ISS
45

Release Notes & What's New

ISS45 8.1.8.1-050

ISS45 Release Notes

Date of Issue	Product ID Num.	Part Number	Brief Description
January 2005	45001/081	89000195	Initial Release
Other Releases: 89000233, 89000263, 89000263, 89000308, 89000308, 89000401, 89000417, 89000416, 89000480, 89000490, 89000508, 89000521, 89000532, 89000547, 89000573, 89000583, 89000587, 89000590, 89000613, 89000641, 89000658, 89000683, 89000692, 89000693, 89000712, 89000720, 89000734, 89000737, 89000740, 89000747, 89000748, 89000758, 89000767, 89000782, 89000791, 89000792, 89000793, 89000794			
December 2013	45001/081	89000796	8.1.7.0-090 Release
May 2014	45001/081	89000812	8.1.7.0-120 Release
October 2014	45001/081	89000815	8.1.7.0-150 Release
February 2015	45001/081	89000822	8.1.7.0-160 Release
March 2015	45001/081	89000825	8.1.7.0-170 Release
June 2015	45001/081	89000833	8.1.8.0-050 Release
June 2015	45001/081	89000854	8.1.7.0-190 Release
September 2015	45001/081	89000861	8.1.8.0-050 Release Issue 2
September 2015	45001/081	89000862	8.1.8.0-060 Release
October 2015	45001/081	89000863	8.1.8.0-070 Release
December 2015	45001/081	89000872	8.1.8.0-080 Release
April 2016	45001/081	89000873	8.1.8.0-090 Release
September 2016	45001/081	89000877	8.1.8.1-050 Release

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Table of Contents

Introduction

A few enhancements were made recently to the Retalix ISS45 system. These changes are reflected in the accompanying ISS45 8.1.8.0-090 software. The Change Request Document (CRD) numbers assigned to the enhancements are listed in the description heading. Following the change descriptions are an abbreviation of the ISS45 areas affected:

(FO) – Front Office

(GSP) – General System Parameter

(POS) – Point of Sale

(SSCO or SCO) – NCR Self-Service Checkout

These enhancements are explained in detail in the following pages and are included in your Retalix ISS45 User and Installation Guides. If you have any questions regarding this release, please contact Retalix Support.

NOTE: When upgrading to 8.1.8.1-050 using the manual process from the CD, it is important to only upgrade from a version of 8.1.8.0-050 or higher. This is to ensure all SQL changes are installed properly.

412922 – MTX dll versions

The updated MTX dll versions of Connected Payments and WinEPS are in this release of the ISS45.

This release was tested with the following Connected Payments and WinEPS dlls.

Verifone Terminals (MX8XX and 9XX series)

Connected Payments

MTX_EPS.dll	828.7.21.26 (EMV Certified)
MTX_POS.dll	828.1.0.98

Equinox and Ingenico Terminal

Connected Payments

MTX_POS.dll	828.1.0.98
MTX_EPS.dll	828.1.11.625
MTX_SE.dll	828.1.0.3

WinEPS

MTX_POS.dll	828.1.1.207
MTX_EPS.dll	828.1.1.372

MTX_POS_CP.dll	828.1.0.98
MTX_POS_WinEPS.dll	828.0.1.207
MTX_POS_EMPTY.dll	No version

438463 – Windows Updates Applied

Windows updates were applied on 07/13/2016 to the following system types.

MFS 1 - Nobilis Windows 7 Professional SP2

POS - Fujitsu 3K - WePOS

315724 – Integrate new email engine into ISS45 V8

This development will allow the ISS45 V8 system to support emailing POS receipts to customers instead of printing them at store level. Currently, the ISS45 V8 member maintenance file receipt uses the mail API which is no longer included in the new OS and therefore it no longer works.

Front Office

New Parameters

As part of this development, new parameters have been established. The following General System Parameter is located in the Store\Front Office\General.

