



**DSD**  
BUSINESS SYSTEMS

# **DSD Business Systems**

MAS 90/200 Enhancements

L023

Conversion Utility for Upgrade

LM-1023

Version 4.40.PU2



**Sage Software  
Development Partner  
GOLD**

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Conversion Utility for Upgrade User's Manual  
Version 4.40.PU2

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## Section A: Introduction

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This manual contains a description and instructions for this DSD product. Operating instructions are included for the features added by this product to MAS 90/200. For instructions on using MAS 90/200, refer to the appropriate MAS 90/200 manual, or call your MAS 90/200 reseller. DSD Business Systems offers excellent MAS 90/200 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*

L023 Conversion Utility for Upgrade:

<http://www.dsdinc.com/enh/pages/L023.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 MAS 90/200 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.

### **Conversion Utility for Upgrade Features**

This utility converts Extended Solutions data to standard MAS90 data files for the following:

*AP-1029: User Defined Fields for Invoice Header*

*AP-1035: User Defined Fields for Vendor Masterfile*

*AR-1074: User Defined Invoice Header Fields*

*AR-1080: User Defined Fields for A/R Customer Masterfile*

*AR-1108: User Defined Line Fields for Invoices*

*CM-1005: Shipping Rate Maintenance UDFs*

*CM-1007: S/O Misc. Charge Maintenance UDFs*

*CM-1008: UDFs for Customer Ship To Address*

*CM-1010: UDFs for Salesperson Maintenance*

*IM-1191: User Defined Fields for Lot/Serial Numbers*

*SO-1014: User Defined Line Fields for Sales Order*

*SO-1085: Sales Order Integration with Job Cost*

*SO-1113: Enhanced S/O Header User Defined Fields*

*SO-1118: User Defined Fields for Miscellaneous Charge Codes*

## Section B: Getting Started

### CAUTION

- **If you reinstall or upgrade one of the MAS 90/200 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.**
- **Do not install this Enhancement on MAS SQL Systems.**

### Required Levels

MAS 90/200 Module	Module Required	Required Level
L/M	Y	4.40.PU2

### Installation

1. **Back-up:** Exit all MAS 90/200 sessions. Back-up existing MAS 90/200 data.
2. **Check Levels:** MAS 90/200 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 MAS 90/200 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 MAS 90/200:** MAS 90/200 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 MAS 90/ 200 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.*

The screenshot shows a software window titled "DSD Enhancement License Agreement and Activation". The window contains the following elements:

- License Agreement:** A text area with the following text: "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:** Radio buttons for "Agree" (selected) and "Disagree".
- 2 Select Unlocking Type:** Radio buttons for "Web", "File", "Demo", and "Manual Entry" (selected).
- 3 Call DSD at 858-550-5900:** A section titled "Have this information ready:" containing text boxes for "End User Name" (filled with "DSD Business Systems") and "Serial Number" (filled with "0555188").
- 4 Enter the following from DSD:** A text box for "Activation Key:" and a button labeled "Unlock Product".
- Buttons for "Help" and "Exit" are located at the bottom of the window.
- The system tray at the bottom right shows "ABC" and the date "4/28/2010".

**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 registration, the Data Conversion window 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 MAS 90/200 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.

