



DSD
BUSINESS SYSTEMS

DSD Business Systems

MAS 90 Enhancements

SOMC
SQL-compatible
Sales Order Multi-Currency

Version 3.74

sage
software

Master Developer

Information in this document is subject to change without notice.

Copyright 1993-2008, DSD Business Systems All rights reserved.

Sales Order Multi-Currency User's Manual
Version 3.74

31 January, 2008

DSD Business Systems
5120 Shoreham Place
Suite 280
San Diego, CA 92122
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.

MAS 90[®] 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	6
WEB RESOURCES	6
SUPPORT	6
HOW THE MULTI-CURRENCY S/O MODULE WORKS	7
SALES ORDER MULTI-CURRENCY FEATURES	7
REPORTS	8
SECTION B: GETTING STARTED	9
REQUIRED LEVELS	9
INSTALLATION	9
DSD ENHANCEMENT CONTROL PANEL	10
SECTION C: SETUP	12
INITIAL SET-UP	12
CONVERSION NOTES	12
MULTI-CURRENCY SALES ORDER PROCESSING SETUP	12
CUSTOMER LAST PURCHASE MAINTENANCE	13
SECTION D: SYSTEM OPERATIONS	14
SALES ORDER ENTRY	14
CREDIT INFORMATION	15
SALES ORDER LINE ENTRY	15
ITEM PRICE PRECEDENCE	16
SALES ORDER PRINTING – NON GRAPHICAL FORMS	17
SALES ORDER PRINTING – CRYSTAL GRAPHICAL FORMS	18
PICKING SHEET PRINTING	18
INVOICE DATA ENTRY	19
CREDIT INFORMATION	20
INVOICE LINE ENTRY	20
ITEM PRICE PRECEDENCE	21
INVOICE PRINTING	22
COD LABEL PRINTING	23
DAILY SALES REPORTS/UPDATES	23
AUTO GENERATE INVOICE SELECTION	23
SALES ORDER INQUIRY	23
SHIPPING DATA ENTRY	24
DAILY SHIPMENT REPORT	26
SHIPPING HISTORY INQUIRY	26
SHIPPING HISTORY REPORT	26

Sales Order Multi-Currency	5
<hr/>	
SECTION E: REPORTS	27
STANDARD REPORTS	27
SECTION F: CRYSTAL REPORTS	28
SECTION G: TROUBLESHOOTING	29
SECTION H: VI IMPORTS	31
SECTION I: WHAT'S NEW?	32
VERSION 3.50	32
VERSION 3.51	32
VERSION 3.60	32
VERSION 3.61	33
VERSION 3.70	33
VERSION 3.70 - TECHNICAL	33
VERSION 3.71	34
APPENDIX A: M*A*S 90/200 PROGRAM & FILE CHANGES	35
LICENSE AGREEMENT	36
FAX TRANSMITTAL FORM	38

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 MAS 90. For instructions on using MAS 90, refer to the appropriate MAS 90 manual, or call your MAS 90 reseller. DSD Business Systems offers excellent MAS 90 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*

SOMC Sales Order Multi-Currency: <http://www.dsdinc.com/enh/pages/SOMC.htm>

The product web page contains:

- Product Description*
- Adobe Acrobat Product Description*
- Web Links*
- Current Product Version Table*
- Product Installation File Download*
- Product Manual in Word 97 and Adobe Acrobat Formats*
- Revision History*
- FAQ*

Support

DSD provides product support through MAS 90 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.

How the Multi-Currency S/O Module Works

The **Multi-Currency Sales Order Processing** enhancement provides the **MAS 90** user with the ability to generate quotes, sales orders and invoices in different currencies. Foreign Prices and Levels setup in the Inventory Management module may be used. Items sold are updated to the Inventory Management module in Base Currency. Invoices are posted to the Accounts Receivable module in the Currency invoiced. Reports may be printed in any Currency using any Exchange Rate.

Sales Order Multi-Currency Features

- **Customer Last Purchase in Entry Currency:** You may view the Customers Last Purchase information in the actual Entry Currency in addition to the Base Currency.
- **Enter Transactions in Any Currency:** You may enter Sales Orders, Invoices, Credit and Debit Memos in the Customer's default Entry Currency, or you may change the Transaction Currency to any other established Currency.
- **Enter Transactions using Any Exchange Rate:** You may use the Currency Exchange Rate as of the transaction date or you may override the Exchange Rate.
- **Customer Price Levels by Customer by Currency:** You may use the Customer Price Levels by Currency that were set up in the Multi-Currency Inventory Management module.
- **Print Sales Orders and Invoices in Transaction or Base Currency:** You may print the Sales Orders and Invoices in either the Base or the actual Transaction Currency.
- **Print C.O.D. Labels in Entry or Base Currency:** You may print the C.O.D. Labels for the Invoices generated in either the Base or the Invoice Transaction Currency.
- **Registers in Base and Entry Currency:** For audit purposes, the Multi-Currency system prints Sales Order Registers in both the Transaction (Entry) Currencies and the Base Currency using the appropriate Exchange Rates.
- **Auto Generate Invoice Selection by Order Currency:** Generate the Invoices for sales Orders in a specific Transaction Currency.

- **Sales Order Inquiry in Entry Currency:** The Sales Order Inquiry program displays the Order Currency Code and Exchange Rate and allows the display of amounts in Base or Order Currency.
- **Print Reports in Any Currency:** Print any report in Base, Customer, Entry or Other Currency, using As Posted or Current Amounts, in Buy, Sell, or an Override Rate.

Reports

These reports are modified for the **Multi-Currency Sales Order Processing** module:

- Sale Order Printing
- Picking Sheet Printing
- Shipping Label Printing
- Daily Drop Ship Report
- Invoice Printing
- Label Printing
- Daily Sales Reports
- Daily Transaction Register
- Auto Generate Invoice Selection Listing
- Open Sales Order Report
- Open Orders by Item Report
- Open Orders by Promise Date Report
- Back Order Report
- Monthly Recap by Product Line
- Monthly Recap by Warehouse/Product
- Monthly Recap by Warehouse
- Monthly Recap by Division
- Customer Sales History Report
- Sales Order Recap
- General Posting Recap
- Customer Last Purchase Listing

Section B: Getting Started

CAUTION

- **If you reinstall or upgrade one of the MAS 90 modules listed in the following table, you must also reinstall this Enhancement.**
- Enhancements from different Master 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 Module	Module Required	Required Level
S/O	Y	3.74
ARMC	Y	3.74
GLMC	Y	3.74
IMMC	N	3.74
BRMC	If B/R is integrated	3.74
eBusiness	N	3.74

Installation

The following instructions are for installing to Windows. For UNIX instructions see the "INSTALL.HTM" HTML file on the CD-ROM (you can use a Windows machine to view it.) It will guide you in mounting the CD-ROM on the UNIX file system and running a UNIX installation script.