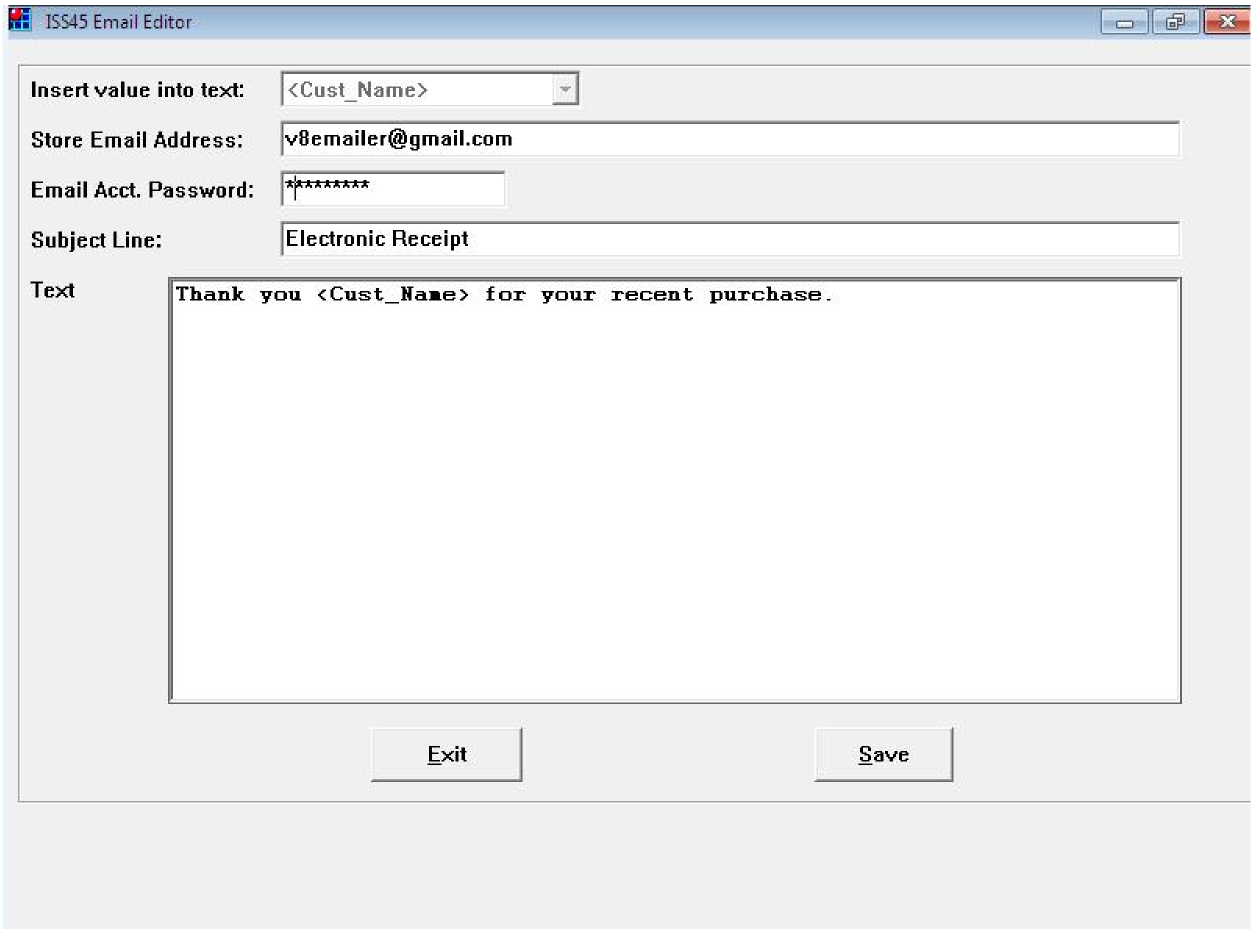
Parameters	Explanation
Send Customer Receipts by Email at EOD	Values: Yes/No When enabled, this parameter will cause receipts to be mailed to Customers that are set to receive receipts by mail during the EOD.

If ‘Send Customer Receipt by Email at EOD is enabled’, and receipt is emailed from the Email Viewer, the customer will receive multiple emailed receipts.

V8editm.exe

The V8editm.exe program will allow a store to provide their email address and include a subject and text message as part of the email message that a customer will receive that contains their receipt as a file attachment.

Note: The email address/password is required fields for this option.



The ISS45 Email Editor screen has these text boxes:

- Store Email Address – This field must have the store's email address.
- Email Acct. Password – This field must contain the password of the store's email account.
- Subject Line – This is where the store enters the subject for the email.
- Text – The text message that a store would like to send along with the receipt file. This box is limited to 24,000 characters.

The Insert value into text is a drop down Combo box that allows a user to insert a replaceable variable into the Subject Line or in the Text box. The program that sends out the emails will open C:\PROGRAM FILES\POSWARE\OFFICE\Email\Encrypt.enc which contains all of the information in an encrypted format.

The email program will decrypt the file and replace any text tagged with the < > with the actual value intended, i.e., <Cust_Name> will be replaced by the member's name as found in the ISS45 V8 Member table, etc.

V8Email.exe

The V8Email.exe program can be run as command line or as part of the EOD. It is designed to process transact.qdx. The EOD will call this program if the option is turned on. If the Send Receipt Email at EOD is on, it will also call the email sending program after it builds the email .pdf files.

