



DSD Business Systems

Sage 100 Enhancements

POLC

Advanced Landed Cost

Version 7.20



Information in this document is subject to change without notice.

Copyright 1993-2023, DSD Business Systems All rights reserved.

Advanced Landed Cost User's Manual
Version 7.20

17 July, 2023

DSD Business Systems
8787 Complex Drive
Suite 400
San Diego, CA 92123
858/550-5900 8:00am to 5:00pm PST
858/550-4900 Fax

Trademarks

ProvideX® is a Trademark of Sage Software.

Windows is a trademark of Microsoft Corporation.

Sage 100® is a registered trademark of Sage Software.

PXPlus® is a registered trademark of PVX Plus technologies

All other product names and brand names are service marks, and/or trademarks or registered trademarks of their respective companies.

This documentation and the software described herein, is prepared and published under license. Sage Software has not tested or verified either the software or any representation in this documentation regarding the software. Sage Software does not make any warranty with respect to either this documentation or the software described herein, and specifically disclaims any warranty, express or implied, with respect hereto, including the warranties of fitness for a particular purpose and merchantability.

Table of Contents

SECTION A: INTRODUCTION	4
WEB RESOURCES	4
SUPPORT	4
ADVANCED LANDED COST FEATURES	5
SECTION B: GETTING STARTED	6
REQUIRED LEVELS	6
INSTALLATION	6
DSD ENHANCEMENT CONTROL PANEL	8
SECTION C: SETUP	10
POLC OPTIONS	10
SECTION D: SYSTEM OPERATIONS	12
USING THE P/O ADVANCED LANDED COST ENHANCEMENT	12
SECTION E: UNINSTALL DSD ENHANCEMENTS	13

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*

POLC Advanced Landed Cost:

<http://www.dsdinc.com/enh/pages/POLC.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 remotely or by some other to duplicate the system.

Advanced Landed Cost Features

- A new “Default” check box and “Percent” field have been added to Landed Cost Type Maintenance.
- In Receipt of Goods Entry, if Landed Cost Entry is chosen, LC types with “Default” checked will automatically populate the entries.
- In Receipt of Goods Entry, if the selected Landed Cost Type has a percent entered, it will be used to calculate the Landed Cost amount.
- A “Recalc” button has been added to Landed Cost Entry to allow for recalculation of already entered landed costs.
- Ability to automatically populate landed cost entries based on line item.
- POLC is compatible with Multi Currency.

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
P/O	Y	7.20

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 License Agreement and Activation

License Agreement
YOU MUST READ THIS AGREEMENT COMPLETELY AND AGREE BEFORE PROCEEDING. SCROLL THROUGH THIS AGREEMENT USING THE SLIDER CONTROL.

IMPORTANT: THIS SOFTWARE IS LICENSED BY DSD BUSINESS SYSTEMS, INC. TO CUSTOMERS FOR THEIR USE ONLY IN ACCORDANCE WITH THE TERMS SET FORTH IN THIS CUSTOMER LICENSE AGREEMENT. OPENING OR USING THIS PACKAGE CONSTITUTES ACCEPTANCE OF THESE TERMS. IF THE TERMS OF THIS LICENSE ARE NOT ACCEPTABLE, THE CUSTOMER MAY OBTAIN A FULL REFUND OF ANY MONEY PAID IF THIS UNUSED, UNOPENED PACKAGE IS RETURNED WITHIN TEN (10) DAYS TO THE DEALER FROM WHICH IT WAS ACQUIRED.

1 Agree to License Agreement
☒ Agree ☐ Disagree

2 Select Unlocking Type
☐ Web ☐ File
☐ Demo ☒ Manual Entry

3 Call DSD at 858-550-5900
 Have this information ready: End User Name: DSD Business Systems
 Serial Number: 0555188

4 Enter the following from DSD
 Activation Key:
 Click to Unlock:

Buttons: Help, Exit

Footer: DSD ABX 12/30/2016

DSD Conversion Wizard: Step One, Introduction

DSD BUSINESS SYSTEMS

This company's data needs to be converted.
 This program will perform the conversion.

Buttons: Cancel, Next

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.

