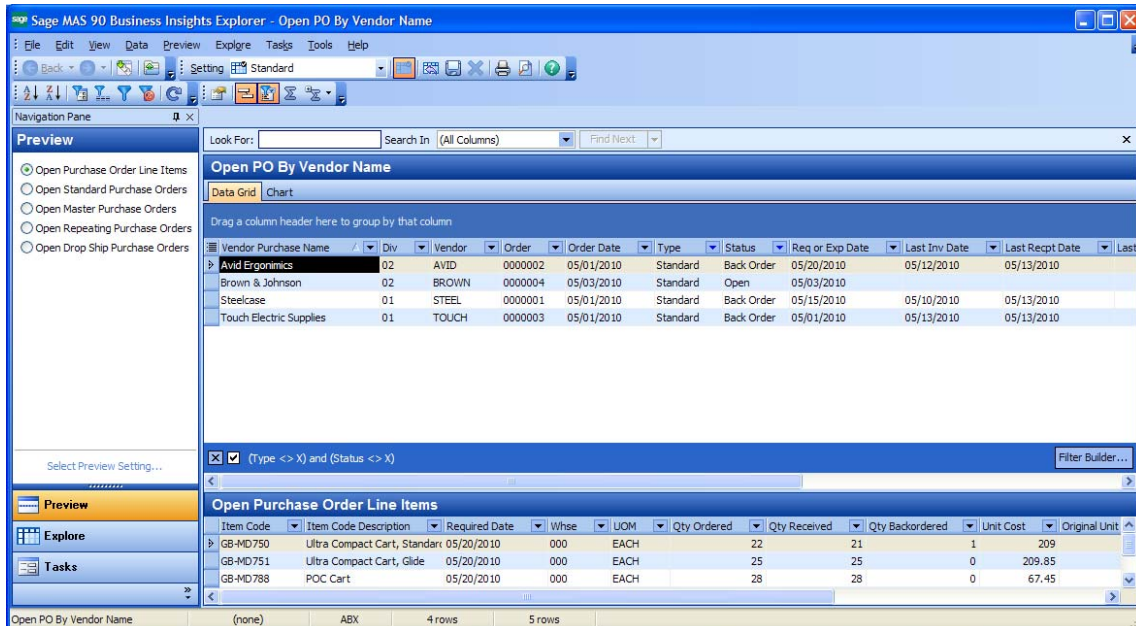
Component Item Code	Component Revision	Component Description	Component UOM	Misc UOM	Quantity/Bill	Unit Cost
<No data to display>						

COMPONENT WHERE-USED VIEW



OPEN PO BY VENDOR NAME

The predefined views include Open Purchase Order by Line Items, Open Standard Purchase Orders, Open Master Purchase Orders, Open Repeating Purchase Orders, and Open Drop Ship Purchase Orders.



BAR CODE ENHANCEMENTS

In 4.4, Bar Code will be enhanced to streamline a customer's warehouse processes by allowing warehouse staff to collect data more rapidly and accurately. The Business Framework changes made to Bar Code will allow processing of external data from ASCII files and will allow third parties to create secure and scalable solutions. Bar Code will be able to process much larger amounts of data at much greater speed and reliability. Also in 4.4, Bar Code will be able to scan both Sales Orders and Sales Order Invoices and will support a variety of workflows for many types of businesses.

SUPPORTS UDF IMPORTS

When customers add important User Defined Field (UDF) information to their items, sales orders, purchase orders or bills, the UDFs will also be able to be added to bar code documents and the UDF values will print in bar code format and can be scanned like any other Sage MAS field. So, for example, if they add expiration date information to their serial or lot numbers, that information will print and correctly scan during receipt of goods and sales order shipments. The Bar Code module processes 15 types of MAS transactions for Sales Order, Inventory Management, Bill of Materials and more.

RADIO FREQUENCY OR CRADLE-STYLE HANDHELD COMPATIBLE

For customers with established cradle-style handhelds, version 4.4 will be supported with their existing scanning hardware. Radio-frequency handhelds will be supported for new customers or existing customers who want to move to this type of equipment in 4.4.

REJECTION MAINTENANCE

To simplify the resolution of import errors, a new Bar Code Rejection Maintenance task will be added for conditions such as Invalid Item Codes or Insufficient Quantity Available in a lot/serial tracked item. The reason for the Rejection will be clearly stated and workflow will be streamlined. For example, if a warehouse worker scans a new product's vendor barcode to receive it, but that code has not yet been entered into the Inventory master list, it will be rejected. When viewing the rejection information, the reason will be clearly stated. The warehouse manager will be able to leave the transaction open in Rejection Maintenance while the item is properly entered through Item Maintenance, and then efficiently return to Rejection Maintenance to accept the transaction because the condition for the rejection no longer exists.

HANDHELD USER PROFILES

Handheld user profiles will be managed within Bar Code in 4.4 so that a number of handheld users will be able to be established using one Sage MAS 90 or 200 user license. Using business rules, each user will be assigned a handheld user ID, password and specific permissions. For example, the warehouse manager will have access to all transactions, while another designated user will be restricted to access only shipping transactions.