1. **Back-up:** Exit all MAS 90 / MAS 200 sessions. Back-up existing MAS 90 / MAS 200 data.
2. **Check Levels:** MAS 90 / MAS 200 module levels **must match** those listed above.
3. **Run Enhancement Setup Program:** Insert the installation CD-ROM. The installation will normally run automatically, otherwise, run SETUP.EXE on the CD-ROM. This can be run from the server or a workstation. Follow on-screen instructions. *If installing from an e-mail message or from a Web download, run the program sent to you (or downloaded). This will self-extract and run same Setup program.*
4. **Re-Start MAS 90 / MAS 200:** MAS 90 / MAS 200 will be updated.
5. **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 Normal, Demo and Web.

Normal Unlock: You will need to unlock the Enhancement by calling DSD during business hours (8am to 5pm PST) at **858-550-5900**.

Web Unlock: If the system that is running the DSD Enhancement *has web access* and you *have a DSD WebUnlock code*, can unlock the Enhancement without assistance using WebUnlock. When this option is selected, the window will change to show the WebUnlock entry section. Enter the WebUnlock code and click the Unlock button.

- *Entering a WebUnlock code will unlock all DSD Enhancements that have been licensed.*
- *The MAS 90 / MAS 200 system that is being used must have web access for this option to be available.*
- *You can get a WebUnlock Code from 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 access and/or an WebUnlock code. Later, you can unlock the product fully, during business hours.*

Note: You can also unlock a DSD Enhancement through the DSD Enhancement Control Panel window. This is accessed at the bottom of the Library Master Utility menu. 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.*

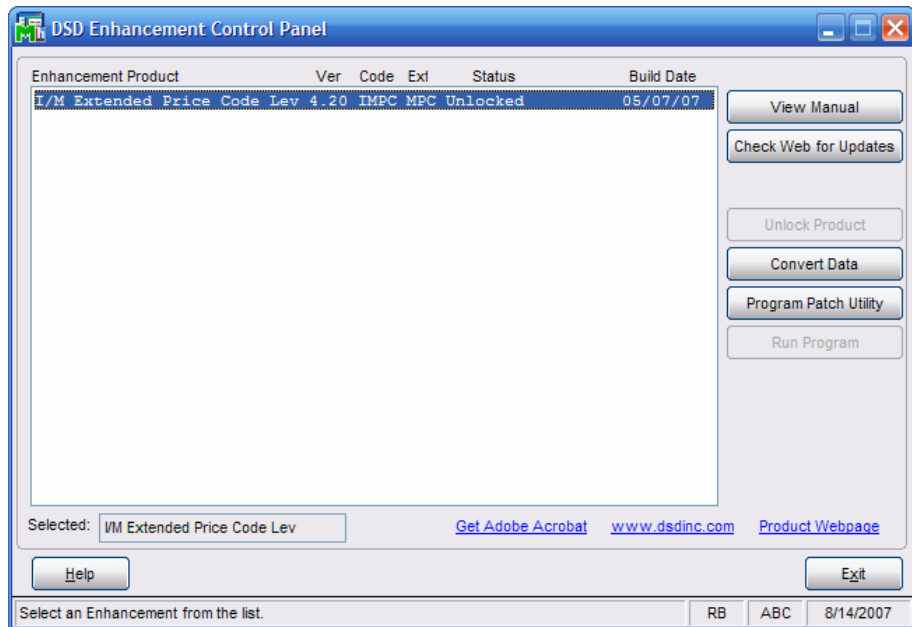
DSD Enhancement Control Panel

Starting with version 3.74, 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 / MAS 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 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 a web connection on the MAS 90 / MAS 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.*

Convert Data: After verification, the selected Enhancements data conversion program will run.

Program Patch Utility: Only use this option under the guidance of a DSD Enhancement Technician. That person will guide you in its use.

Run Program: This button is enabled for certain DSD Utility programs only.

Additional Controls

Help: The Help button, located at the bottom left of the window, opens an HTML help file similar to the above.

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

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

Section C: Setup

Initial Set-up

After data conversion, set-up IMMC. See other parts of this section for detail.

1. Set-up Foreign Price / Cost (if applicable).
2. Set-up Foreign Price Breaks (if applicable).

Conversion Notes

The system will designate the following values for each transaction converted from an existing **MAS 90** System:

1. Transaction Currency= Base Currency
2. Entry Date = Transaction Date
3. Entry Rate = 1
4. Entry Amount = Original Transaction Amount

Important: Follow the Multi-Currency Startup process for each module installed before entering Multi-Currency transactions.

Multi-Currency Sales Order Processing Setup

Data You Need

Before beginning the Multi-Currency Startup process, you should have the following information assembled and available for use:

- Customer Last Purchase information in Entry Currency.
- Master and Repeating Orders in their corresponding Entry Currencies.

A new **Currency Button** has been added to all Multi-Currency related screen prompts. Select this button access the new Multi-Currency fields via a pop-up panel.

Most screens have been modified to display on the bottom of the screen the Currency of amounts being displayed or entered.

Customer Last Purchase Maintenance

The Customer Last Purchase Maintenance panel displays information in **Transaction** Currency

A new **Currency Button** has been added to the panel. Select this button to access the **Multi-Currency Settings** screen to allow the entry and maintenance of customer purchase history Currency information:

Transaction Currency: Enter the Currency Code for this purchase. Select the **Lookup Button** to list all Currency Codes on file. This field will default to the Base Currency for new records.

Exchange Rate: Enter the Exchange Rate for this purchase.

Base Currency Price: This is for display only, and is calculated from the exchange rate field.

The **Rebuild Button** on the Main Panel has been modified to handle the Multi-Currency information when rebuilding.

Section D: System Operations

Sales Order Entry

The Sales Order Entry program has been modified to allow the entry of Sales Orders in Foreign Currencies using the appropriate Exchange Rate.

When a new Back Order, Master, Quote, Repeating, or Standard Sales Order is entered, the system displays the Customer's Default Entry Currency at the bottom of the panel. This is the currency for all amounts entered in the selected Sales Order. The Sales Order Exchange Rate will be the Exchange Rate as of the Sales Order date.

The Sales Order Entry Header Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:



Transaction Currency: Enter the Transaction Currency Code for the order. Select the Lookup Button to list all Currency Codes on file. The system will ask you for the Supervisor Password if one was set up in General Ledger.

If amounts have already been entered, and the currency is changed, then the order amounts remain the same and will be considered to be in the new currency.

This field will not be accessible if the **Allow Currency Change** flag is not checked for the Customer in Customer Maintenance.

Exchange Rate: Enter the Exchange Rate for the order. The rate will default to the exchange rate found in Currency Code Maintenance for the Order Date. If the default exchange rate is overridden, then the order amounts remain the same and will be converted to Base Currency when posting to General Ledger using the new Exchange Rate.

The system will ask you for the Supervisor Password if one was set up in General Ledger. This field will not be accessible if the **Allow Rate Change** flag is not checked for the Customer in Customer Maintenance.

Credit Information

The Credit Information screen has been modified to allow display of amounts in Base, Historical, or Order Currency.

