



DSD Business Systems

Sage 100 Enhancements

S507

Surcharge Calculation for Invoice Entry

SO-1507

Version 7.40



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Surcharge Calculation for Invoice Entry User's Manual
Version 7.40

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Section A: Introduction

This manual contains a description and instructions for this DSD product. Operating instructions are included for the features added by this product to Sage 100. For instructions on using Sage 100, refer to the appropriate Sage 100 manual, or call your Sage 100 reseller. DSD Business Systems offers excellent Sage 100 support, at an hourly rate.

Web Resources

DSD web site: <http://www.dsdinc.com>

The Enhancement page contains:

- Current Release Schedule*
- Purchasing Information*
- Installation Instructions*
- Product Support*
- Enhancement Links*

S507 Surcharge Calculation for Invoice Entry:

<http://www.dsdinc.com/enh/pages/S507.htm>

The product web page contains:

- Product Description*
- Web Links*
- Current Product Version Table*
- Product Installation File Download*
- Product Manual in .pdf Format*
- Revision History*
- FAQ*

Support

DSD provides product support through Sage 100 resellers. Support is provided for the current version. Older versions are supported at an hourly rate. DSD's telephone number is **858-550-5900**. Fax: **858-550-4900**.

For a hard error, where the program displays an error dialog, report:

- Error number.*
- Program name.*
- Line number.*
- Program version.*

*Exact sequence that caused the error, including menus and menu selections.
Other pertinent information.*

If leaving a message or faxing, please include:

Your name.

Your phone number (and fax if applicable) and extension.

It is possible to be unable to duplicate a problem, because of data corruption or because we have not exactly duplicated a particular operating environment. In such circumstances, we can only continue to try to fix the problem if we can either access the system with Symantec PCAnywhere or by some other means access or duplicate the system.

Surcharge Calculation for Invoice Entry Features

This DSD Extended Solution to the Sales Order module will calculate an additional fee and add this to the Invoice Total. This Surcharge is calculated as a Customer specific percentage of the total of the line's extensions.

The Custom Office module is required for these features to function.

Section B: Getting Started



- If you reinstall or upgrade one of the Sage 100 modules listed in the following table, you must also reinstall this Enhancement.
- Enhancements from different Sage Developers are generally not designed to work together. If installed together, problems are likely to occur.
- Check with DSD before installing more than one Enhancement.

Required Levels

Sage 100 Module	Module Required	Required Level
S/O	Y	7.40

Installation

1. **Back-up:** Exit all Sage 100 sessions. Back-up existing Sage 100 data.
2. **Check Levels:** Sage 100 module levels **must match** those listed above.
3. **Run Enhancement Setup Program:** Save the executable installation program (sent to you or downloaded from our website) in a convenient location on the Sage 100 server. Launch the program from Windows Explorer or by selecting Start/Run, and then browse for the file in the location you saved it. Follow on-screen instructions.
4. **Send your Sage Serial Number to your DSD Representative:** Send your Sage Serial Number to your DSD representative in order for us to send you back the encrypted keys to unlock your system. This serial number can be found in Library Master\Setup\System Configuration, Tab 3. Registration as Serial Number.
5. **Re-Start Sage 100:** Sage 100 will be updated.
6. **Unlock the Enhancement:** DSD Enhancements must be unlocked to run. When any part of the Enhancement is run for the first time, the **DSD Enhancement License Agreement and Activation** window will appear. Follow the steps shown on that window. *You can click the Help button for more detailed instructions.*

Note: On the next page is a screenshot of the DSD Enhancement License Agreement and Activation window.

After accepting the License Agreement, you can then select the type of unlocking that you'd prefer. The choices are File, Web, Demo and Manual Entry.

File Unlock: After receiving your encrypted serial number key file from DSD, and placing that file in the MAS90/SOA directory, selecting this option will unlock all products keys contained in the file. This means you can unlock all enhancements at once using this option.