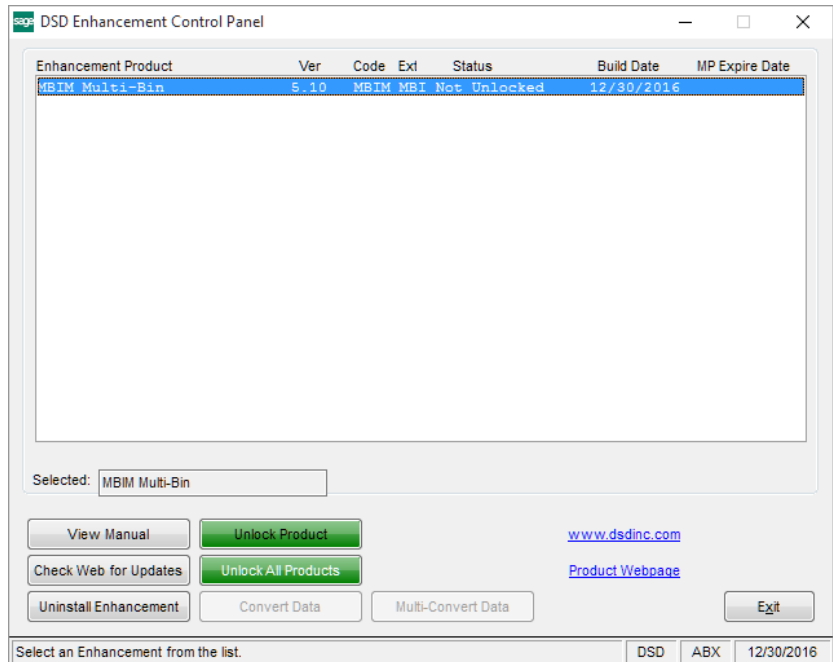
View Manual: This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual must be in the "MAS90/PDF" folder in the Sage 100 system. If the file is not present, and the system has web access, the correct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

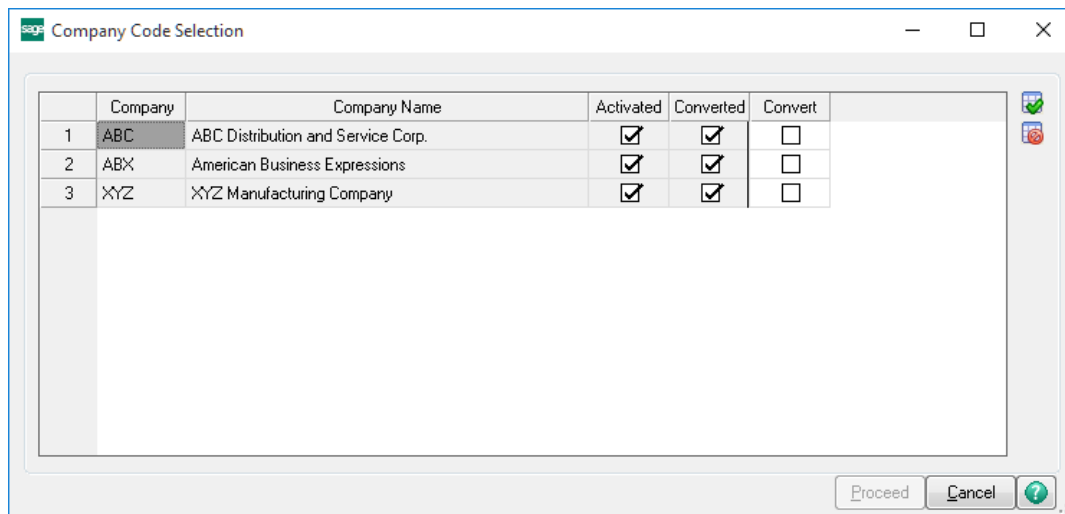
Unlock Product: This will cause the DSD Enhancement License Agreement and Activation window to appear. Using this window is described on the previous page. *This button is disabled if the selected Enhancement is already unlocked or if unlocking is not required.*

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

POLC Options

Upon completion of software installation, you will need to access the POLC Setup Options from the Purchase Order Setup menu. Check the 'Enable' box to activate this enhancement.

POLC Setup Options

Enabled ☒

Landed Cost Type	Landed Cost Method	Landed Cost Amount UDF
DUTY	Amount	DUTY

Accept Cancel

Optional Settings for Landed Cost by Line Item:

Landed Cost Type: Optionally select up to 10 Landed Cost Types to automatically assign a landed cost values based on the line item.

Landed Cost Method: Select from Amount or Percentage method of allocation for line items.

Landed Cost Amount UDF: Select a numeric type PO_ReceiptDetail custom office user defined field to assign a value for landed cost by line item. This UDF may also be created in the CI_Item table and mapped through to PO_PurchaseOrderDetail and PO_ReceiptDetail so that the landed cost amount by item can be stored at the Item level.

Example:

PO Receipt Detail: New Field

Field Name: UDF_LANDED_COST
 Description: Landed Cost
 Control Type: ☒ Multi-Line, ☐ Drop-Box, ☐ List-Box, ☐ Check-Box

Field in Use: No
 Bytes Used: 2,691 of 20,000
 Name Space Used: 826

Bytes Used is the sum of the lengths of all columns in the table. Name Space Used is bytes-used plus the lengths of all column names.