CUSTOM REPORTING

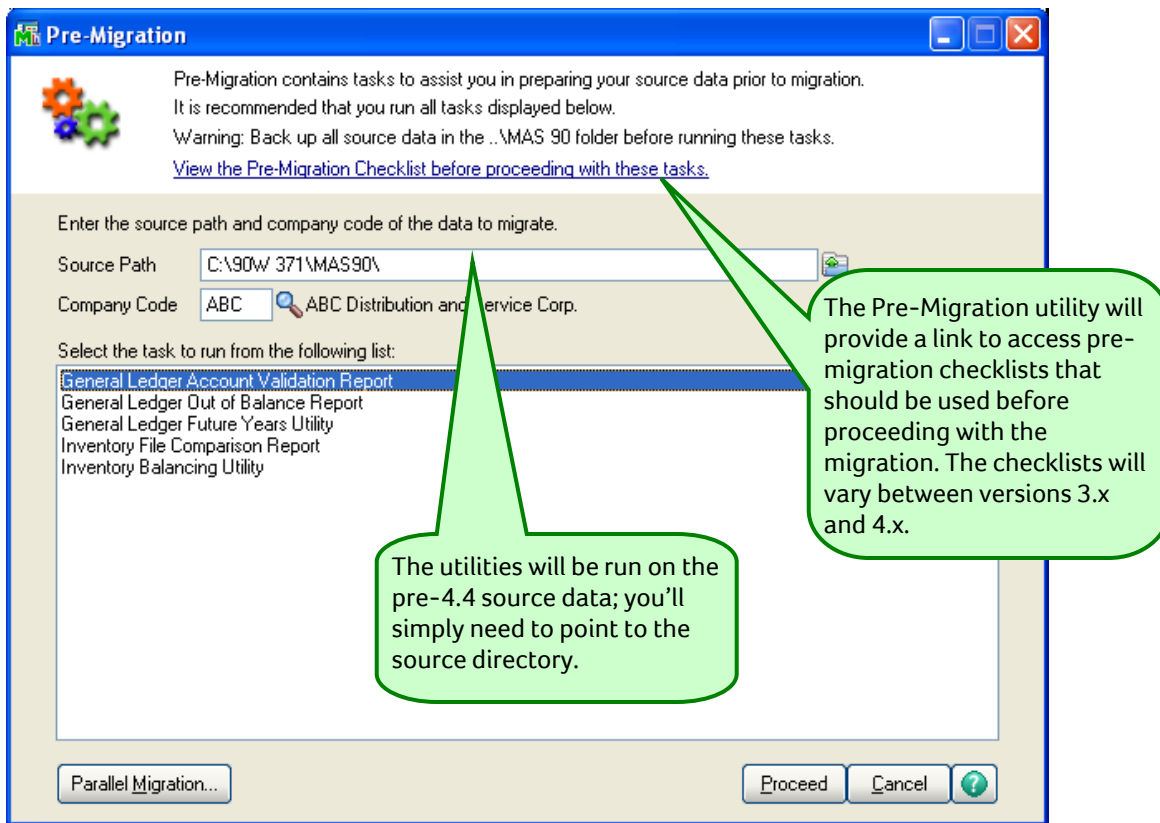
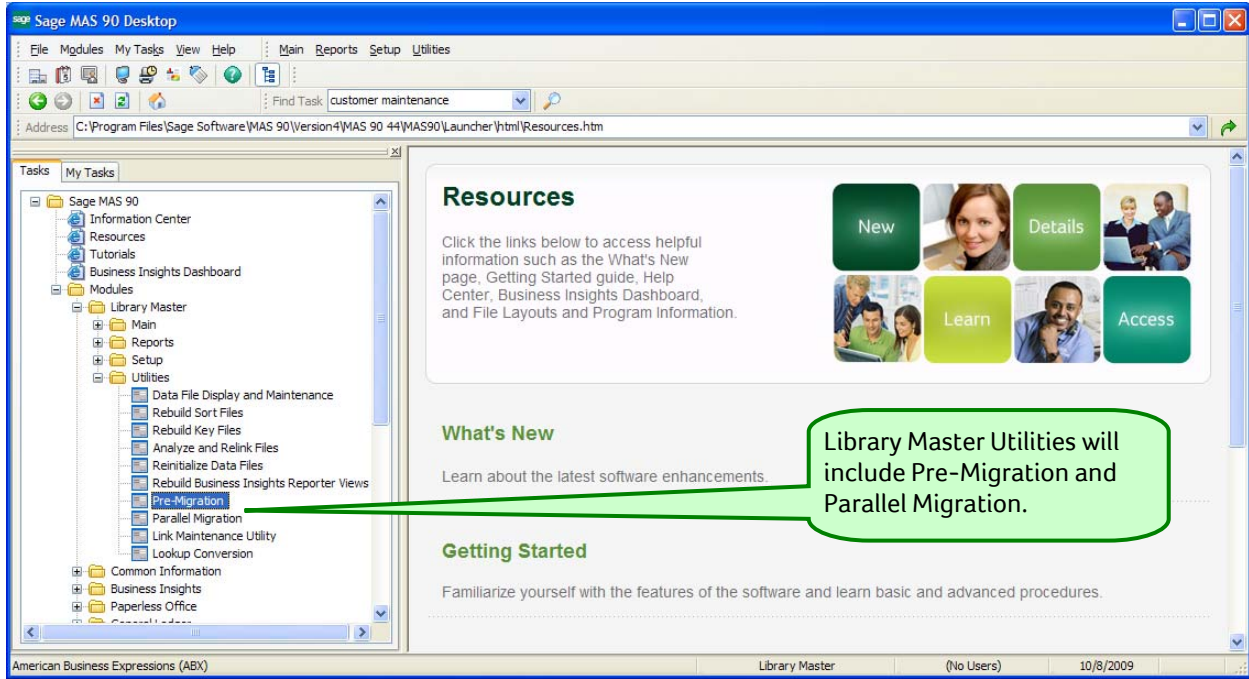
All data that is imported using Bar Code will be stored in the MAS history tables and will be available for custom reporting. Using the Custom Reporting Tool, warehouse managers will be able to see which handheld users ship the highest volume of sales orders, or the status of a physical count.