Web Unlock: If the system that is running the DSD Enhancement *has web access* and you *have sent DSD your Sage Serial number*, you can unlock the Enhancement without assistance using Web Unlock. When this option is selected, the program will attempt to download encrypted serial number key file from DSD and then proceed to unlock all enhancements contained in the file.

- The Sage 100 system that is being used must have web access for this option to be effective.
- You can send your Sage Serial Number to your DSD Enhancements sales representative.

Demo Unlock: If a Demo mode is available for the Enhancement you're running, you will be able to Demo unlock the product without assistance from DSD for demo purposes.

- Creating a Demo Unlock is a good way to temporarily unlock DSD Enhancements off-hours, if you do not have web or email access. Later, you can unlock the product fully, during business hours.

Manual Entry Unlock: If you want to unlock a single enhancement using a single encrypted key, you can select this option and enter the 64 character key you receive from DSD by copy and paste.

Note: You can also unlock a DSD Enhancement through the [DSD Enhancement Control Panel](#) found on the Library Master Utilities Menu. Then, select the Enhancement with your mouse from the list of Enhancements and click the **Unlock Product** button on the right side of the window.

- Convert Data:** After unlocking, the DSD Conversion Wizard will appear. Follow on-screen instructions to complete data conversion. You can exit the conversion program without converting data. The Enhancement will not proceed, however, until data is converted. If you enter an enhanced program and data has not been converted, the conversion program will run again.

DSD Enhancement Control Panel

Starting with version 3.61, all DSD Enhancement products include DSD's Enhancement Control Panel. The **DSD Enhancement Control Panel is accessed from the Library Master Utilities menu.**

The DSD Enhancement Control Panel is a simple to use yet powerful system to help maintain DSD Enhancements installed on a Sage 100 system. To use it, select an Enhancement product from the list on the window and then click the button, on the right side of the window, which corresponds with the desired task.

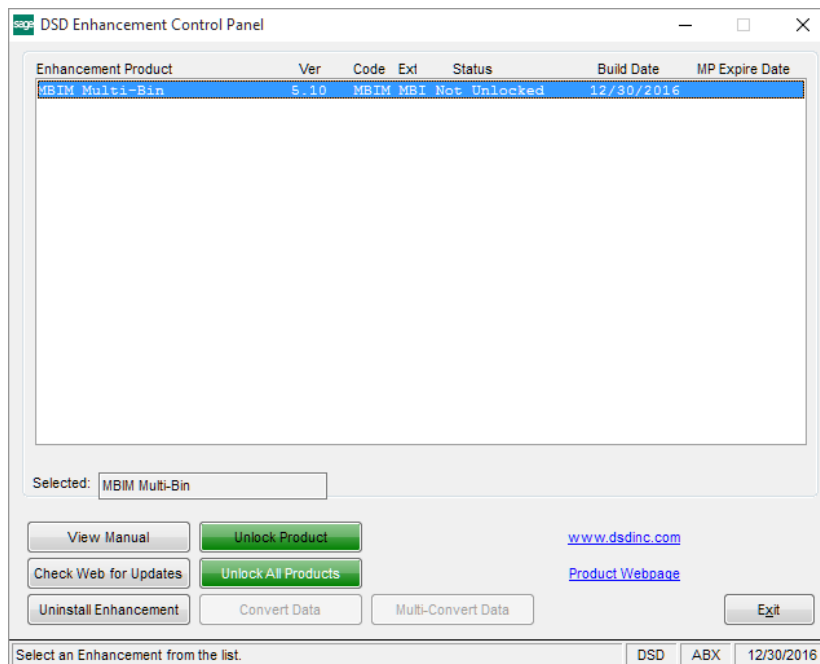
View Manual: This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual must be in the "MAS90/PDF" folder in the Sage 100 system. If the file is not present, and the system has web access, the correct PDF file will be automatically downloaded from the DSD website, put into the "MAS90/PDF" folder and then displayed.