Customer Credit History

Customer No. 01-ABF American Business Futures
 Salesperson 0100 Jim Kentley

Credit Limit	A/R Balance	Open Order	This Order	Remaining
1123,456.78	8,172.47	.00	148.24	1115,136.07

Current	30 Days	60 Days	90 Days	120 Days
5,278.80	95.49	1,373.52	954.94	469.72

Avg Days Pay/Overdue 004 / 000
 Date Last Statement 06/30/03
 Date Established 01/01/02
 Highest Balance 8,172.47
 Last Activity Date 06/30/03
 Date Last Finance Charge 06/30/03
 Last Payment Date 05/31/03
 Unpaid Finance Charge .00
 Last Payment Amount .00

Amounts In: Order Currency (selected)
 Order Currency

OK ?

Sales Order Line Entry

The Sales Order Line Entry programs have been modified to calculate and display the Item Prices in the Sales Order Entry Currency.

You may use Foreign Prices and Foreign Price Levels as established through the Multi-Currency Inventory Module.

NOTE: The IMMC module is not required, but is needed to use Foreign Pricing.

If you do use the IMMC module for Foreign Pricing, then the Item Price Lookup panel, accessed from the Sales Order Lines Panel, will display Item Pricing in the Order Currency.

Item No. 1001-HON-H252 HON 2 DRAWER LETTER FILE W/O LK

Price Level Sale Starting Date

Pricing Method Sale Ending Date

Std Cost Std Price Sale Price

Order Qty U/M Unit Price Extension

Step	From Qty	To Qty	% Markup	Unit Price
1	1	20	1.000	50.500
2	21	999,999	.500	50.250
3				
4				
5				

Display Currency

Item Price Precedence

The system will consider the following order to determine the correct Item Price:

1. Foreign Price + Customer + Price Level
2. Foreign Price + Price Level
3. Foreign Price
4. Base Currency Price + Customer + Price Level
5. Base Currency Price + Price Level
6. Base Currency Price

For cases 4, 5 and 6 the system will calculate the Foreign Price by converting the Base Currency Price using the Sales Order Exchange Rate.

The Sales Price is calculated as follows:

When the Sales Promotion Discount Method is **Sales Price**, the system will display the Base Currency Sales Price for Sales Orders in Base Currency.

For Sales Orders in a Foreign Currency where a Foreign Price is set up, the Base Currency Sales Price will be displayed but will not be used.

For Sales Orders in a Foreign Currency where a Foreign Price is not set up, the Foreign Sales Price will be displayed. This price will be calculated by multiplying the Base Currency Sale Price multiplied by the Sales Order Exchange Rate.

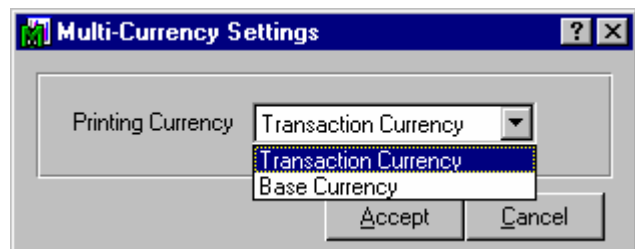
When the Sales Promotion Discount Method is **Price Discount**, the system will calculate the Base Currency or Foreign Sales Price by applying the percentage discount to the Base Currency or Foreign Price.

NOTE: Please refer to the Multi-Currency Inventory Management module for an explanation of Foreign Prices and Levels.

Sales Order Printing – Non Graphical Forms

The Sales Order Printing and Quick Print programs have been modified to allow the Sales Order to be printed in Transaction or Base Currency. The Sales Order Printing Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:

Printing Currency: Select **Transaction Currency** if you want to print the selected Sales Orders in Transaction Currency. Select **Base Currency** if you want to print them in Base Currency.



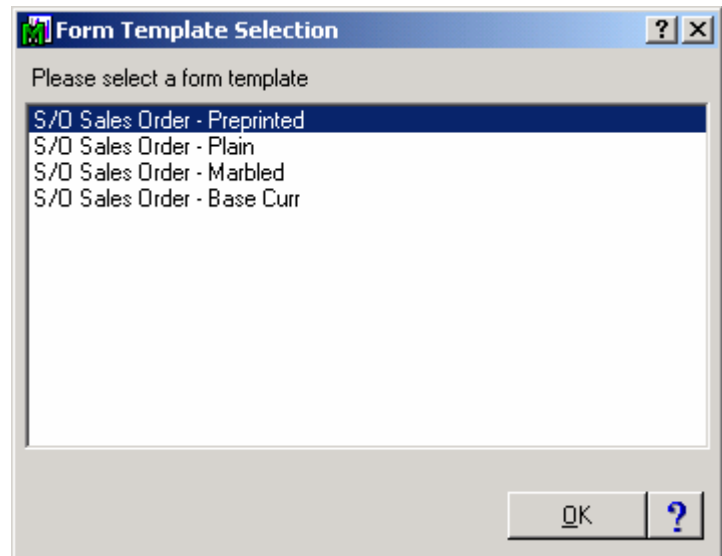
The following fields have been added to the Sales Order Printing Form. Please see **the next section** if you are using Graphical forms printing.

- #CURRENCY CODE
- #CURRENCY PLURAL
- #CURRENCY SYMBOL
- #EXCHANGE RATE
- #INVERSE EXCHANGE RATE

Sales Order Printing – Crystal Graphical Forms

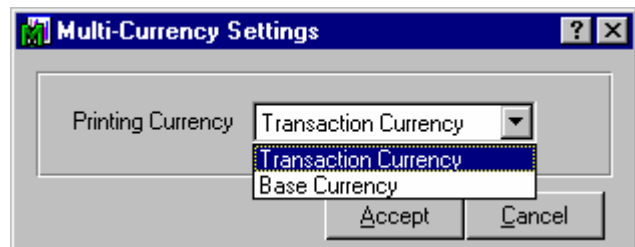
When using Crystal Graphical Forms, a new form template has been added: **Base Currency** (see right).

The Base Currency Template prints all transactions in Base Currency. **All other form templates will print in Transaction Currency.**



The Sales Order Printing and Quick Print programs have been modified to allow the Sales Order to be printed in Transaction or Base Currency. The Sales Order Printing Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:

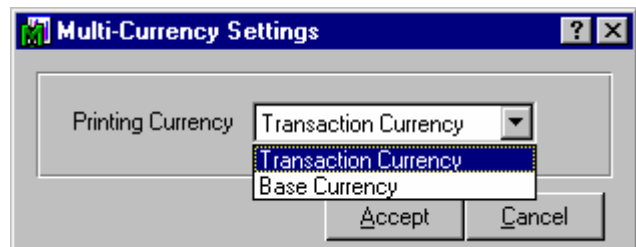
Printing Currency: Select **Transaction Currency** if you want to print the selected Sales Orders in Transaction Currency. Select **Base Currency** if you want to print them in Base Currency.



Picking Sheet Printing

The Picking Sheet Printing program has been modified to print in Transaction or Base Currency. The Picking Sheet Printing Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:

Printing Currency: Select **Transaction Currency** if you want to print the selected Sales Orders in Transaction Currency. Select **Base Currency** if you want to print them in Base Currency.



The following fields have been added to the Picking Sheet Printing Form. Please see **Section E: Crystal Forms** if you are using Graphical forms printing.