1. Attributes 2. Validation 3. Data Sources

Business Object	Select	Data Source	Column	Ignore	Expression	DM
PO_ReceiptOfGoodsDetail_bus	☒	ItemCode	UDF_LANDED_COST	☐		
PO_ReceiptOfInvoiceDetail_bus	☐					
PO_ReceiptOfGoodsDetail_bus.CopyFromPur	☒	PO_PurchaseOrderDetail	UDF_LANDED_COST	☐		
PO_ReceiptOfInvoiceDetail_bus.CopyFromPur	☐					

Landed Cost Type Maintenance (ABC) 7/17/2023

Cost Type: DUTY
 Description: Duty

Allocation Method: Cost
 Expense Account: 565-00-03
 Automatic Update: ☐ ☒ Default Landed Cost Type ☒ Percent To Allocate: 5.000

Accept Cancel Delete

On the PO Setup menu, two new fields have been added to Landed Cost Type Maintenance: a “Default” checkbox and a field for “Percent to Allocate”.

The new “Default” check box has been added to indicate which types will be selected to automatically populate the Landed Cost Data Entry. If the box is checked the type will be selected.

Enter a percent in the “Percent to Allocate” field to be used in Receipt of Goods Entry to calculate the landed cost amount. When a selected Landed Cost Type has a percent entered in the new field, the percent will be applied to the gross receipt amount, (for all line items that have the Allocate Landed Cost flag set in the PO_PurchaseOrderDetail file), to calculate the Landed Cost amount for that type.

Section D: System Operations

Using the P/O Advanced Landed Cost Enhancement

In Receipt of Goods Entry, when Landed Cost Entry is selected, the screen will be populated automatically with all Landed Cost Types that have the “Default” check box checked and/or the Landed Cost Type defined in the POLC Options for line item landed cost calculations.

The screenshot displays the 'Receipt of Goods Entry (ABC) 7/17/2023' window. The 'Landed Cost Entry' dialog box is open, showing a table of landed costs:

Cost Type	Description	Method	Amount
1 DUTY	Duty	Cost	35.70
2 FRGHT	Freight	Cost	35.70
3 MISC	Miscellaneous Chg	Cost	53.55
4			.00

The 'Total Landed Cost' is 124.95. The 'Recalc' button is visible at the bottom of the dialog. The background window shows the 'Receipt of Goods Entry' form with fields for Receipt Number (001015), Vendor (01-AIRWAY), Invoice Number (110612), and various cost-related fields.

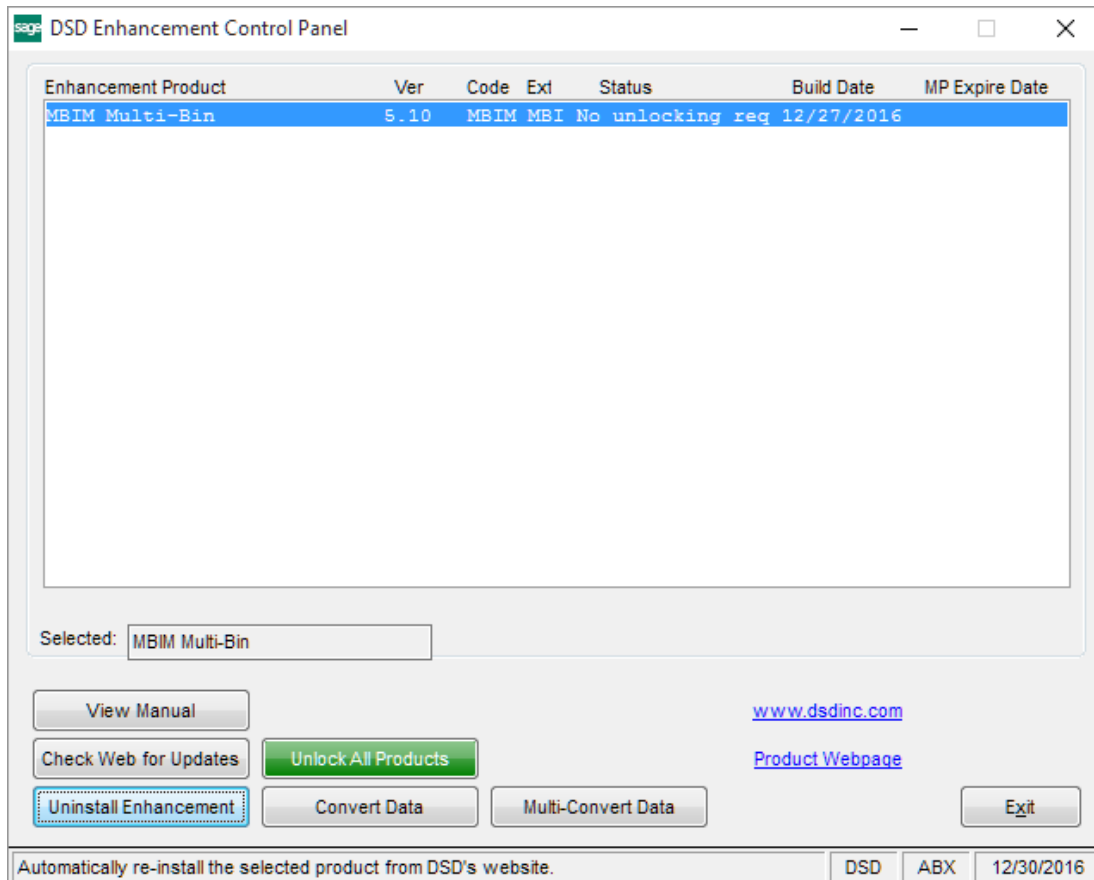
When a selected Landed Cost Type also has a percent entered in the new “Percent to Allocate” field, the Landed Cost amount will be calculated by applying the percentage to the gross receipt amount for all line items that have the Landed Cost (LC) flag set. The user will have the ability to override the calculated dollar amount if needed.