Check the Web for Updates: This button will check the DSD website to see what the current build is the selected Enhancement and alert the user if a later version is available. *This requires an internet connection on the Sage 100 system.*

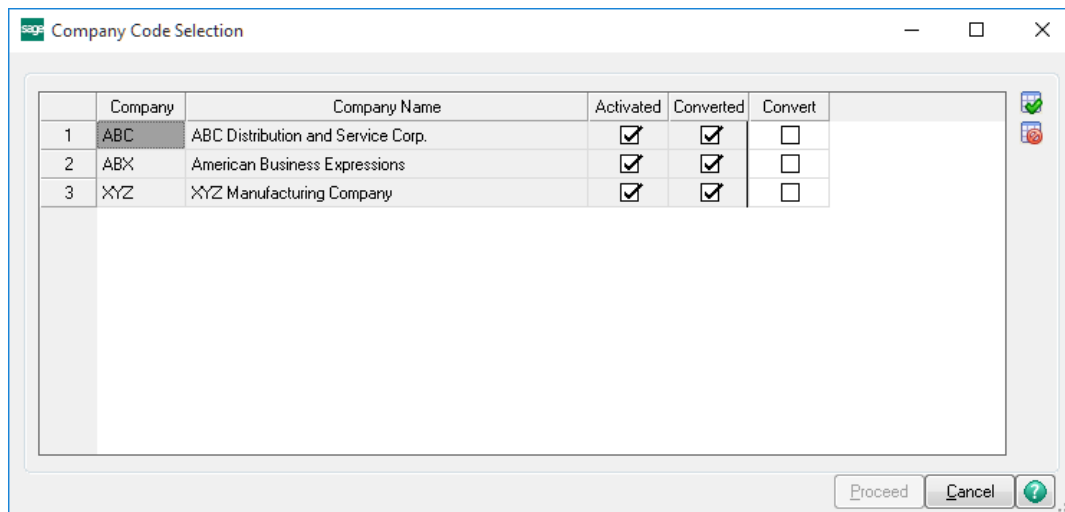
Unlock Product: This will cause the DSD Enhancement License Agreement and Activation window to appear. Using this window is described on the previous page. *This button is disabled if the selected Enhancement is already unlocked or if unlocking is not required.*

Unlock All Products: This will cause the DSD Enhancement All License Agreement and Activation window to appear. This window is similar to the one described on the previous page, but has only web and file as options to unlock. *This button is never disabled.*

Convert Data: After verification, the selected Enhancement's data conversion program will run. Data conversion is non-destructive, and may be triggered any number of times. Sometimes this is required to fix data records imported or updated from a non-enhancement installation.



Multi-Convert Data: Multiple Companies can be converted at the same time for a given Enhancement.
(If you have a large number of Companies to convert, please do in batches of 20 or fewer due to memory limitations.)



Help: The Help button, located at the bottom right of the window, opens an HTML help file.

Get Adobe Acrobat: Opens the Adobe Acrobat website to the page where Acrobat can be downloaded and installed.

Uninstall Enhancement If this option is available, then selecting this button will start the un-install process, removing the enhancement from the system. (for more information see [Uninstall DSD Enhancements](#))

Section C: Setup

Upon completion of software installation, you will need to access the DSD Extended Solutions Setup from the Sales Order Setup menu. Select this part number and the Setup screen for this Extended Solution will appear. Check the 'Enable DSD Extended Solution' box to activate this Extended Solution.