#CURRENCY CODE
#CURRENCY PLURAL
#CURRENCY SYMBOL
#EXCHANGE RATE
#INVERSE EXCHANGE RATE

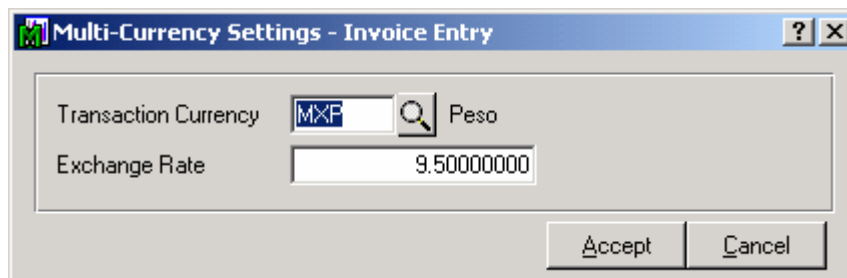
Invoice Data Entry

The Invoice Data Entry program has been modified to allow the entry of Invoices, Credit and Debit Memos in Foreign Currencies using the appropriate Exchange Rate. When an Invoice entered makes reference to a Sales Order, the Transaction Currency of the Sales Order will be used and may not be modified. The Invoice Exchange Rate will be the Exchange Rate as of the Invoice date.

When an Invoice entered does not make reference to a Sales Order, the system displays the Customer's Default Entry Currency at the bottom of the screen. This is the currency for all amounts entered. The Invoice Exchange Rate will be the Exchange Rate as of the Invoice date.

When a Credit or Debit Memo entered makes reference to an existing Invoice, the Transaction Currency and Exchange Rate will default to those of the referenced Invoice and may not be modified. When a Credit or Debit Memo entered does not make reference to an existing Invoice, the system displays the Customer's Default Entry Currency at the bottom of the screen. This is the currency for all amounts entered. The Credit/Debit Memo Exchange Rate will be the Exchange Rate as of the Invoice date.

The Invoice Entry Header Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** window:



Transaction Currency: Enter the Transaction Currency Code for the invoice. Select the Lookup Button to list all Currency Codes on file. The system will ask you for the Supervisor Password if one was set up in General Ledger.

If amounts have already been entered, and the currency is changed, then the invoice amounts remain the same and will be considered to be in the new currency.

This field will not be accessible if the **Allow Currency Change** flag is not checked for the Customer in Customer Maintenance.

Exchange Rate: Enter the Exchange Rate for the invoice. The rate will default to the exchange rate found in Currency Code Maintenance for the Invoice Date. If the default exchange rate is overridden, then the invoice amounts remain the same and will be converted to Base Currency when posting to General Ledger using the new Exchange Rate.

The system will ask you for the Supervisor Password if one was set up in General Ledger. This field will not be accessible if the **Allow Rate Change** flag is not checked for the Customer in Customer Maintenance.

Credit Information

The Credit Information screen has been modified to allow display of amounts in Base, Historical, or Invoice Currency.

Customer Credit History

Customer No. 01-JON Peso Vendor
Salesperson 0100 Jim Kentley

Credit Limit	A/R Balance	Open Order	This Invoice	Over By
.00	9,431.64	571.77	106.00	10,109.41

Current	30 Days	60 Days	90 Days	120 Days
9,431.64	.00	.00	.00	.00

Avg Days Pay/Overdue 001 / 001 Date Last Statement 06/30/03
Date Established 06/30/03 Highest Balance 10,296.66
Last Activity Date 07/01/03
Last Payment Date 07/01/03 Date Last Finance Charge
Last Payment Amount 432.51 Unpaid Finance Charge .00

Amounts In Invoice Currency

OK ?

Invoice Line Entry

The Invoice Line Entry programs have been modified to calculate and display the Item Prices in the Invoice Entry Currency.

You may use Foreign Prices and Foreign Price Levels as established through the Multi-Currency Inventory Module.

Item No. 1001-HON-H252 HON 2 DRAWER LETTER FLE W/O LK

Price Level Custom Pricing for this Customer Sale Starting Date

Pricing Method Sale Ending Date

Std Cost Std Price Sale Price

Order Qty U/M Unit Price Extension

Step	From Qty	To Qty	% Markup	Unit Price
1	1	20	1.000	50.500
2	21	999,999	.500	50.250
3				
4				
5				

Display Currency

Note: The IMMC module is not required, but is needed to use Foreign Pricing.

If you do use the IMMC module for Foreign Pricing, then the Item Price Lookup panel, accessed from the Invoice Lines Panel, will display Item Pricing in the Invoice Currency.

Item Price Precedence

The system will consider the following order to determine the correct Item Price:

1. Foreign Price + Customer + Price Level
2. Foreign Price + Price Level
3. Foreign Price
4. Base Currency Price + Customer + Price Level
5. Base Currency Price + Price Level
6. Base Currency Price

For cases 4, 5 and 6 the system will calculate the Foreign Price by converting the Base Currency Price using the Invoice Exchange Rate.

The Sales Price is calculated as follows:

When the Sales Promotion Discount Method is **Sale Price**, the system will display the Base Currency Sales Price for the Invoice in Base Currency.

For Invoices in a Foreign Currency where a Foreign Price is set up, the Base Currency Sale Price will be displayed but will not be used.

For Invoices in a Foreign Currency where a Foreign Price is not set up, the Foreign Sales Price will be displayed. This price will be calculated by multiplying the Base Currency Sales Price multiplied by the Invoice Exchange Rate.

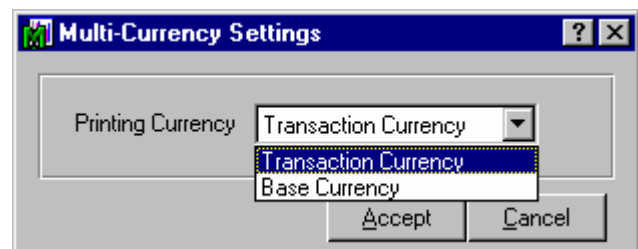
When the Sales Promotion Discount Method is **Price Discount**, the system will calculate the Base Currency or Foreign Price by applying the percentage discount to the Base Currency or Foreign Price.

NOTE: Please refer to the *Multi-Currency Inventory Management* module for an explanation of Foreign Prices and Levels.

Invoice Printing

The Invoice Printing and Quick Print programs have been modified to allow the Invoice to be printed in Transaction or Base Currency. The Invoice Printing Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:

Printing Currency: Select **Transaction Currency** if you want to print the selected Invoices in Transaction Currency. Select **Base Currency** if you want to print them in Base Currency.



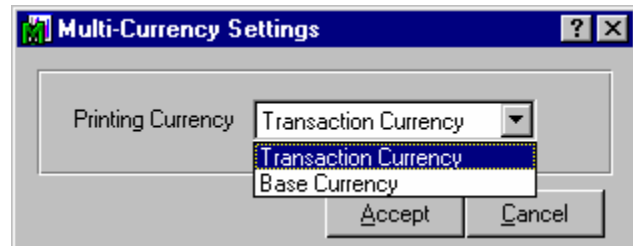
If you are using non-Graphical Printing, the following fields have been added to the Invoice Printing Form.