Bar Code Module 4.4 Imports

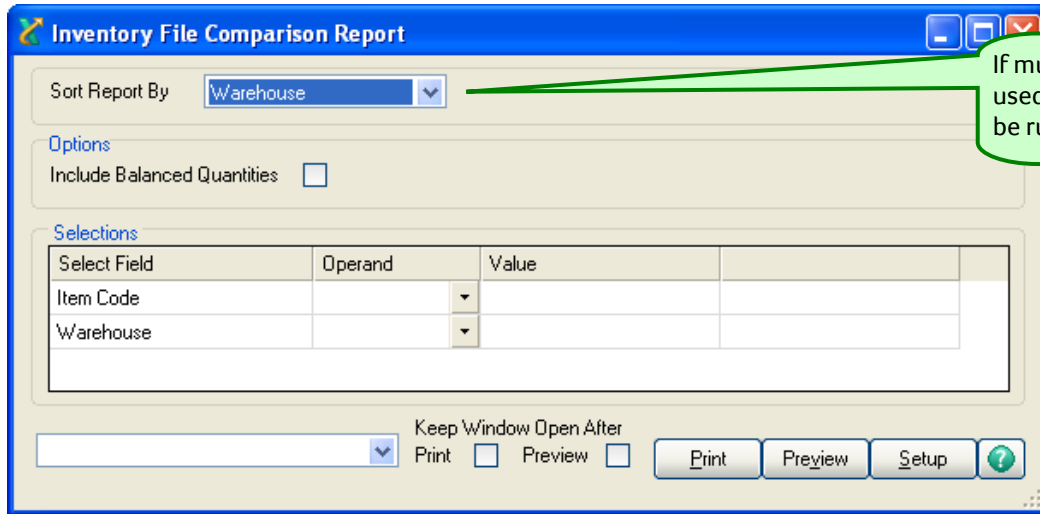
Module	Transaction	Available Import Fields
Inventory Module	Inventory Transfers	Warehouse Code, ToWarehouse Code, Item, Quantity
	Inventory Issues	Warehouse Code, Item Code, Quantity, Job Number, Cost Code, GL Cost Account Code
	Inventory Sales	Warehouse Code, Item Code, quantity, Job Number, Cost Code, GL Cost Account Code
	Alias Item Entry	AR Division Number, Customer Number, AP Division Number, Vendor Number, Item Code, Alias Item Code, Alias Item Description
Purchase Order	Receipt of goods	Warehouse Code, Purchase Order Number (header), Item Code, Quantity, Unit Cost, Batch Number (if batching is turned on), Invoice Date, AP Invoice Number
Physical Count	Physical Count Entry	Warehouse Code, Item Code, Quantity
Sales Order	Invoice Data Entry	Sales Order Number, AR Division Number*, Customer Number*, Warehouse Code, SO Invoice Number*, Invoice Date, Batch Number (if batching is turned on), Ship Via, Unit Price, Quantity
	Shipping Data Entry	Sales Order Number, Shipper ID, Box Number, Warehouse Code, SO Invoice Number*, Batch Number (if batching is turned on), Ship Via, Item Code, Unit Price, Transaction Quantity
	Sales Order Entry	Customer Number or Sales Order Number, Warehouse Code, Ship Via, AR Division Number, Unit Price, Item Code, Quantity
	Cash Receipts Entry	AR Division Number, Customer Number, Sales Order Invoice Number, Check Number, Batch Number (if batching is turned on)
Bill of Materials	Production Entry	Bill Number, Revision Code, Bill Options, Production Quantity (of parent), Warehouse Code, Bill Lot or Starting Serial, Batch Number (if batching is turned on), Item Code, Quantity
	Disassembly Entry	Bill Number, Revision Code, Bill Options, Production Quantity (of parent), Warehouse Code, Item Code, Quantity

PARALLEL MIGRATION

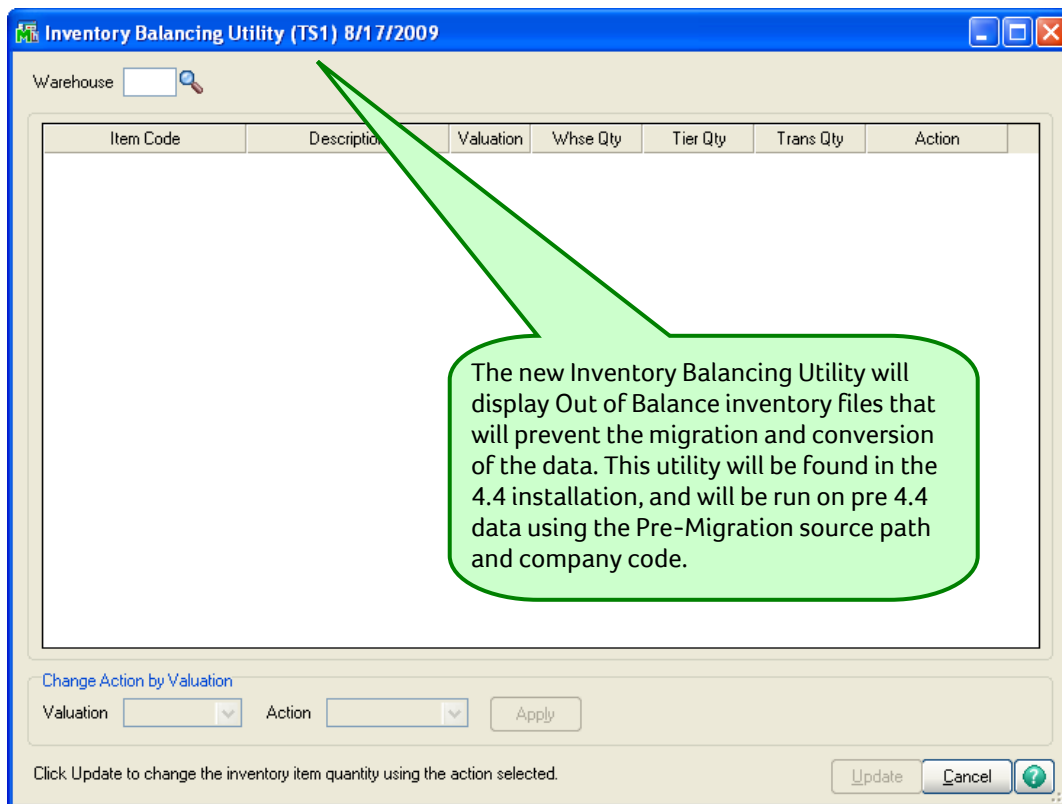
Parallel Migration will provide the ability to migrate from previous versions of Sage MAS 90 or 200 (version 3.71, 4.0, 4.05, 4.10, 4.2 or 4.3) to version 4.4 with more freedom and control over the upgrade process, and remove some of the time constraints previously experienced. Customers will be able to continue normal business operations on their current software installation, and work with their Business Partner (BP) to begin their upgrade by installing their new software in a separate (parallel) location on the same server or on a different server. On this second location, the new system can be prepared and tested until it is ready to be adopted by the customer's business. When ready, they will re-migrate and convert the current operational data to the new system.



Utilities and checklists will be provided to assist in the migration, which will vary according to the version the customer is migrating from, either 4.x or 3.x. These utilities may indicate an “out of balance” condition which must be resolved before proceeding. Business Partners will notice that existing migration reports and utilities for General Ledger have been added here to consolidate migration activities in one place and streamline the upgrade process.



If multiple warehouses are used, the utility will need to be run for each warehouse.



The new Inventory Balancing Utility will display Out of Balance inventory files that will prevent the migration and conversion of the data. This utility will be found in the 4.4 installation, and will be run on pre 4.4 data using the Pre-Migration source path and company code.