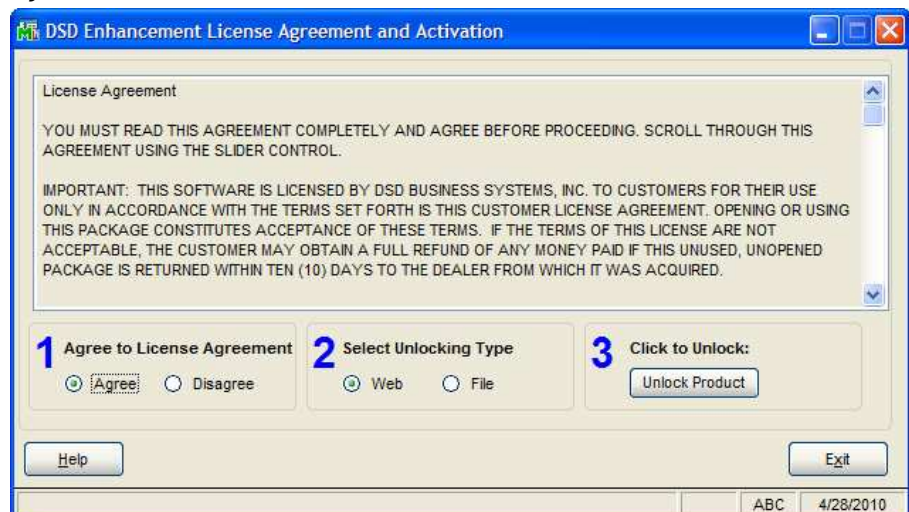
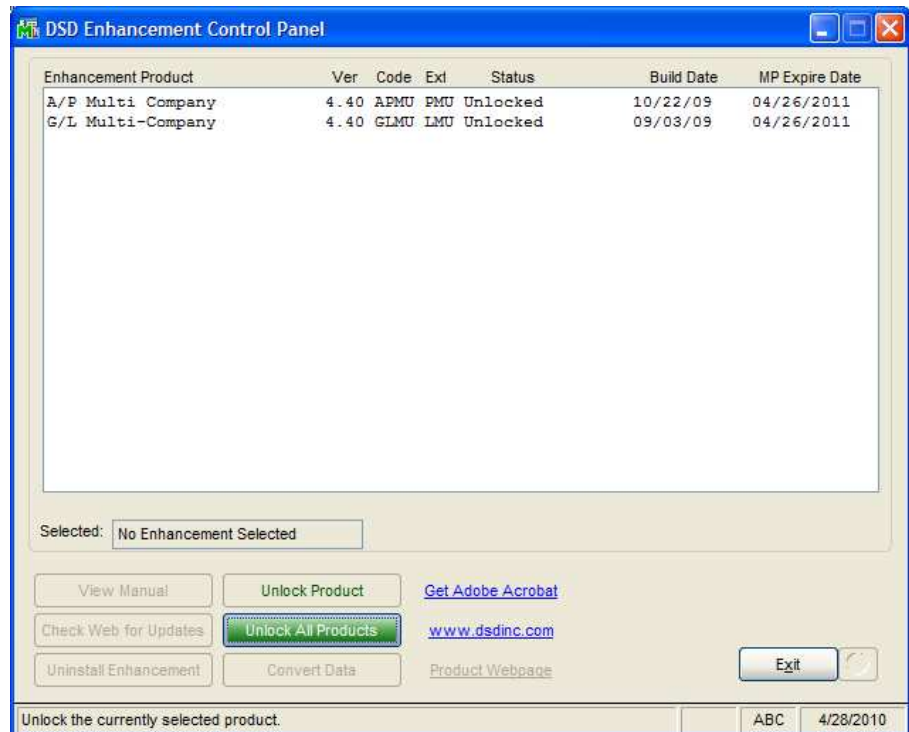
**View Manual:** This button will display the product manual for the selected Enhancement using Adobe Acrobat. For this to be possible, the PDF file for the corresponding manual

must be in the "MAS90/PDF" folder in the MAS 90/200 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 ftp web connection on the MAS 90/ 200 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.*

**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 Enhancements 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.

**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.

There are also links to the DSD website and the Enhancement page on that site.

## Section C: Setup

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Unlike other DSD Extended Solutions there is no Setup Screen for this part number.

## Section D: System Operations

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This conversion happens automatically during the standard MAS90 data conversion, run from Company Maintenance. After data conversion is complete, you should remove these Extended Solutions via the 'Remove Extended Solutions' option in the Extended Solutions Control Center on the Utilities menu in Library Master.