If a store wants a logo embedded in the email pdf file, the installing dealer or store personnel will need to edit their logo file or other graphic with Paint or other similar editor and make the file sized in the 3 - 30 KB range and be saved in C:\PROGRAM FILES\POSWARE\OFFICE\Email as maillogo.jpg.

To assist in setting up this embedded logo, the /C parameter will process a Calibrat.asc file which is included in the install/upgrade of ISS45 V8. Running V8Email /C will create a Calibrate.pdf file (located in C:\PROGRAM FILES\POSWARE\OFFICE\Email) which the user can view to see how the logo and text will look in the production email .pdf files.

In C:\PROGRAM FILES\POSWARE\OFFICE\Email there is a V8EMAIL.INI file which looks like this:

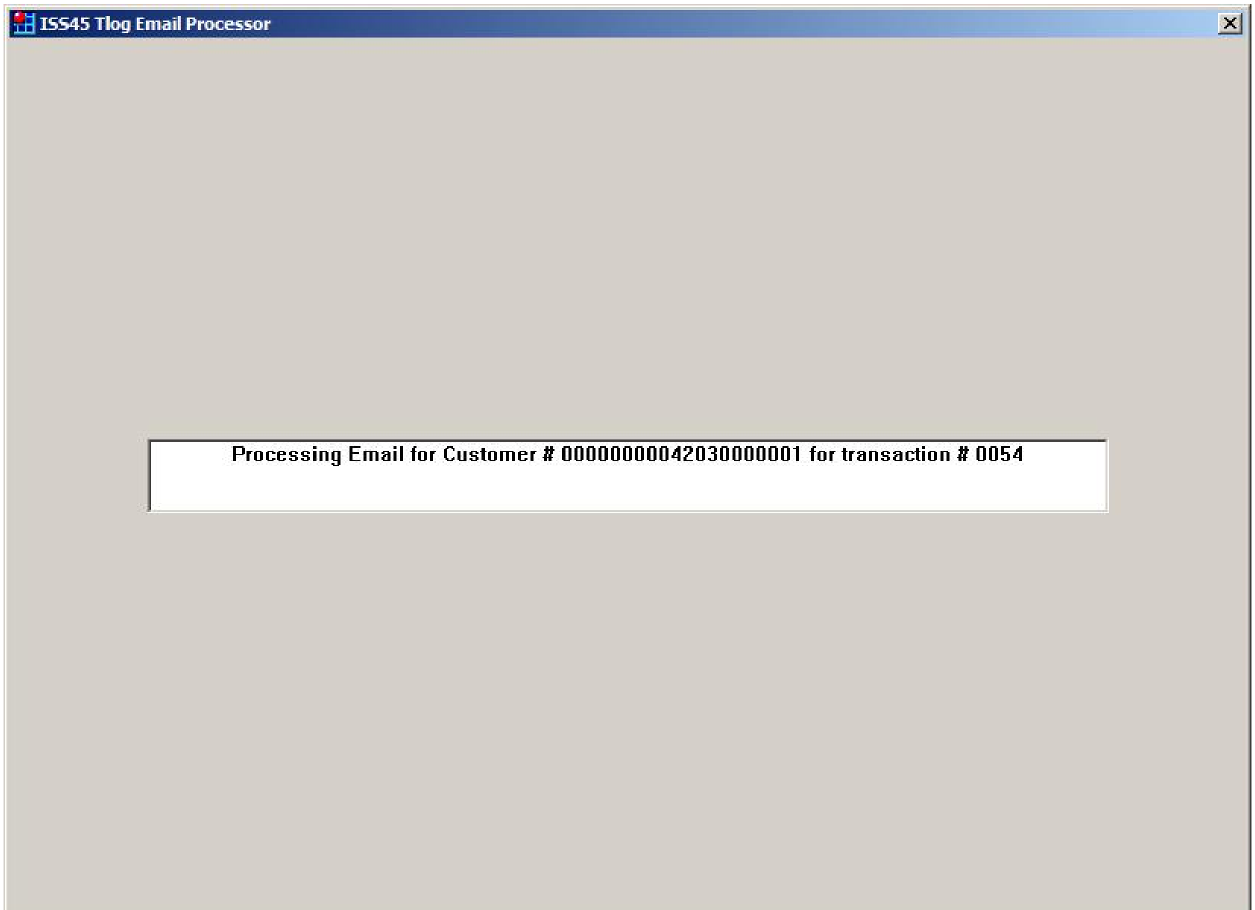
```
[Email Settings]
LOGOSTARTCOLUMN=85
RECEIPTSTARTROW=80
LINESPERPAGE=79
LINESPAGEONE=70
```

- The LOGOSTARTCOLUMN parameter is used to center the embedded logo.
- The RECEIPTSTARTROW parameter is used to set where the receipt text starts after the logo.
- The LINESPAGEONE sets how many receipt lines are printed on page one.
- The LINESPERPAGE sets how many receipt lines are printed on any additional pages.