Our customers will be able to reduce the overall cost of their upgrades by minimizing the impact on their business and the amount of time that their system is down. Parallel migration is also expected to reduce their total upgrade fees incurred, because the entire upgrade will not necessarily need to occur outside of normal business hours, and 4.4 will provide built-in pre-migration utilities to prepare and clean up data prior to an upgrade and migration. The system will scan the data for a variety of information, and if certain conditions are found, will stop the migration and require the data to be repaired before the migration proceeds.

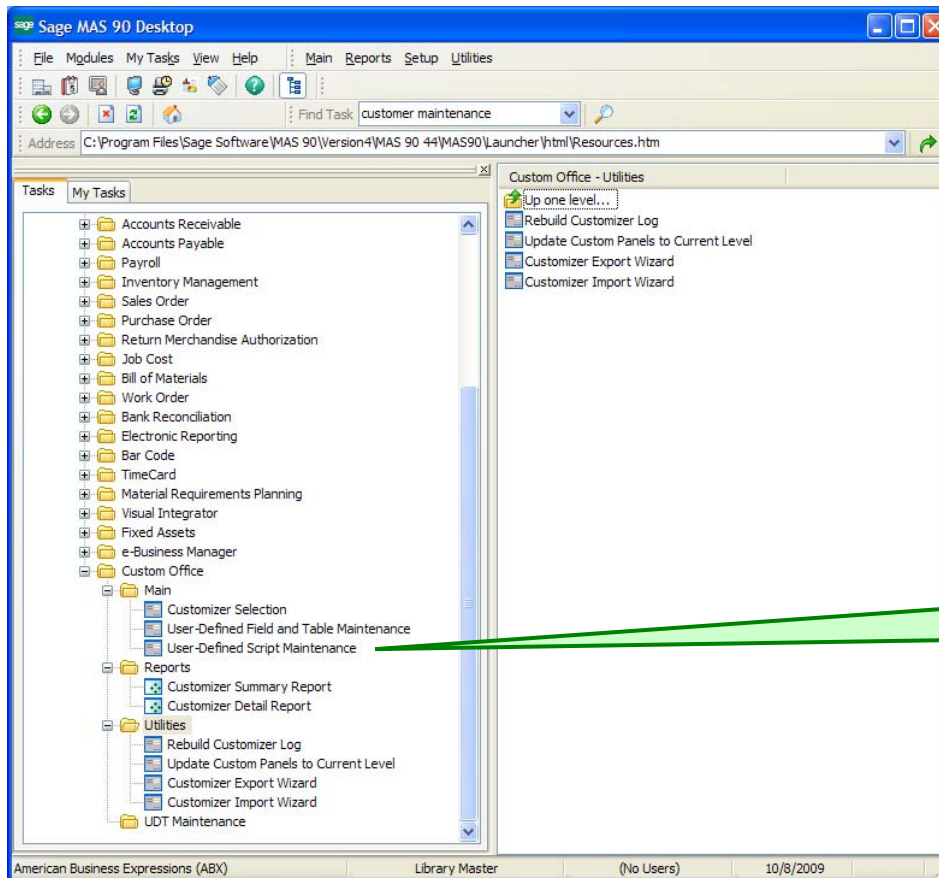
CUSTOM OFFICE (CUSTOMIZER) ENHANCEMENTS

The enhancements to Customizer in 4.4 will allow the alteration of Sage MAS 90 behavior without touching source code. Implementers will be able to write VB scripts and do some of the simple modifications that you previously needed custom programmers to do — leaving the programmers available to do the really big projects. This means that customers will be able to reduce their cost of ownership because these customizations will survive upgrades.

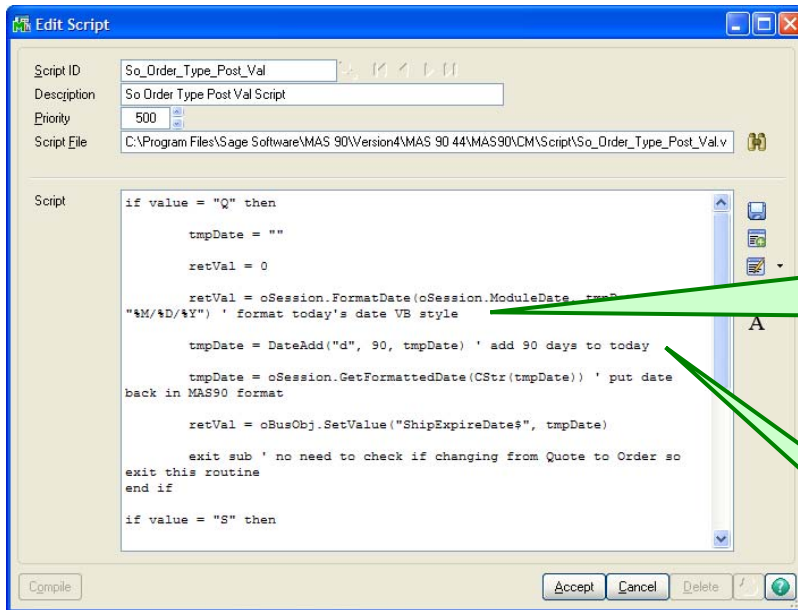
Custom Office provides the ability for administrators and users to modify their system screens with user defined fields (UDFs) and tables (UDTs) to add new functionality. In 4.4, enhancements will also allow the ability to program events to run without user interaction (clicking a button), which can be done inexpensively without requiring the use of a programmer. Example: Previously the customer may have needed to press a button to make the UDF field add up all the amounts, now it will be able to do it automatically, without the need to press an extra button. Some customers will still want the option to click a button, and with 4.4, those customizations will remain active as well.

Inventory Management, Purchase Order, Bill of Materials and Bar Code in 4.4 will allow UDFs to easily flow from one entity to another, and UDFs can be added to lot and serial numbers. For example, those in the food & beverage and other industries will be able to add expiration dates or other attributes to lot and serial items, and these dates will flow through the system. Customizer will also automatically total detailed numeric UDFs to a new header UDF, or perform cumulative calculations on multiple records.

Custom Office modifications survive upgrades, so the customizations will not have to be reapplied to, or recreated in a new release. BPs will be able to create the modifications at their office, export them and email them to the customer to import, which will streamline deployment and reduce costs.