### **AP-1029, User Defined Fields for Invoice Header**

Invoice Header UDFs will be converted from the AP\_HU files to the following files (See 'Non Custom Office UDF Conversion' below and Appendix for details):

- AP\_InvoiceHeader
- AP\_OpenInvoice
- AP\_InvoiceHeaderPosting (create UDFs only, no data to convert)
- AP\_InvoiceHistoryHeader (create UDFs only, no data to convert)

### **AP-1035, User Defined Fields for Vendor Masterfile**

A/P Vendor Masterfile UDFs will be converted from the AP\_MU file to the AP\_Vendor file (See 'Non Custom Office UDF Conversion' below and Appendix for details).

### **AR-1074, User Defined Invoice Header Fields**

Invoice Header UDFs will be converted from the AR\_HU files to the following files (See 'Non Custom Office UDF Conversion' below and Appendix for details):

- AR\_InvoiceHeader
- AR\_InvoiceHistoryHeader
- AR\_OpenInvoice
- AR\_TransactionPosting (create UDFs only, no data to convert)

### **AR-1080, User Defined Fields for A/R Customer Masterfile**

A/R Customer Masterfile UDFs will be converted from the AR\_UD file to the AR\_Customer file (See 'Non Custom Office UDF Conversion' below and Appendix for details).

### **AR-1108, User Defined Line Fields for Invoices**

Invoice Line UDFs will be converted from the AR\_LH, AR\_LU, and AR\_LR files to the following files (See 'Non Custom Office UDF Conversion' below and Appendix for details):

- AR\_InvoiceDetail
- AR\_RepetitiveInvoiceDetail
- AR\_InvoiceHistoryDetail

### **CM-1005, Shipping Rate Maintenance UDFs**

Shipping Rate Maintenance UDFs will be converted from the SO\_L1 file to the SO\_ShippingRateHeader file.

**CM-1007, S/O Misc. Charge Maintenance UDFs**

Sales Order Miscellaneous Charge UDFs will be converted from the SO\_L7 file to the CI\_Item file.

**CM-1008, UDFs for Customer Ship To Address**

Customer Ship-To Address UDFs will be converted from the SO\_ST file to the SO\_ShipToAddress file.

**CM-1010, UDFs for Salesperson Maintenance**

Salesperson UDFs will be converted from the AR\_SE file to the AR\_Salesperson file.

**IM-1191, User Defined Fields for Lot/Serial Numbers**

A/R Invoice History Lot/Serial Distribution UDFs will be converted from the IM\_SU file to the AR\_InvoiceHistoryLotSerial file. UDF fields will also be created in SO\_InvoiceTierDistribution file although data will not be converted. If SO-1175 is enabled, Sales Order Lot/Serial Distribution UDFs will be converted from the IM\_SU file to the SO\_OrderTierDistribution\_001 file. (See 'Non Custom Office UDF Conversion' below and Appendix for details).

**SO-1014, User Defined Line Fields for Sales Order**

Sales Order Line UDFs will be converted from the SO\_LU and SO\_LJ files to the following files (See 'Non Custom Office UDF Conversion' below and Appendix for details):

- SO\_SalesOrderDetail
- SO\_InvoiceDetail
- SO\_SalesOrderHistoryDetail
- AR\_InvoiceHistoryDetail

**SO-1085, Sales Order Integration with Job Cost**

If SO-1085 is enabled and 'Multiple Jobs on Invoice' is unchecked and 'Validate by Customer' is checked the following data fields will be converted:

- Job Number in Sales Order Header file
- Cost Code and Cost Type in Sales Order Detail file
- Job Number in Sales Order History Header file
- Cost Code and Cost Type in Sales Order History Detail file
- Job Number in AR Invoice History Header file
- Cost Code and Cost Type in AR Invoice History Detail file

The Sales Order setup option 'Integrate with Job Cost' will be checked. The SO-1085 options 'Job Number Required' and 'Post Costs to Job Cost' will be copied to the corresponding fields in the SO Option file.

Cost Code and Cost Type in header files and Job Number in detail files are not converted.