#CUSTOMER COUNTRY
 #SHIP-TO COUNTRY
 #CURRENCY CODE
 #CURRENCY PLURAL
 #CURRENCY SYMBOL
 #EXCHANGE RATE
 #INVERSE EXCHANGE RATE

COD Label Printing

The COD Label Printing program has been modified to print in Transaction or Base Currency. The COD Label Printing Panel has been modified to include a new **Currency Button**. Select this button to access the **Multi-Currency Settings** screen:

Printing Currency: Select **Transaction Currency** if you want to print the selected Invoices in Transaction Currency. Select **Base Currency** if you want to print them in Base Currency.



If you are using non-Graphical Printing, the following fields have been added to the Picking Sheet Printing Form.

#CURRENCY CODE
 #CURRENCY PLURAL
 #CURRENCY SYMBOL

Daily Sales Reports/Updates

The Sales Journal, Gross Profit Report, Daily Back Order Report and Daily Sales Recap Reports may be printed in both Base Currency and Transaction Currency. The Reports that are printed in Transaction Currency will not print Division or Report Totals.

The Sales Journal Update has been modified to perform all the appropriate currency conversions. Amounts posted to the Inventory module will be in Base Currency. Amounts posted to the Sales Order, Accounts Receivable and General Ledger modules will be in both Base and Transaction Currency.

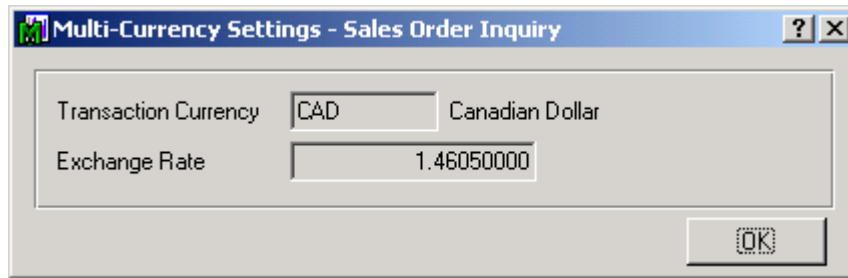
Auto Generate Invoice Selection

The Auto Generate Invoice Selection program has been modified to generate invoices in the currency of the source Sales Order.

Sales Order Inquiry

The Sales Order Inquiry programs have been modified to allow display of information in both **Base Currency** and **Transaction Currency**. The Lines and Totals Panel has been modified to include an **Amounts In Drop Box** to toggle display of these amounts.

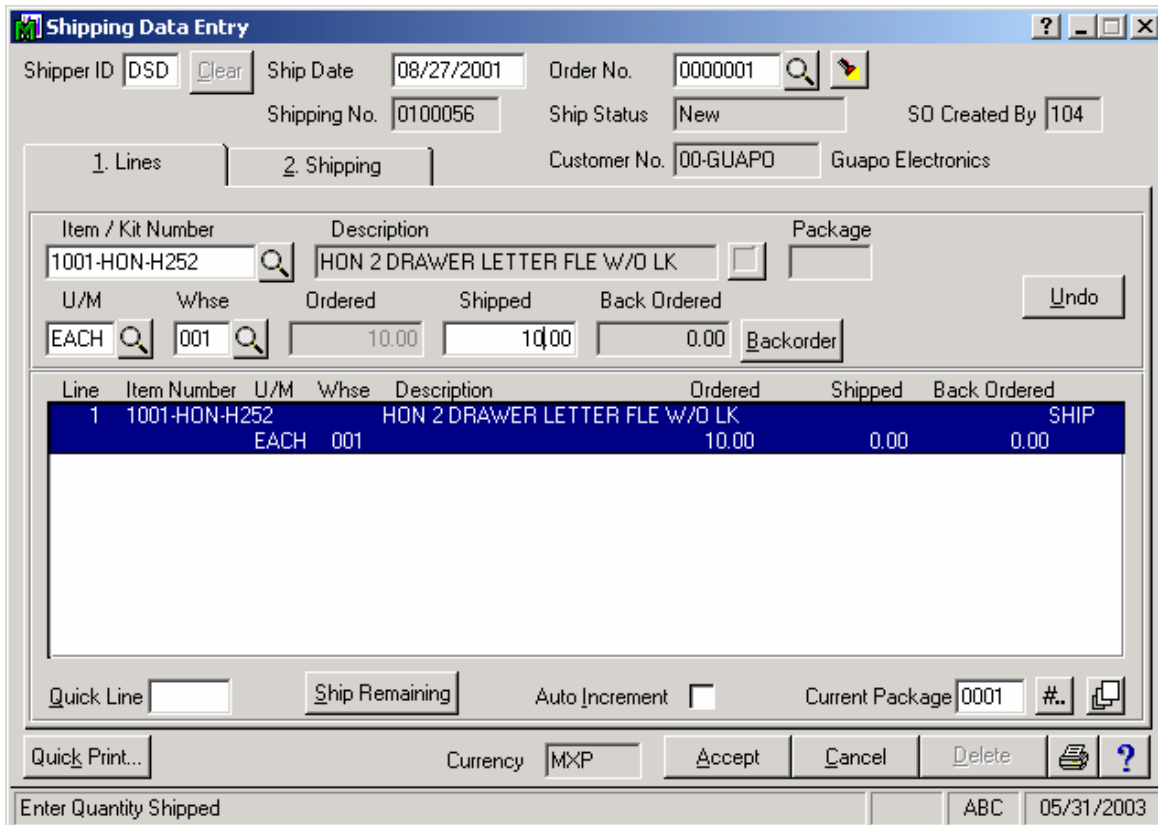
The Header Panel has also been modified to include a **Currency Button**. Select this button to access the **Currency Code** and **Exchange Rate** of the transaction.



The Currency of the Transaction is displayed at the bottom of the Sales Order Inquiry Panel.

Shipping Data Entry

The Shipping Data Entry programs have been modified to create the invoice in the currency of the Sales Order. The data entry panel has been modified to display the Currency Code of the Order/Invoice at the bottom of the panel.



Currency Code: The Invoice Currency Code will be the Currency Code from The Sales Order. The Currency Code is displayed at the bottom of the Shipping Data Entry panel and may not be changed.

Exchange Rate: The Invoice Exchange Rate will be the Exchange Rate as of the Invoice date. This cannot be changed in Shipping Data Entry, and it is not available for display or maintenance in Shipping Data Entry. The Invoice Exchange Rate may be overridden in Invoice Data Entry after the Shipping Data Entry is complete.

Freight Amount: The Freight Amount on the Shipping Panel is maintained in Transaction Currency. This freight amount is written back to the invoice in Invoice Data Entry. The Currency Code is displayed to the right of the Freight Amount field to remind the data entry user to enter the amount in Transaction Currency.

Total Invoice Amount: The Total Invoice Amount on the Shipping Panel is displayed in Transaction Currency.

Shipping Data Entry

Shipper ID Ship Date Order No.