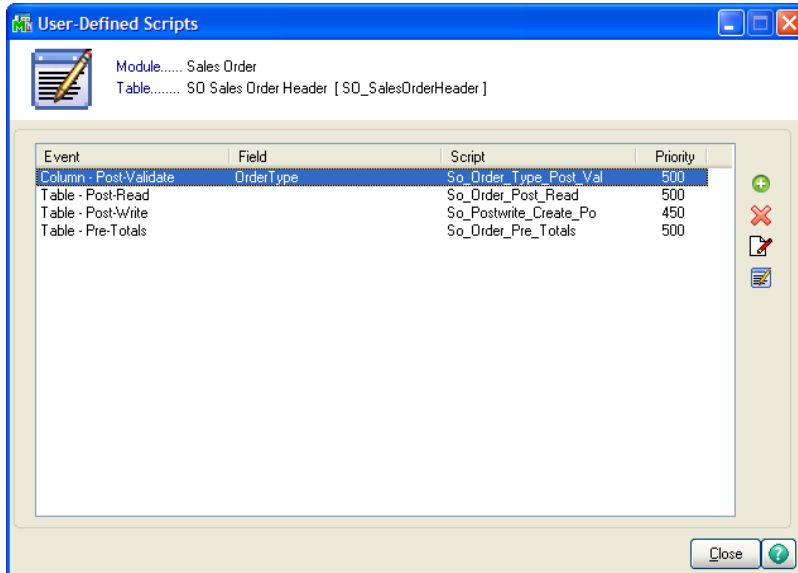


A new Custom Office option in 4.4 will be User-Defined Script Maintenance.



Using simple scripting, customizations such as changing behavior per the type of Sales Order that is entered will be able to survive upgrades.

This example will add 90 days to today's date when the "quote" is chosen on the Sales Order Entry Screen and use that value in the Quote Expiration Date field.



* Sales Order Entry (ABC) 5/15/2010

Order Number: 0000178

Order Date: 5/15/2010

Order Type: Standard Order

Ship Date: 5/15/2010

Order Type: Standard Order

Master/Repeating No.:

Customer No.:

Cust PD:

PO:

Ship To Addr:

Terms Code: 00 No Terms

Ship Via: FOB

Confirm To:

E-mail:

Fax No. Batch Fax:

Comment:

Salesperson:

Split Comm. No Split Comm.:

Print Order

Print Pick Sheets

Exp Date:

Quick Print... Recalc Price Inquiry QP Accept Cancel Delete

This scripting allows a Standard Order entered today to use today's date as the default ship date.

* Sales Order Entry (ABC) 5/15/2010

Order Number: 0000178

Order Date: 5/15/2010

Order Type: Quote

Expire Date: 11/15/2010

Order Type: Quote

Master/Repeating No.:

Customer No.:

Cust PD:

PO:

Ship To Addr:

Terms Code: 00 No Terms

Ship Via: FOB

Confirm To:

E-mail:

Fax No. Batch Fax:

Comment:

Salesperson:

Split Comm. No Split Comm.:

Print Order

Print Pick Sheets

Exp Date:

Quick Print... Recalc Price Inquiry QP Accept Cancel Delete

And, when using Quote as the order type, the "Expire Date" automatically changes to a default of 6 months from today. This type of simple scripting can be easily modified to use the desired timeframe - day (as in the previous example) or in months, as in this example.

VISUAL INTEGRATOR ENHANCEMENTS

New Visual Integrator enhancements for the Sage MAS 90 and 200 4.4 release will include import and export job maintenance updates.

IMPORT JOB MAINTENANCE UPDATES

The SO_SalesOrderHeader and PO_PurchaseOrderHeader business object will be available in Import Job Maintenance to allow an existing line item in the Sales Order Detail or Purchase Order Detail file to be modified. The selection "Change Next On" will be removed from Import Job Maintenance. Importing lot and serial distribution records will be included in the related Header import. Read-only fields will be displayed in red in Import Job Maintenance. A new field "Skip Source Data Truncation" has been added in Import Job Maintenance to allow importing items that have an extended description. Record types are now included in the Job Import Log.

EXPORT JOB MAINTENANCE UPDATES

A new job perform will be created for exporting data to remove trailing separators.

eBUSINESS WEB SERVICES

New web services features and functionality will be incorporated into the Sage MAS 90 and 200 4.4 release. A new module, eBusiness Web Services, will allow a greater programming interface for integration with third party applications. eBusiness Web Services will provide the interface to allow interoperability without the need to build direct hooks into Sage MAS 90 and 200 4.4 using web APIs that facilitate interoperability between disparate systems over the network, including the Internet. A typical communication will be an XML message using SOAP standards. The eBusiness Web Services in this initial release will include Create, Read, Update and Delete operations for Customers, Contacts, and Sales Orders.

UPDATED DEMO DATA – AMERICAN BUSINESS EXPRESSIONS

Additional data will be provided in American Business Expressions (ABX) in order to more effectively demo the new features and functionality of the 4.4 release. You will find new demo data to be demonstrated and used as examples in ABX which includes data for GL, AR, AP, IM, SO, PO, and BR. Please use June 30, 2010 as the accounting date in order for meaningful data to display. When using ABX, you will see that the new 4.4 Expanded Customer Numbers, and Expanded Item Numbers are used, and batch entry will be activated for all modules that utilize batches. Please note that Sage MAS 90 and 200 demo data is for demonstration purposes only.

USABILITY AND WORKFLOW ADVANTAGES OF SAGE MAS 90 AND 200 BUSINESS FRAMEWORK

New in Inventory Management, Purchase Order, Bill of Materials, and Bar Code, the following functionality will flow throughout the main sections of the Sage MAS 90 and 200 system. These customer-requested options came as a direct result of usability studies and enhancement requests. These features are available in the following modules as of the releases as noted:

Accounts Payable (4.2)	eBusiness Manager (4.1)
Accounts Receivable (4.1)	General Ledger (4.0)
Bank Reconciliation (4.1)	Inventory Management (4.4)
Bar Code (4.4)	Library Master (4.0)
Bill of Materials (4.4)	Paperless Office (4.3)
Business Insights Dashboard (4.1)	Purchase Order (4.4)
Business Insights Explorer (4.2)	Return Merchandise Authorization (4.1)
Business Insights Reporter (4.1)	Sales Order (4.1)

DUAL GRID ENTRY

Productivity is enhanced using dual grid entry by personalizing the data entry screens to match the customer's workflow and business needs. Our Dual Grid design allows each user to personalize the data entry screens to work the way they want to work – rearrange, hide, and more, without engaging a programmer. It's as easy as drag-and-drop to move the grid line or column position, so their data entry order can match their workflow. And, when a column of data is rarely used, that category can be grouped into a secondary grid, and positioned either below or beside the primary grid. If a line entry mistake is made when the customers are entering data, the line entry can be cancelled and reentered.