**SO-1113, Enhanced S/O Header User Defined Fields**

Enhanced S/O Header UDFs will be converted from the AR\_DF and AR\_DI files to the following files (See 'Non Custom Office UDF Conversion' below and Appendix for details):

- SO\_SalesOrderHeader
- SO\_InoviceHeader
- SO\_SalesOrderHistoryHeader
- AR\_OpenInvoice
- AR\_InvoiceHistoryHeader
- AR\_TransactionPosting (create UDFs only, no data to convert)

**SO-1118, User Defined Fields for Miscellaneous Charge Codes**

Miscellaneous Charge Codes UDFs will be converted from the SO\_A7 file to the CI\_Item file (See 'Non Custom Office UDF Conversion' below and Appendix for details).

**Non Custom Office UDF Conversion (Extended Solutions: AP-1029, AP-1035, AR-1074, AR-1080, AR-1108, IM-1191, SO-1014, SO-1113, and SO-1118)**

Custom Office UDF creation and UDF data conversion happen during data conversion from Company Maintenance. UDFs from the same Extended Solutions in different companies will be combined based on UDF title, type, and length.

**NOTE:** 'Combined' means that UDF data will be converted to the same CM UDF field and validation entries will be converted to the same UDT. 'Default value', 'Mask', and 'Entry required' from the first company converted will be used.

UDFs will not be combined with Custom Office UDFs that you have created yourself.

UDF name is determined in these steps:

**1) Re-format UDF name:**

- Spaces are stripped from UDF title.
- UDF title is converted to uppercase.
- Special characters are replaced with "\_". (Special characters are anything other than 0-9, A-Z, and underscore.)
- Beginning and ending "\_", if any, are stripped.

Example: "1. Complete Order?" will become "1\_COMPLETEORDER"

**2) Determine Uniqueness:**

- Check if another UDF from the same Extended Solution with the same name/type/length has already been created.
  - If found, no new UDF will be created. The UDF will be merged into the one already created.

- If UDF of the same name is found but it has different type or length, a new UDF name is needed (proceed to step 3).
- Check all destination files for name conflict with existing custom office UDFs. (CM UDF created by user or by another Extended Solution.) If found, a new UDF name is needed (proceed to step 3).
- Check all user-defined table names in the appropriate module for name conflict. *Example: UDT name "AR\_UDT\_TEST" is in conflict with SO-1113 UDF "TEST".* If found, a new UDF name is needed (proceed to step 3).

3) Determine new UDF name (if needed):

An underscore and a sequence number will be add to the UDF name and repeat step 2 until a unique name is found. *Example: original UDF name is 'TEST', new UDF name is 'TEST\_1'.*

The original unformatted UDF title will be placed in the CM UDF description field and the Caption field.

Custom Office does not allow UDT validation for numeric UDF. Therefore, UDF validation records for numeric UDFs will not be converted.

If validation records exist for a non-numeric UDF, UDT validation will be set up when it is converted to CM UDF, even if the 'Validate Entry' check box is unchecked.

If you do not want UDF conversion to occur for a company code, disable the appropriate Extended Solution before upgrade.

If you do not want a specific UDF to be converted, clear it in UDF Setup before upgrade.

If you do not want two UDFs that have same name/type/length to be merged, change one of the UDF titles before upgrade.

UDF setup to be converted to CM UDF setup includes: Title, Type, Length, Mask (if numeric), Default Value (if default is 'String Constant'), and 'Entry Required'. UDF validation entries will be converted to UDT.

Context table entries and UDF data sources will be created for the UDF fields to flow from one file to another.

UDFs will not be created in report work files.

If a numeric mask does not conform to CM requirement, it will be changed to the CM default mask "-#,###,###.00".

Non-standard UDF types will be converted to string-type UDF. Lookup and validation will not be available after conversion. Non-standard UDF types are anything other than String, Uppercase, Numeric, Date, and Yes/No. For Example, GL Account, Vendor Number, etc.

Only 'String Constant' default values will be converted.

These UDF options will not be converted: Title Color, Password, Tab Stop, Validate Entry, Add During Entry, and Protect From Viewing.