The screenshot shows the 'SO-1507 Setup Options' window with the title 'SO-1507 Surcharge Calculation'. At the top, there is a checkbox for 'Enable DSD Extended Solution' which is checked, and a text field for 'Level' containing '7.40'. Below this is a table of setup options:

Field Label	Value	Description
Customer UDF for 'Surcharge Flat Fee'	FLAT_FEE	Flat Fee
Customer UDF for 'Surcharge Rate'	RATE	Rate
Customer UDF for 'Surcharges LTD'	LTD_SURCHARGE	Life to Date Surcharge Amount
Order UDF for 'Surcharge Amount'	SURCHARGE_AMOUNT	Surcharge Amount
Invoice UDF for 'Surcharge Amount'	SURCHARGE_AMOUNT	Surcharge Amount
Invoice UDF for 'Skip Surcharge Calculation'	SKIP_SURCHARGE_CALC	Skip Surcharge Calculation
G/L Account for Surcharges	960-00-04	Miscellaneous

At the bottom right of the window are 'Accept' and 'Cancel' buttons. The bottom status bar shows 'DSD', 'ABC', and the date '10/31/2025'.

Answer the following prompts:

Customer UDF for 'Surcharge Flat Fee': Specify the numeric type Customer UDF which holds the Surcharge Flat Fee. This field is not required for this Extended Solution to function.

Customer UDF for 'Surcharge Rate': Specify the numeric type Customer UDF which holds the Surcharge Rate. Do not include '%' in the masking.

Customer UDF for 'Surcharge LTD': Specify the numeric type Customer UDF which will hold the accumulated Surcharge Life to Date amount.

Order UDF for 'Surcharge Amount': Specify the numeric type Sales Order Header UDF which will hold the calculated Surcharge Amount. This field is not required for this Extended Solution to function.

Invoice UDF for 'Surcharge Amount': Specify the numeric type S/O Invoice Header, AR Transaction Posting & AR Invoice History Header UDF which will hold the calculated Surcharge Amount.

Invoice UDF for 'Skip Surcharge Calculation': Specify the checkbox type S/O Invoice Header UDF which will hold the checkbox to skip the Surcharge Amount. This will “freeze” any recalculations of the Surcharge Amount as changes are made to the invoice.

G/L Account for Surcharges: Enter the G/L Account number to which the Surcharge will post.

You should visit this Setup screen after each upgrade or reinstallation of this Extended Solution.

Role Maintenance

The following Task has been added to Sales Order, Setup Options:

- DSD Extended Solutions Setup

Please review your security setup in Role Maintenance and make appropriate changes.

Section D: System Operations

Customer Maintenance

If a Customer is subject to Surcharges then the value in the Surcharge Rate UDF should be set to a non-zero value. It should not be entered as a decimal: 5 for 5%

Sales Order Entry

If you have entered an 'Order UDF for Surcharge Amount' in setup, as you exit the Lines tab of Sales Order entry, this Extended Solution will look to the Customer UDF for Surcharge Rate. If the Customer UDF for Surcharge Rate is a non-zero value then the Surcharge Amount will be calculated by multiplying the Order Total (taxable amount + non-taxable amount) by the Customer's Surcharge Rate. This result will be placed in the Sales Order Header UDF for Surcharge Amount and will be included in the Sales Order Total.

Sales Order Invoice Entry

As you exit the Lines tab of S/O Invoice entry, this Extended Solution will look to the Customer UDF for Surcharge Rate. If the Customer UDF for Surcharge Rate is a non-zero value then the Surcharge Amount will be calculated by multiplying the Invoice Total (taxable amount + non-taxable amount) by the Customer's Surcharge Rate. This result will be placed in the S/O Invoice UDF for Surcharge Amount and will be included in the Invoice Total.

Surcharges calculate only on Standard Invoices.

S/O Sales Journal Printing

The Surcharge Amount will be included in the Invoice's non-taxable amount on the S/O Sales Journal and S/O Gross Profit Journal.

S/O Sales Journal Printing & Update

During Sales Journal Update, the Surcharge Amount will be added to the Invoice's non-taxable amount. The Surcharge Amount will post as a Credit to the G/L account number specified in Setup. It will also increment the Customer UDF for Surcharge LTD by the Surcharge Amount on the Invoice.