PERSONALIZATION

Tailor screens to individual users to accommodate special needs and speed data entry. In addition to the drag and drop capabilities of Dual Grid entry, the Business Framework enables flexible personalization such as resizing and simplification of screens, save settings and establish default printers per user, streamline workflows by removing unneeded tabs and fields, establish user-specific desktop dashboards that allow executives to monitor the pulse of their business, and much more. Each user will also be able to set the default font size for previewing documents.

HYPERLINKS

Hyperlinks allow easy access to related tasks with a single click. Easily jump to maintenance from a data entry screen – such as within Sales Order, click on Customer Number, Terms Code, salesperson maintenance, and more. Using a hyperlink reduces access time, cuts down on errors, and minimizes the number of keystrokes required for users to gain access to a related piece of information or task.

RIGHT-CLICK MENU

Locate and launch related tasks faster and more efficiently. The Right-Click menu provides contextual accessibility for the logical business workflow, or most common action(s), that users would make from

the screen they're currently using. Right clicks reduce the amount of time spent locating the same functionality from the top-line drop-down menus. For example, from Item Maintenance the user can quickly access related tasks such as Warehouse Maintenance, Transaction Entry and Inventory Sales History Report.

CUSTOM OFFICE

Custom Office provides the ability for administrators and users to modify their system screens inexpensively without the need for a programmer. Administrators and users can modify their system screens by adding user defined fields (UDFs) and tables (UDTs), add new functionality, and remove unneeded fields and program events to run without user interaction. Custom Office modifications survive upgrades, so the customizations do not have to be reapplied to the new release, reducing total cost of ownership (TCO). Powerful capabilities for specific vertical applications can also be added at low cost. For example, automatically total detailed numeric UDFs to a new header UDF, perform cumulative calculations on multiple records, and automatically bring lot and serial number information through to data entry.

BUSINESS INTELLIGENCE – DATA ACCESS - SCHEMA

As important as efficiently getting data into the system, once it's there, it's even more important to easily gain access to the data and turn it into actionable knowledge. The Business Framework allows more flexible and sophisticated user access, such as the powerful Business Insights Explorer (BIE), Dashboard (BID) and Reporter (BIR). BIE provides customers data-centric views into their business for ad-hoc inquiry, drill-down, and drill-around capabilities using an intuitive interface with drag and drop, sort, filter, calculations, color highlighting and the ability to save personalized private or group views. BIE views can be quickly converted to a chart on-the-fly to display their information the way they want to see it, and share it. Views and charts can be emailed, exported to Excel, Word, Access, XML, a web page, or a Microsoft query. In addition, because UDFs are linked throughout the system, that data is available in BIE, BIR and Crystal reports.

MEMO MANAGER

Memos can follow the workflow throughout the system – an electronic version of a Post-it note – to inform users of any important information about the order, customer or vendor. Settings allow users to determine if, where, and how the memos automatically open. Documents can be attached to a record (such as a customer's purchase order), and also be attached to memos, such as vendor purchase information, to make sure they're visible.

USER AND DATE TIMESTAMPS

Most actions are recorded and identified by the user who performed them, and date and time stamped as to when they occurred. This provides users, the administrator, and company management with valuable traceability information.

REPORTS AND FORMS

Popular benefits of the business framework include flexible options for reports and forms, which enable user personalization, more efficient workflow, reduced keystrokes, and simplified report selection. In addition to BIE ad-hoc reporting, the customers' traditional report data can be narrowed to a specific range, and specific data. All reports can be customized using Crystal Reports, and Custom Office with Crystal Reports. Output choices include viewing on screen, printing to default or network printers, Excel or PDF, using paperless office to send via email, and the report data can be exported into Word or Excel. Users can make selections based on straightforward terms such as: yesterday,

today, tomorrow, last week, last month, 30 days or older, etc. Workflow is streamlined because users can return to the report selection screen after previewing and printing reports to adjust selection criteria, vary date range, and more. Users can create and save report settings.

SETUP WIZARDS

Intuitive Windows-standard wizards assist users in setting up and activating new modules or functionality in their system. When customers purchase a new module, such as Inventory Management, the wizard will walk them through the available options. When customers use BIR, the wizard tool walks them through the report selection and filter process so they get the reports with the data presented the way they want to see it. BIR users are not required to understand detailed data file structures, rather, the customer is provided a simple list of business information, such as Year-to-Date Sales or Cost of Goods Sold, and makes their selection based on meaningful terms to get the data they want to include in their report.

FISCAL YEAR AND PERIOD

The Business Framework allows each company to operate without the requirement to close each accounting period or year in General Ledger or other modules. Customers can obtain a snapshot of their company's financial position at any time by running reports for current, past, or future periods.

FLEXIBLE SECURITY

Powerful security settings can be set according to each role in the company. This flexible security enables the customer to determine what type of activities, down to the task level, are allowed to be performed. For example, they may want to create a role for an accounting clerk who allows them to view Sales Order information, but not to be able to create or modify a Sales Order. And, along the same lines, they may want the Sales Order Entry person to be able to view, create and modify Sales Orders, but not to modify the default Credit Terms.

BATCH MANAGER

Increase processing efficiencies using Batch Manager to create, verify and merge batches. Effectively manage batches by numbering, modifying or grouping using the Batch Entry feature. With unique batch numbers, more than one user can enter data in the same task, print and update independently, without affecting other batches.

OBJECT INTERFACE - API

Automatically provided as part of their system, the Business Object Interface (BOI) enables integrations with other business applications through an interface layer. BOI enables tight integration capabilities, enforcing all business rules. This API can be used with Customizer to automate tasks such as to create a single-click reversing journal entry using a VB script. BOI also empowers third-party developers to efficiently write add-on specialized programs for their Sage MAS 90 and 200 system.