Shipping No. Ship Status SO Created By

1. Lines | 2. Shipping | Customer No. Guapo Electronics

Terms Code No Terms

Confirm To

Comment

Whse EAST WAREHOUSE

No. of COD Labels Cash Only

FOB

Ship Via

Ship Zone No. of Ship Labels

Ship Weight No. of Pkgs

Freight Amount MXP

Ship To Address

Ship To Address

Name

Address

ZIP Code

City State

Country

Quick Print... Currency

ABC 05/31/2003

Daily Shipment Report

The Daily Shipment Report programs have been modified to print the Currency Code of the transaction.

Shipping History Inquiry

The Shipping History Inquiry programs have been modified to display the Currency Code of the transaction at the bottom of the panel. The Freight Amount and Total Invoice Amount fields are displayed in Transaction Currency.

Shipping History Report

The Shipping History Report programs have been modified to print the Currency Code of the transaction.

Section E: Reports

Standard Reports

When printing any Sales Order Reports, you may define the Currency and Exchange Rate to use. A new **Currency Button** has been added to the Report Panel, and when selected, the following screen will be displayed (This screen will vary slightly depending on the report being printed and the options entered):

Currency Range: Enter a range of Currencies for a specific group of transactions. Select the **Lookup** Button to list all Currencies on file. This field will be displayed only for reports that print amounts from individual transactions.

Printing Currency: Select **Entry** for Transaction Currency, **Base** for Base Currency, **Customer** for Customer Currency, **Other** for Other Currency, or **Rate Override** for Override Rate.

Currency Code: Enter the Currency Code in which to print all amounts. This field will be displayed only if you selected **Other** as the **Printing Currency** option.

Printing Amounts: Select **As Posted** to import all amounts As Posted or **Override Date** to convert amounts using an Exchange Rate as of an Override Date. This field will be displayed only if you selected **Other** as the **Printing Currency**.

Override Date: Enter a date using the MMDDYY format to import amounts converted to the Printing Currency using the Exchange Rate as of this date. This field will be displayed only if you selected **Override Date** as the **Printing Amounts**.

Rate Type: Select **Buy Rate** or **Sell Rate**. This field will be displayed only if you selected **Override Date** as the **Printing Amounts**.

Override Rate: Enter a Rate to be used when exporting amounts. This field will be displayed only if you selected **Rate Override** as the **Printing Currency**.

Section F: Crystal Reports

Data Dictionaries

The following Multi-Currency Data Dictionaries have been modified for use in Crystal Reports.

NOTE: DSD Business Systems is not responsible for any problems with use of Crystal Reports. DSD is only responsible for providing the Data Dictionaries to report from.

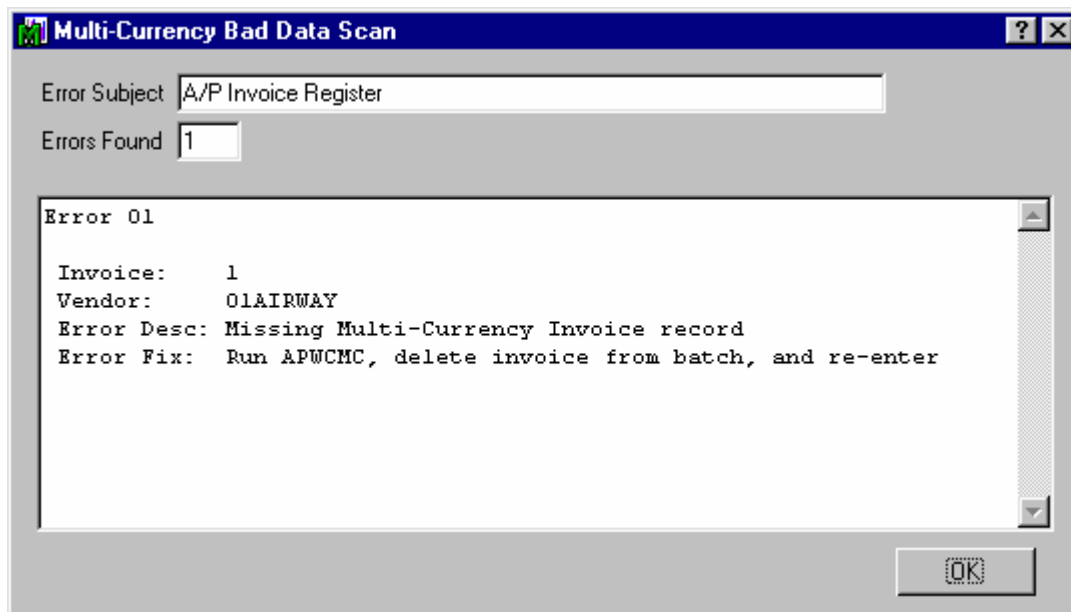
Since all S/O files store amounts in Entry Currency, the Currency Code and Exchange Rate have been added to the following Crystal Data Dictionaries:

- S01_SOEntryHeader
- S05_InvoiceDataEntryHeader
- S06_InvoiceDataEntryDetail
- SON_SalesOrderRecap
- SOP_SalesOrderAutoGenBatch
- SOQ_CustLastPurchaseHistory
- SO_03SOHistoryHeader
- SO_26CRWInvoiceDataHeader
- SO_27CRWSalesOrderHeader

Section G: Troubleshooting

Each of the Data Entry Registers has been enhanced to perform a “Bad Data Scan” prior to register printing. This scan will check the data entry files and associated master files and determine if there are any problems. The purpose of this feature is to eliminate errors that can occur during the data entry registers or updates that are caused by corrupt or missing data.

The following is a sample of a Bad Data Scan Screen that may pop-up when a register is run. In this example, the A/P Invoice Register was run and it found that a currency record was missing:



The Bad Data Scan panel displays the record information, the error description, and the solution to fixing the error. If Batch Processing is used, the Batch Number will also be displayed. If there are multiple errors found in the same batch, then all of the errors will be displayed on the panel and you can then scroll up/down to review all errors.

When the **OK** button is pressed, the panel will close and you will be back at the MAS90 menu. The register will **not** print.

If no errors are found, then the Bad Data Scan panel will **not** be displayed, and the register will print as normal.

In Sales Order, the following errors are possible due to missing or corrupt data. Also presented are the solutions to fixing the errors:

- Error:** Missing Multi-Currency Invoice record
Solution: Run SOWCMC, deleted the invoice from the batch, and re-enter
- Error:** Exchange Rate is set to Zero
Solution: Delete invoice from batch –OR- reset the exchange rate in data entry
- Error:** Invalid or missing Currency Code on Invoice Record
Solution: Check Currency Code on invoice record
- Error:** Missing MC Customer record
Solution: Run ARWCMC
- Error:** Invalid or missing Currency Code on Customer record
Solution: Check Currency Panel in Customer Maintenance
- Error:** Missing MC Line record
Solution: Deleted invoice from the batch, and re-enter

If the solution is to **Run SOWCMC**, then select “**File / Run**” from the MAS90 Launcher menu and enter “**SOWCMC**” for the Program Name. Click **OK** to proceed. This will trigger the DSD Multi-Currency Conversion Wizard for that Multi-Currency module. Click the **Next** button to start the conversion.