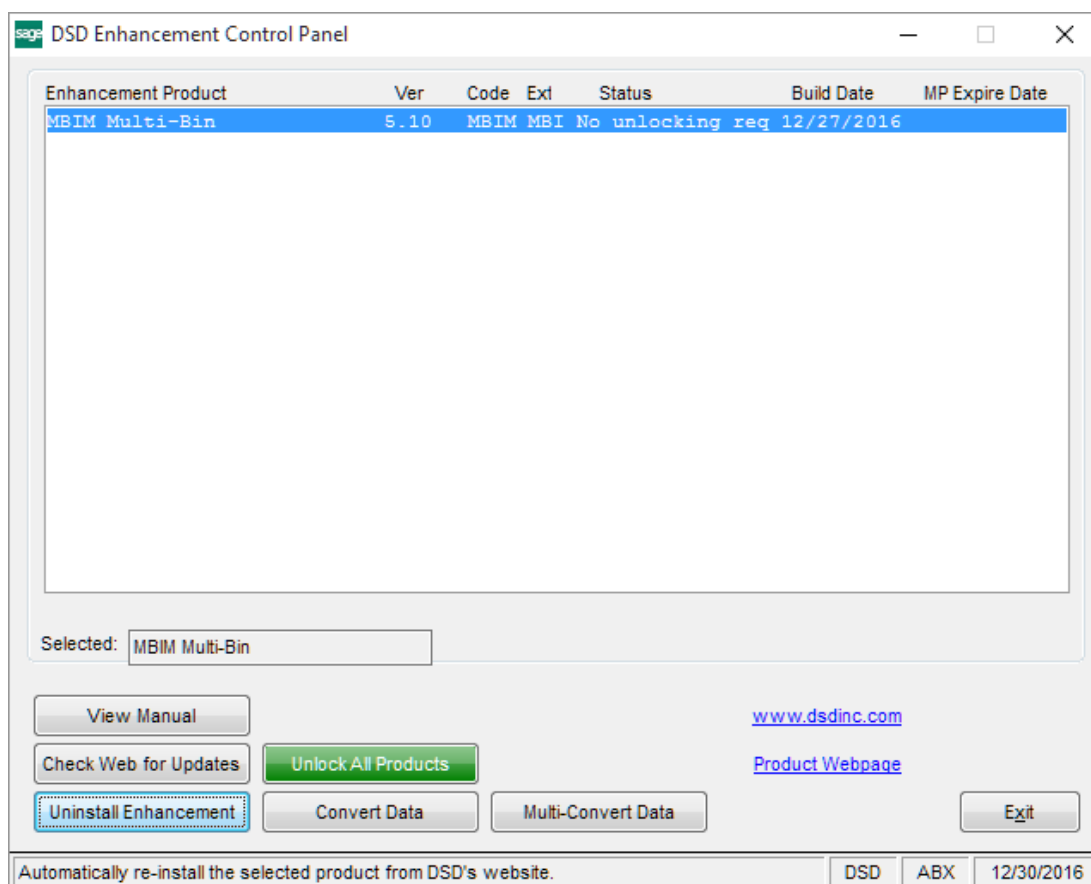
A/R Invoice History Inquiry

The value of the Surcharge UDF will be subtracted from the non-taxable amount for display in Invoice History Inquiry.

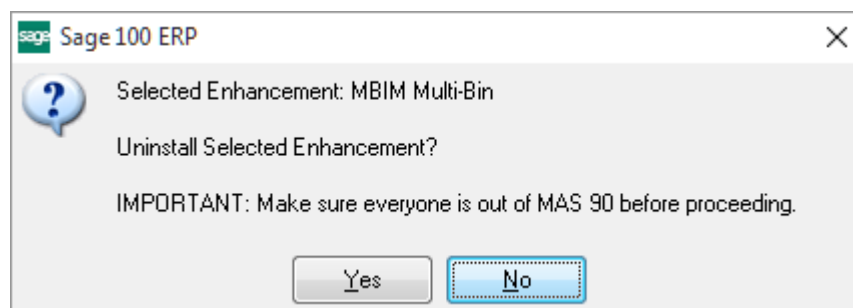
You will need to use Customizer to add the Surcharge Amount UDF on the Inquiry Screen in order for the Net Invoice Total amount to make sense.