DEVELOPER UTILITY ENHANCEMENTS

Many development partners work with customers to expand the available functionality in Sage MAS 90 and 200 to better meet their specialized needs. The 4.4 enhancements in this section will be provided to developers so they will be able to work more efficiently and therefore be able to bring their solutions to market faster.

NEW INSTALLATION MERGE FILE EXPORT UTILITY

A new utility, Installation Merge File Export wizard will be added to the Development Studio Utilities Menu, which will replace two existing utilities, Create Installation Merge Files and Enhancement Export, combining their functionality into one. Also, the Merge File Export will be provided in a wizard format to give Developers the flexibility to export whole files or to select specific records. The export and merge logic will be expanded to allow ProvideX Views and NOMADS Libraries in 4.4.

NEW VIEW MASTER MAINTENANCE UTILITY

In 4.4, the View Master Maintenance utility will be added to the Development Studio Main Menu. This utility will be used to maintain views, and define which views and options are available in Business Insights Dashboard Maintenance. These records control how the views and view links are generated and displayed.

NEW LIBRARY SCAN UTILITY

A new search tool, Library Scan Utility will be added to the Development Studio Utilities Menu, which will allow developers to search NOMADS Libraries for specific information. Particularly useful when making mass changes to NOMADS Libraries, it will find all the places the previous value was used so it can be easily replaced.

CONTEXT TABLE MAINTENANCE ENHANCEMENTS

Context Maintenance will be enhanced to be able to scan the business objects for a table and find out its data sources. This new utility will then use this information to pre-populate the available contexts and column mappings, similar to Customizer when defining a UDF to be sourced from the available data sources.

CLASS MAINTENANCE ENHANCEMENTS

Enhanced Class Maintenance has been added as an option in Class Maintenance. This allows developers to generate Class Enhancement code based on the standard class specified. All available methods and properties are listed for selection or over-ride. Overridden methods are generated as stub methods, with the argument list, and the correct call-back to "_BASE".

LIBRARY MERGE CHANGES

A new class will be created to merge the Library merge files created by the new Installation Merge File Export Wizard. The SY_MergeLib.pvc class will be run during the standard MAS install from the Install method, and can be run manually, either from within or outside of Sage MAS 90 and 200.

While embedded IO programs will still be used to keep track of opens and locks on master files (E.g. AR_CustomerEIO, SO_InvoiceHeaderEIO), the use of embedded IO to redirect file I/O from legacy files to framework tables will be removed in the 4.4 release.

INTEGRATED SAGE SOLUTIONS

Sage will continue to provide 360° solutions for Sage MAS 90 and 200 customers, including:

ABRA HRMS

4.4 will remain compliant with the most recent release of Abra HR, with no new integration points.

CREDIT CARD PROCESSING POWERED BY SAGE PAYMENT SOLUTIONS

Credit Card Processing powered by Sage Payment Solutions will continue to be compatible with Sage MAS 90 and 200 4.4 to provide a complete credit card processing solution for customers' growing businesses. Data from mail order, telephone order and internet businesses can be entered through the Sales Order and Accounts Receivable modules and e-Business Manager. This module will be distributed on the Sage MAS 90 and 200 product CDs; no special program download will be required.

This Credit Card Processing module gives Sage MAS 90 and 200 customers the benefits of a comprehensive business management solution coupled with credit card processing, all from Sage. And, because processing with Sage Payment Solutions enables us to offer very competitive processing fees, it translates into savings for customers and a lower total cost of ownership. Transactional information will be captured and securely stored for historical and reconciliation purposes, and can be accessed and viewed online 24/7.

SAGE MAS FIXED ASSETS

Sage MAS 90 and 200 4.4 release will use Sage MAS Fixed Assets 2010.1. More details will be provided in a future version of this Pre-Release Guide.

SAGE SALESLOGIX

Sage MAS 90 and 200 4.4 release will use DynaLink 7.1 for the integration to Sage SalesLogix versions 7.51 (current version) and 7.52.

SAGE TIMESHEET – SAGE MAS 90 EDITION

For professional service organization that need to track and bill projects based on a fixed time or material basis, Sage TimeSheet – Sage MAS 90 Edition v9.8 will provide an integrated 4.4 solution. Streamline processes, automate task management, and increase the accuracy of project forecasting. This sophisticated timesheet and time tracking data collection software will provide the ability to electronically assign jobs to employees and collect data on actual time spent and costs incurred on each task. Sage TimeSheet includes a seamless integration to Sage MAS Job Cost, Payroll, TimeCard, Accounts Payable, and Accounts Receivable.

Using an intuitive spreadsheet-style interface, this comprehensive solution for internal or remote workgroups of any size supports a diversity of business process and approval levels, project structure and workflow. Automate time and expense tracking, billing and expense reimbursement, and create powerful web-based, summary, detail, or custom reports. Transfer actuals and prorate values, do remote Time and Expense entry and project management, transfer expense items to Accounts Receivable for billing and restrict the job selection lists according to the selected employee.

THIRD PARTY CONSIDERATIONS

BUSINESS ALERTS

Business Alerts 5.1 will be compatible with 4.4, to utilize email for notification to individuals or a group of individuals whenever something significant happens in your Sage MAS 90 and 200 ERP system. Business Alerts can be used to automatically communicate shipment information to customers, keep staff informed of specific events, and track important business functions.

CREDIT CARD PROCESSING POWERED BY PCCHARGE

Credit Card Processing module powered by PCCharge Payment Server will be version 5.8.2 with Sage MAS 90 and 200 4.4, and will continue to be an open architecture system designed to integrate credit card transaction processing into an existing Sage MAS 90 or 200 system. In addition, for convenient cost-saving one stop support and processing, Sage Payment Solutions provides a merchant account for this credit card module. Simply set-up the merchant account and inform the existing processor to use Sage Payment Solutions for processing. No need to change banks or bank accounts.

CRYSTAL REPORTS XI

Crystal Reports provides access to your data and allows you to format it, and deliver it as information inside and outside your organization. Crystal Reports XI will be used with 4.4.

FRX FINANCIAL REPORTER

FRx is a financial reporting application that gives growing businesses control of their entire financial reporting process across one or more legal entities. FRx version 6.7 service pack 10 will be supported with the 4.4 release.