A “Recalc” button has also been added to Landed Cost Entry to allow for recalculation of already-entered landed costs.

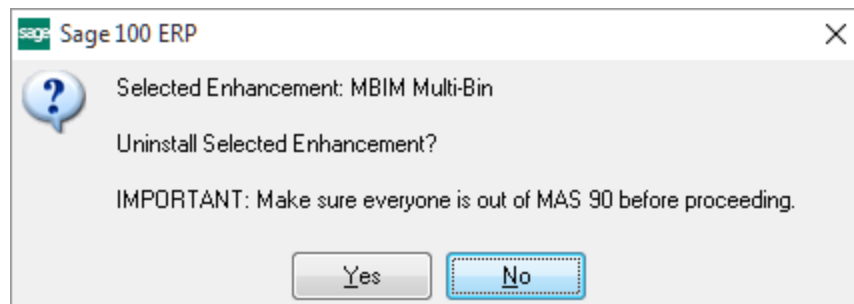
The screenshot shows the 'Landed Cost Entry' dialog box with the same table of landed costs as above. A 'Sage 100' confirmation dialog is overlaid, asking: 'Do you want to recalculate Landed Cost Amounts?'. The dialog has 'Yes' and 'No' buttons. The 'Recalc' button is visible at the bottom of the 'Landed Cost Entry' dialog.

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.

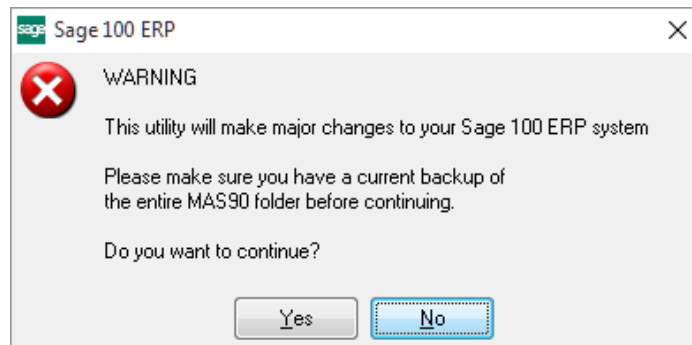


When accessing the **DSD Enhancement Control**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



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.



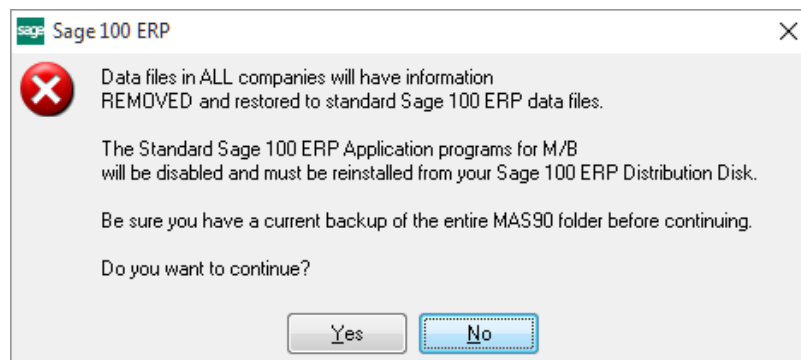
Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

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.

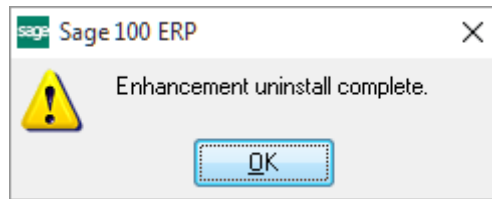
Select **No** to exit the Uninstall Process.
Select **Yes** to continue with the Uninstall Process.

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).