Section E: Uninstall DSD Enhancements

A DSD Enhancements Uninstall Utility has been provided for the purposes of removing DSD Enhancements from your Sage 100 System. This utility may be accessed from the **DSD Enhancement Control Panel** menu option on the **Library Master / Utilities** menu.



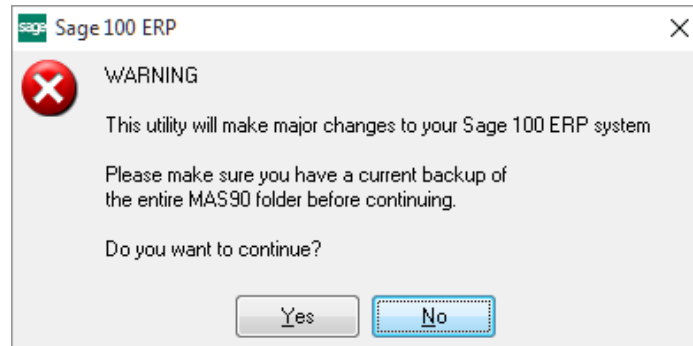
When accessing the **DSD Enhancement Control**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process.

The following message box will appear, to remind you that a complete backup of your entire Sage 100 system should be completed prior to uninstalling a DSD product.



Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process.

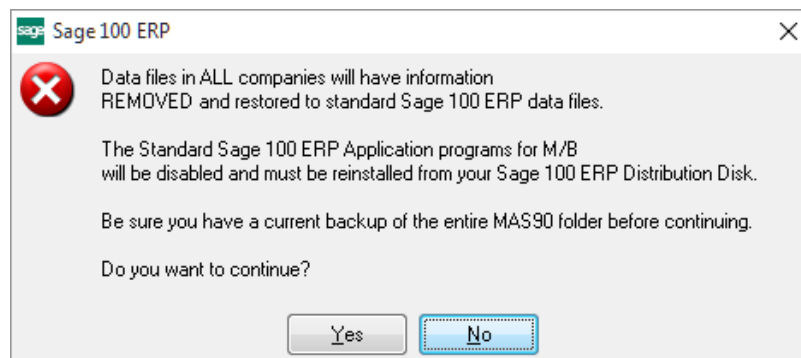
After the Uninstall of the DSD Enhancement, you MUST reinstall certain standard Sage 100 modules, followed by reinstallation of Product Updates and Hot Fixes, if applicable.

A message box will appear, and will display which of those specific Sage 100 modules you must reinstall afterwards.

Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process.

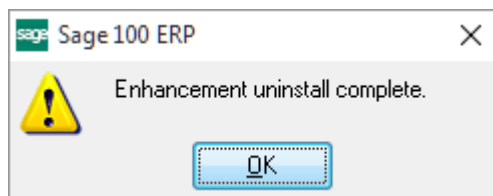
The following message box will appear, displaying the final warning message.



Select **No** to exit the Uninstall Process.

Select **Yes** to continue with the Uninstall Process. At this point, the DSD Enhancement will be removed from the Sage 100 system.

After completion of the Uninstall, the following message box will appear. Select OK to continue.



Now that the Uninstall process is completed, you must:

- Reinstall the applicable standard Sage 100 modules
- Reinstall the latest Sage 100 Service Pack/Updates, if applicable.
- Reinstall any other DSD Enhancements or Developer products that are affected from the reinstallation of the standard Sage 100 module(s).