STARSHIP FREIGHT

StarShip Freight is used to integrate efficient packing and an automated process for the fulfillment of larger shipments. For less-than-truckload (LTL) and truckload (TL) shipments, it will provide item level detail, print the Bill of Lading (BOL), and recommend an auto-pack based on your previous shipments with carriers such as Roadway and Yellow Freight.

Reduce shipping costs by shopping for the best rates using Freightquote.com carriers, negotiated rates, or a mixture of both. Quickly view the transit time and freight charges before selection and get tracking information on shipment location and status.

The StarShip Freight Shipping Assistant will simplify pick-and-pack functionality and improve efficiency. As shipments are processed, the Shipping Assistant remembers packaging scenarios, and provides them as auto-packing options in the future. A sophisticated two-tiered approach to packaging captures the item detail for each box, plus the box details for each pallet. Sage MAS 90 and 200 4.4 will use StarShip Freight version 10.0.3.

STARSHIP PARCEL

StarShip Parcel will continue to tightly integrate with Sage MAS 90 and 200 4.4 and will make the entire shipment management process more fluid. Plus, when combined with the pick, pack, and ship feature built into the Sales Order module, StarShip Parcel helps companies become more competitive and offers features that can potentially reduce shipping and shipping-related expenses. The latest StarShip Parcel, v9.9.72 will include updated rates.

SALES TAX FOR SAGE, POWERED BY AVATAX

Sales Tax for Sage, Powered by AvaTax makes paying sales tax simple for any business. This hosted, Web-based solution automatically performs address validation, sales tax jurisdiction research, and rate calculation—all on the fly within your accounting application, with no change to your existing workflow.

RETIREMENTS AND SUSPENSIONS

With the 4.4 release, several retirements are planned. ACT! Link will be suspended in 4.4 in favor of the more robust SageCRM functionality in Extended Enterprise Suite. The add-on SageCRM module to Sage MAS 90 and 200 will be suspended in 4.4, in favor of the Extended Enterprise Suite solution. Some Extended Solutions will be expected to be rendered obsolete by the new features and functionality of the product. Additional Extended Solutions will be provided to Sage Development Partners to bring up to 4.4 compatibility. The Data Migrator tool will be retired with the release of 4.4 in favor of the QuickBooks Free Migration program. The Timberline Office Estimating integration will be retired with the release of 4.4.

ACT! LINK

The integration from ACT! to Sage MAS 90 and 200 will be suspended with our 4.4 release. Sage will be focusing future development efforts on SageCRM for integrated CRM functionality.

DATA MIGRATOR

The Data Migrator tool previously provided to certified Business Partners to migrate and convert data from other accounting software packages such as Peachtree, QuickBooks, Dac Easy and BusinessWorks will be retired with the release of 4.4. We are currently running a promotion for Free Migration from QuickBooks. This program is under evaluation for potential extension to provide additional software migrations. The Visual Integrator module can also be used for data migrations.

EXTENDED SOLUTIONS

The Extended Solutions shown below will be rendered obsolete by the new features and functionality of the 4.4 release, and therefore retired.

AR-1129	Sales Tax Automation System
BM-1078	Six Decimal Precision In Bill Of Materials
CM-1020	Enhanced Lot/Serial UDFs for Custom Office
IM-1007	Unit of Measure Conversion Factors with 6 Decimals
IM-1008	Inventory Reports To Not Choose Zeros
IM-1077	User Defined Inventory Masterfile Fields
IM-1088	User Defined Fields For Warehouses
IM-1099	User Defined Fields In Product Line Maintenance
IM-1115	Six Decimal Precision For Inventory
IM-1161	Item Cost Change Utility
IM-1205	Batch Processing for I/M Transaction Entry
IM-1214	Item Memo Pop Up in Sales Order and Purchase Order
IM-1236	Enhanced Alias Item Search and Entry
PO-1036	User Defined Fields for P/O Header
PO-1050	User Defined Line Fields For Purchase Order
PO-1085	Six Decimal Precision For Purchase Order
SO-1010	S/O Data Entry Tracking By User ID
SO-1017	S/O Line Print Suppression by UDF

Many other Extended Solutions will be retired and provided to our Development Partners so that they will be able to bring them to 4.4 compatibility for Sage MAS 90 and 200 customers. While all Development Partners will have access to the source code, we have published a list of Extended Solutions Preferred Development Partners on the PFC who have committed to focus on this specialized business and to provide a high level of customer support.

For a few select Extended Solutions titles, the main features and functionality will be incorporated into the core Sage MAS 90 and 200 over the next few releases and product updates, and will continue to be available for sale in their current 4.3-compatible form. For the most current information, please refer to SageMAS.com in the Extended Solutions section, the most recent Conversion List (posted on [Extended Solutions Conversion List](#)) and the Partner File Center where the latest version of the Extended Solutions FAQs and Preferred Extended Solutions Development Partners list are posted, or contact your Sales Advisor.

SAGECRM MODULE

The add-on SageCRM module to Sage MAS 90 and 200 will be suspended in 4.4, in favor of the Extended Enterprise Suite solution. A new version of Extended Enterprise Suite based on the 4.4 code, 1.4, will closely follow the 4.4 release.

SAGE TIMBERLINE OFFICE ESTIMATING STANDARD AND EXTENDED

The integration from Sage Timberline and Sage MAS 90 and 200 will be officially retired with the release of version 4.4.

TECHNOLOGY ENHANCEMENTS

SUPPORT FOR WINDOWS 7

Sage MAS 90 and 200 4.4 is expected to support Windows 7 at time of release.

NEW FILE SEGMENTATION FOR UNLIMITED DATA FILE STORAGE

New in 4.4, the system will automatically detect a large file size and create multiple segmented data files to address the current 2GB file size limitation. The segmented files will then provide the ability to store data that is only limited by the amount of space available on the system's hard drive.

NEW PROVIDEX INTERPRETER – VERSION 8.31

Sage MAS 90 and 200 4.4 will include a new Providex Interpreter, version 8.31, which includes the following:

- Improved PDF file output through integration of the open source project Libharu. *PDF* now supports the use of TrueType and Type 1 fonts and PDF font embedding.
- Extended GRID functionality, including the ability to sort grid columns based on date values.
- Auto-Complete has been expanded to work through WindX with server-side files.
- NOMADS Query enhancements, including variable line height and font size.
- Updated and expanded Demo Application included with the installation. The new application also provides a multi-platform graphical interface that supports MS Windows, WindX and the new UltraFX workbench.

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