You might ask: “Why would data be corrupt?” There are 2 types of problems that can occur with data entry:

Bad Data: Sometimes a user will be entering information into data entry, and for whatever reason, the system hangs or reboots, thus causing incomplete or corrupt data to be saved. This problem occurs more frequently with users on a WAN. If the user doesn’t delete the data entry in progress and re-do it, then the register or update will usually cause errors.

Missing Customer/Vendor Data: If a Vendor/Customer record has missing Currency Codes, then the update programs will cause errors.

If you are experiencing recurring data problems with the Multi-Currency modules, please contact DSD Business Systems immediately for consultation.

Section H: VI Imports

The VI Import programs have been modified to **automatically** create data entry in the Customer's Default Entry Currency. Prior to 3.70, DSD Perform Logic needed to be added to the import's Perform Section. This is no longer needed.

Section I: What's New?

Version 3.50

1. A new “**Post to G/L in Entry**” flag has been added to **Division Maintenance** in Accounts Receivable. Please refer to **Section H** of the **A/R Multi-Currency manual** for a detailed explanation of this new feature.
2. The Currency Code has been added to the **ALE Lookups** for Customer and transaction lookups.
3. All S/O reports default to print in **Entry Currency, As Posted** instead of **Base Currency**.
4. The new credit card features in A/R and S/O are Multi-Currency compliant.

Version 3.51

There have been 2 changes in the 3.51 versions of Multi-Currency:

1. A new dropbox has been added to the G/L Multi-Currency Options panel called “**Default Currency for Reports.**” You may now select subsidiary (non-G/L) reports to default to **Base Currency** or **Entry Currency**.
2. A new checkbox has been added to the G/L Multi-Currency Options panel called “**Print Report Totals when printing in Entry Currency.**” Select this checkbox if you want to print report totals when printing in Entry Currency. Please note that if you print in Entry Currency and there are multiple currencies being reported, that the totals will be useless.

Note: The G/L Multi-Currency Options panel is accessible from G/L Options Main Panel by selecting the **Currency Button**.

Version 3.60

The 3.60 version has been modified to handle currency conversions in the new Shipping Data Entry. Please refer to the Shipping Data Entry section of this manual for a detailed description of the changes.

Also, the DSD Sales Order RMA Enhancement has been added to Multi-Currency.

Version 3.61

1. The Sales Journal has been modified to print totals in entry currency if the “Print Report Totals when printing in Entry Currency” flag in GL Options is checked.
2. The **SO_26CRWSalesInvoiceDataHeader** and **SO_27CRWSalesOrderHeader** dictionaries have been modified to include the Currency Code field of the order / invoice for use in Order Printing and Invoice Printing in Crystal.

Version 3.70

There have been some significant changes in this version of S/O Multi-Currency:

3. The A/R and S/O Multi-Currency file structures has been revamped. Please refer to the **Version 3.70 – Technical** subsection of this section for a detailed explanation.
4. The new Sales Order Batch Authorization program has been enhanced to do authorizations in Base Currency.
5. Order Printing in Graphical Forms has been enhanced to have a new template: Base Currency. The old Entry Currency Template will no longer be used.
6. The VI Import programs have been modified to **automatically** create data entry in the Customer’s Default Entry Currency. Prior to 3.70, DSD Perform Logic needed to be added to the import’s Perform Section. This is no longer needed.

Version 3.70 - Technical

The pre-3.70 versions of Multi Currency A/R and S/O used a “piggyback” file system for the Multi-Currency Data.

For example, the SO1 Order Entry file stored amounts in **Base Currency** and the SO_M1 Multi-Currency Order Entry file stored the amounts in **Entry Currency**, along with the **Currency Code** and **Exchange Rate**.

The problems associated with this file structure are:

1. Problems arise in synchronization of the data files,
2. Increased I/O,
3. Difficulty in importing using Visual Integrator.

The 3.70 version of ARMC and SOMC no longer use this file structure, but instead store the data in the main MAS90 files (SO1 for example) in **Entry Currency**, and therefore the Multi-Currency piggyback files (SO_M1 for example) are no longer needed. The **Currency Code** and the **Exchange Rate** are also now stored in the main MAS90 files.

The only exception is the Customer Masterfile (AR1). The 3.70 version of Multi-Currency still uses the Multi-Currency Customer (AR_M1) piggyback file to store all historical data in the Customer's Historical Currency.

The benefits of this change are:

1. No more problems with synchronization,
2. Increase in speed,
3. Easier use of Visual Integrator,
4. Easier use and better speed for the SQL version of Multi-Currency.

The drawbacks of this change are:

1. If you have any existing **Crystal Reports**, **Report Master Reports**, or **Visual Integrator Imports** that use the old Multi-Currency piggyback files, you will have to change those reports/imports.

Please contact DSD Business Systems if you need any support regarding these drawbacks.

Version 3.71

1. S/O Multi-Currency is now SQL-compatible.
2. A new section has been added to the User Manual: **Appendix A**.

Appendix A: M*A*S 90/200 Program & File Changes

The following M*A*S 90/200 Programs are modified or added by S/O Multi-Currency:

SOWCAA	SOWDBQ	SOWISA.LIB	SOWRAA.LIB	SOWRWA
SOWCAB	SOWDCA	SOWISB	SOWRAB	SOWRWB
SOWCMC	SOWDDA	SOWISC	SOWRBA	SOWRXA
SOWDAA	SOWDDB	SOWISG	SOWRBB	SOWRXB
SOWDAA.LIB	SOWDEA	SOWJAA	SOWREA	SOWRZA
SOWDAB	SOWDEA.LIB	SOWJAB	SOWREA.LIB	SOWRZB
SOWDAD	SOWDEB	SOWJAC	SOWREB	SOWSAA
SOWDAE	SOWDED	SOWJAD	SOWRFA	SOWSDA
SOWDAH	SOWDEE	SOWJAE	SOWRFA.LIB	SOWSDA.LIB
SOWDAI	SOWDEH	SOWJAF	SOWRFB	SOWUAA
SOWDAJ	SOWDEJ	SOWJAG	SOWRGA	SOWUAB
SOWDAK	SOWDEK	SOWJAH	SOWRGA.LIB	SOWUAC
SOWDAM	SOWDEQ	SOWJAI	SOWRGB	SOWUAD
SOWDAO	SOWFAA	SOWJAJ	SOWRHA	SOWUAE
SOWDAQ	SOWFAA.LIB	SOWJAK	SOWRHB	SOWUBA
SOWDAS	SOWFAB	SOWJAL	SOWRIA	SOWUCA
SOWDBA	SOWFEA	SOWJAM	SOWRIA.LIB	SOWUDA
SOWDBA.LIB	SOWFEA.LIB	SOWJAN	SOWRIB	SOWVIP
SOWDBB	SOWFEB	SOWJAO	SOWRPA	SOZCAA.MSO
SOWDBD	SOWIAA	SOWMBA	SOWRPB	
SOWDBE	SOWIAA.LIB	SOWMBA.LIB	SOWRQA	ITWUBA
SOWDBH	SOWIAB	SOWPAA	SOWRQA.LIB	IWWUBA
SOWDBJ	SOWIAD	SOWQAA	SOWRQB	
SOWDBK	SOWIBA	SOWQBA	SOWRRA	
SOWDBM	SOWIBA.LIB	SOWQEA	SOWRRA.LIB	
SOWDBO	SOWISA	SOWRAA	SOWRRB	