#### **Example 1: Similar UDF in multiple companies**

SO-1113 is enabled in companies ABC, EEC, and XYZ with the following UDFs setup:

ABC: String UDF 'test', Length=1, Default value=String Constant "1", Entry Required = Y

EEC: String UDF 'TEST', Length=1, Default value=String Constant "3", Entry Required = N

XYZ: String UDF 'Test', Length=3, Default value=String Constant "XXX", Entry Required = N

#### **Example 1: 4.10 Conversion Results**

If company ABC is converted first, EEC is converted next, and XYZ is converted last, the following Custom Office UDFs will be created in all destination tables:

TEST – Multi-line, String, Length = 1, Default Value = "1", Description and Caption = "test", Required Field = Yes.

TEST\_1 – Multi-line, String, Length = 3, Default Value = "XXX", Description and Caption = "Test", Required Field = No.

If company EEC is converted first, ABC is converted next, and XYZ is converted last, the following Custom Office UDFs will be created in all destination tables:

TEST – Multi-line, String, Length = 1, Default Value = "3", Description and Caption = "TEST", Required Field = No.

TEST\_1 – Multi-line, String, Length = 3, Default Value = "XXX", Description and Caption = "Test", Required Field = No.

If company XYZ is converted first, ABC is converted next, and EEC is converted last, the following Custom Office UDFs will be created in all destination tables:

TEST – Multi-line, String, Length = 3, Default Value = "XXX", Description and Caption = "Test", Required Field = No.

TEST\_1 – Multi-line, String, Length = 1, Default Value = "1", Description and Caption = "test", Required Field = Yes.

#### **Example 2: Two Extended Solution UDF titles have similar UDF**

SO-1113 and AR-1074 are enabled in company ABC with these UDFs setup:

SO-1113: String UDF 'test', Length = 1.

AR-1074: String UDF 'test', Length = 1.

**Example 2 4.10 Conversion Result**

The AR-1074 UDF 'test' will become CM UDF 'TEST'. The SO-1113 UDF 'test' will become CM UDF 'TEST\_1'. Since AR-1074 and SO-1113 both create CM UDFs in the AR\_InvoiceHistoryHeader, AR\_OpenInvoice, and AR\_TransactionPosting tables and the conversion does not merge UDFs from different Extended Solutions, the name of the SO-1113 UDF is changed.

**Example 3, Extended Solution UDF and existing Custom Office UDF which are similar:**

Company ABC has these UDFs setup:

SO-1113 string UDF 'test', Length = 1.

Custom Office Sales Order Header multi-line string UDF 'TEST', Length = 1.