The following M*A*S 90/200 Data Files are modified or added by S/O Multi-Currency:

S00	S06	S0Q	SO_27
S01	SON	SO_03	SO_37
S05	SOP	SO_26	SO_38

License Agreement

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. **LICENSE. DSD BUSINESS SYSTEMS, INC.,** a California corporation as Licensor and owner hereby agrees to grant you as Licensee a non-exclusive license to use the enclosed software subject to the terms and restrictions set forth in this License Agreement. Title in and ownership of all programs and program enhancements or modifications written by DSD Business Systems, Inc. shall remain at all times vested in DSD Business Systems, Inc. The right granted by this Customer License Agreement and your payment of the non-refundable License fee is the right to use the Program in accordance with the terms of this Customer License Agreement. Delivery of a copy of the Program to you is made solely to enable you to exercise this right.
2. **COPYRIGHT.** This Program is copyrighted and all rights are reserved by DSD BUSINESS SYSTEMS, INC. and SAGE, INC. You may not copy or reproduce any part of the Program except to copy the Program for backup purposes. If you make a backup copy you must reproduce and include the copyright notice on it. The distribution of the product is intended for the use of the original Licensee only and for use only on the computer systems specified. Lawful users of this Program are hereby licensed only to read the Program from its medium into the memory of a computer only for the purpose of executing the program.

The documentation is also copyrighted and all rights are reserved. This document may not, in whole or in part, be copied, photocopied, reproduced, translated, transmitted or reduced to any electronic medium of machine readable form without prior consent, in writing, from DSD BUSINESS SYSTEMS, INC.

The Licensee recognizes that DSD BUSINESS SYSTEMS, INC. has expended considerable time, effort and money to develop the licensed Software and Manual and that DSD BUSINESS SYSTEMS, INC. will be substantially damaged by its unauthorized use, sale or distribution. In addition to recovery of all damages and the obtaining of injunctive relief as provided by law, in the event legal action must be taken to enforce this provision, the Licensee will pay DSD BUSINESS SYSTEMS, INC. all reasonable legal fees incurred in enforcing the rights of DSD BUSINESS SYSTEMS, INC. under this provision.

3. **RESTRICTIONS ON USE AND TRANSFER.** The original and any backup copies of the Program and its documentation are to be used only in connection with a single computer or network fileserver. You may physically transfer the Program from one computer to another, provided that the Program is used in connection with only one computer or network fileserver at a time. You may not distribute copies of the Program Documentation to others. The Program is to be used exclusively for business purposes and not for personal, family or household use. YOU MAY NOT USE, COPY, MODIFY, OR TRANSFER THE PROGRAM, IN WHOLE OR IN PART, EXCEPT AS EXPRESSLY PROVIDED FOR IN THIS LICENSE AGREEMENT. IN ADDITION YOU MAY NOT MODIFY, ADAPT, TRANSLATE, REVERSE ENGINEER, DECOMPILE, DISASSEMBLE THE PROGRAM, OR CREATE ANY DERIVATIVE WORK BASED UPON THE PROGRAM.
4. **WARRANTY.** DSD BUSINESS SYSTEMS, INC. software is licensed "as is" with no warranties of any kind, either expressed or implied, other than the following: DSD BUSINESS SYSTEMS will repair any bugs or flaws found in the software. Flaws of a critical nature which affect the basic functionality of the software will be repaired on an "emergency" basis, with a corrected distribution diskette sent via UPS Blue or equal. Flaws of a non-critical or cosmetic nature will be repaired on a timely basis, and a corrected distribution diskette sent via UPS ground or regular mail. All incidental or consequential damages that result from any defect in the software, even if DSD Business Systems, Inc. has been advised of the possibility of such damages will be assumed by you.

5. **LIMITED WARRANTY FOR DISKETTES.** To the original licensee only, DSD BUSINESS SYSTEMS, INC. warrants the magnetic diskette on which the Program is recorded to be free from defects in materials and faulty workmanship under normal use and service for a period of ninety days from the date the Program is delivered. Any implied warranties of merchantability and fitness for a particular purpose are limited in duration to the period of ninety (90) days from the date of delivery. If, during this 90 day period, a defect in the diskette should occur, the diskette may be returned DSD BUSINESS SYSTEMS, INC., 5120 Shoreham Place, Suite 280, San Diego, California, 92122, or to any authorized DSD BUSINESS SYSTEMS, INC. Dealer, and the diskette will be replaced without charge to you, provided that you have previously returned the Warranty Registration Card along with a copy of your sales receipt for the Program.
6. **NO OTHER WARRANTIES.** No dealer or distributor of DSD BUSINESS SYSTEMS, INC. products or any agent of DSD BUSINESS SYSTEMS, INC. is authorized to make any representation of warranty with respect to the Program except those expressly stated in the Customer License Agreement.
7. **LIMITATION OF LIABILITY.** Neither DSD BUSINESS SYSTEMS, INC. nor anyone else who has been involved in the creation, production or delivery of this program shall be liable for any direct, incidental or consequential damages.
8. **TERM.** This license is effective until terminated. You may terminate it at any time by returning the Program and Documentation together with all copies, modifications and merged portions in any form to DSD BUSINESS SYSTEMS, INC. The license will also be terminated by DSD BUSINESS SYSTEMS, INC. immediately and without notice if you fail to comply with any term or condition of this License Agreement.
9. **ACKNOWLEDGMENT.** Your opening this package, use of this program or signature on the warranty registration card acknowledges that you have read this customer license agreement and agree to its terms. You further agree that the license agreement is the complete and exclusive statement of the agreement between yourself and DSD BUSINESS SYSTEMS, INC. and supersedes any proposal or prior agreement, oral or written, and any other communications between yourself and DSD BUSINESS SYSTEMS, INC or dealers and distributors of DSD BUSINESS SYSTEMS, INC products relating to the subject matter of this agreement.
10. **ASSIGNMENT.** You may not sublicense this license or the Program. You may not rent this Program or the use of the Program. You may not transfer this copy of the Program unless the recipient agrees in writing (and a copy of such acceptance is sent to DSD BUSINESS SYSTEMS, INC., 5120 Shoreham Place, Suite 280, San Diego, California, 92122) to accept all of the terms of this Customer License Agreement. Any attempt by you to otherwise rent, sublicense, assign or transfer any of the rights, duties or obligation hereunder is void and may be the cause for immediate termination of the license. DSD BUSINESS SYSTEMS, INC. may assign any of its rights and obligation under this agreement to any party without notice to you.

Fax Transmittal Form

To:	<i>DSD Business Systems Customer Service</i>		Fax:	<i>858/550-4900</i>
From:	Name:		Phone:	
	Company:		Fax:	
Date:	/ /	# Pgs Including this Page:		
Subject:	Check One: <input type="checkbox"/> Product Problem <input type="checkbox"/> Suggestions			
Product:	<i>SOMC Sales Order Multi-Currency</i>		Version:	<i>3.74</i>

This page may be copied