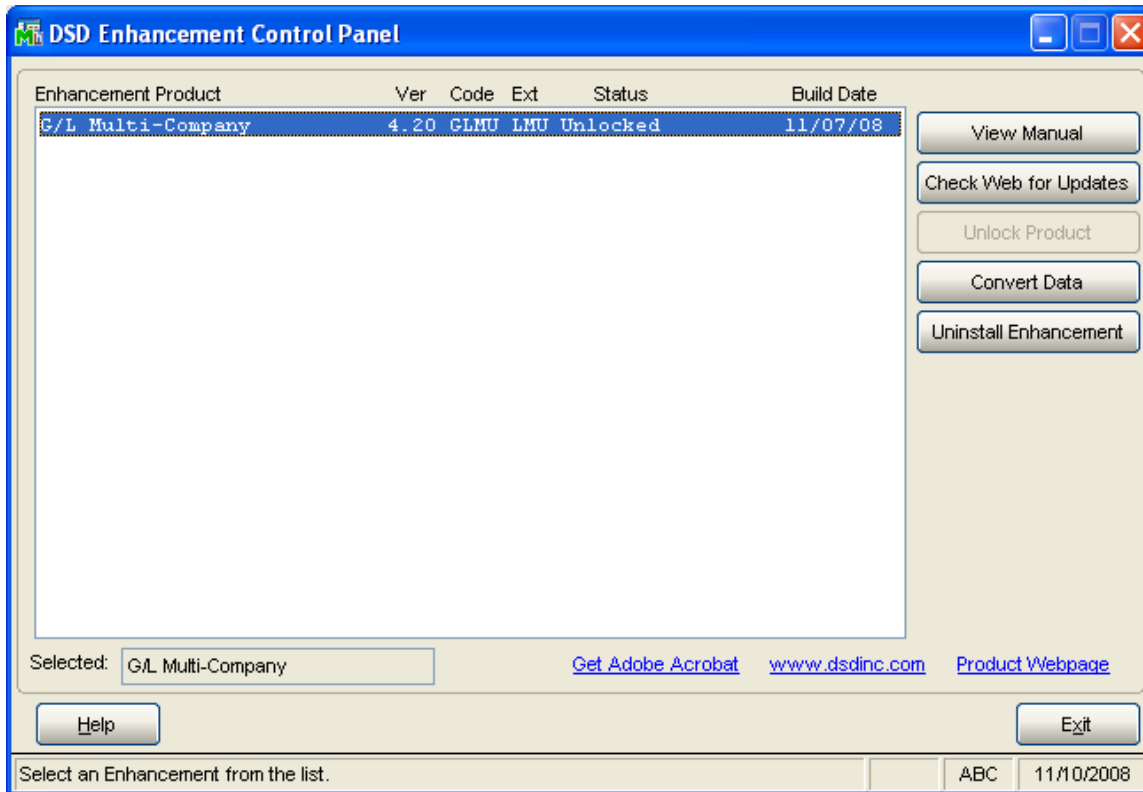
**Example 3: 4.10 Conversion Result**

The SO-1113 UDF 'test' will become CM UDF 'TEST\_1' because CM UDF 'TEST' already exists.

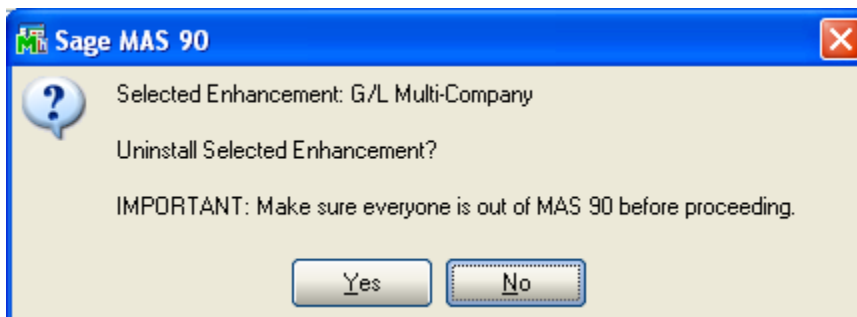
*It is advised that you back up your MAS90 directory and have all users exit MAS90 before running data conversion.*

## Section E: Uninstall DSD Enhancements

A DSD Enhancements Uninstall Utility has been provided for the purposes of removing DSD Enhancements from your MAS 90/200 System. This utility may be accessed from the **DSD Enhancement Control Panel** menu option on the **Library Master / Utilities** menu.

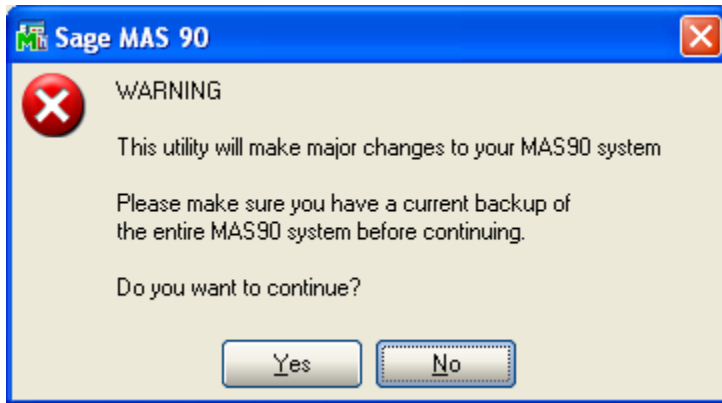


When accessing the **DSD Utility Suite**, select the enhancement that you wish to Uninstall, and then select the **Uninstall Enhancement** button. The following message box will appear:



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

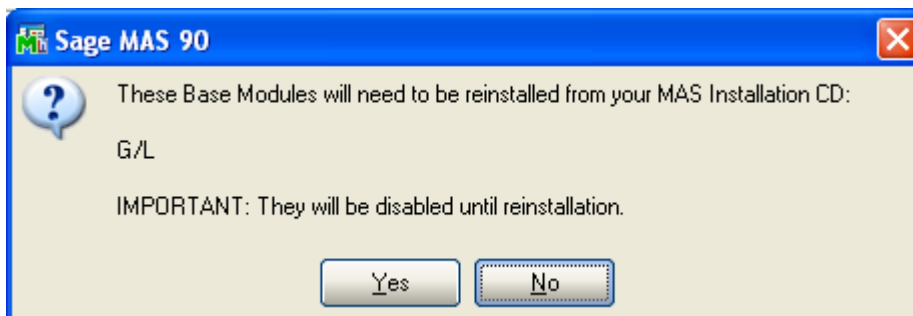
The following message box will appear, to remind you that a complete backup of your entire MAS90 system should be completed prior to uninstalling a DSD product.



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 MAS 90/200 modules, followed by reinstallation of MAS Service Packs / Updates, if applicable.**

The following message box will appear, and will display which of those specific MAS 90/200 modules you must reinstall afterwards.

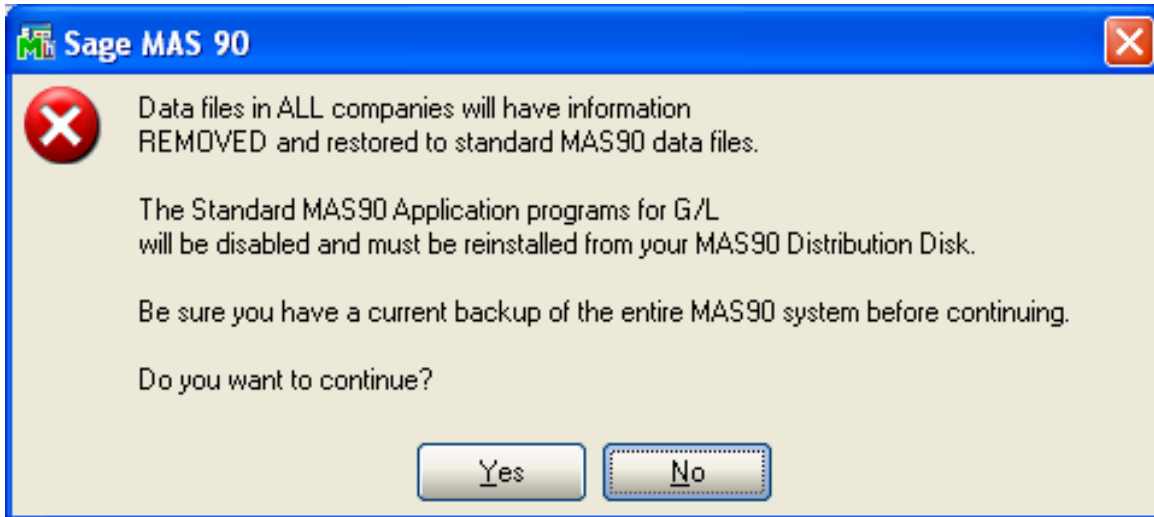


Select **No** to exit the Uninstall Process.  
Select **Yes** to continue with the Uninstall Process.

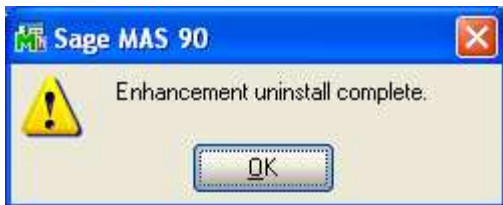
The following message box will appear, displaying the final warning message.

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 MAS 90/200 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 MAS 90/200 modules
- Reinstall the latest MAS 90/200 Service Pack/Updates, if applicable.
- Reinstall any other DSD Enhancements or Developer products that are affected from the reinstallation of the standard MAS 90/200 module(s).

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