To adjust the look of the email, just edit the V8Email.ini file and run V8Email /C. Adjusting these parameters will allow a user to setup how the receipt will look with their logo.

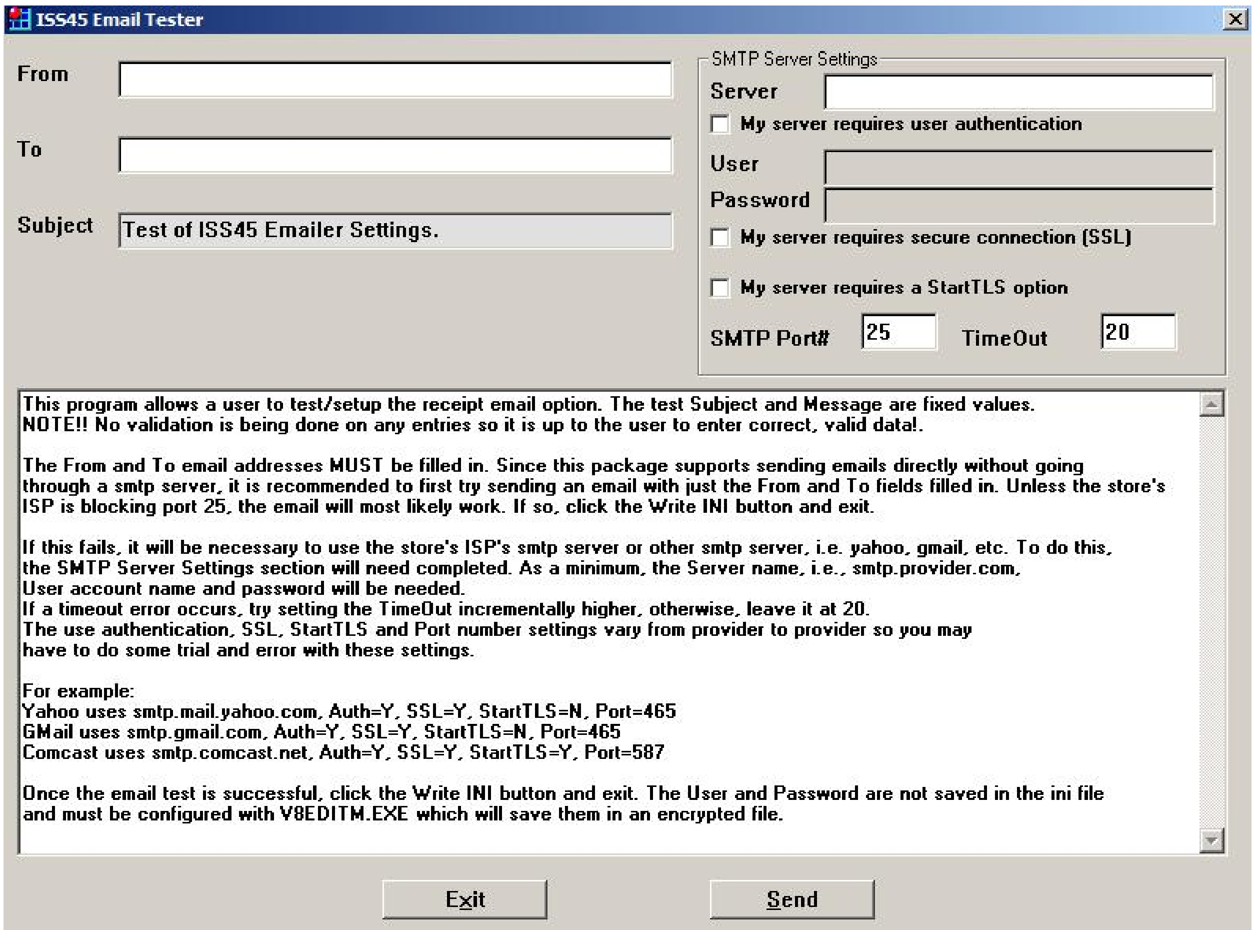
Note: If the maillogo.jpg is too large it can cause issues with the .pdf file creation and if so will need resized to a smaller size.

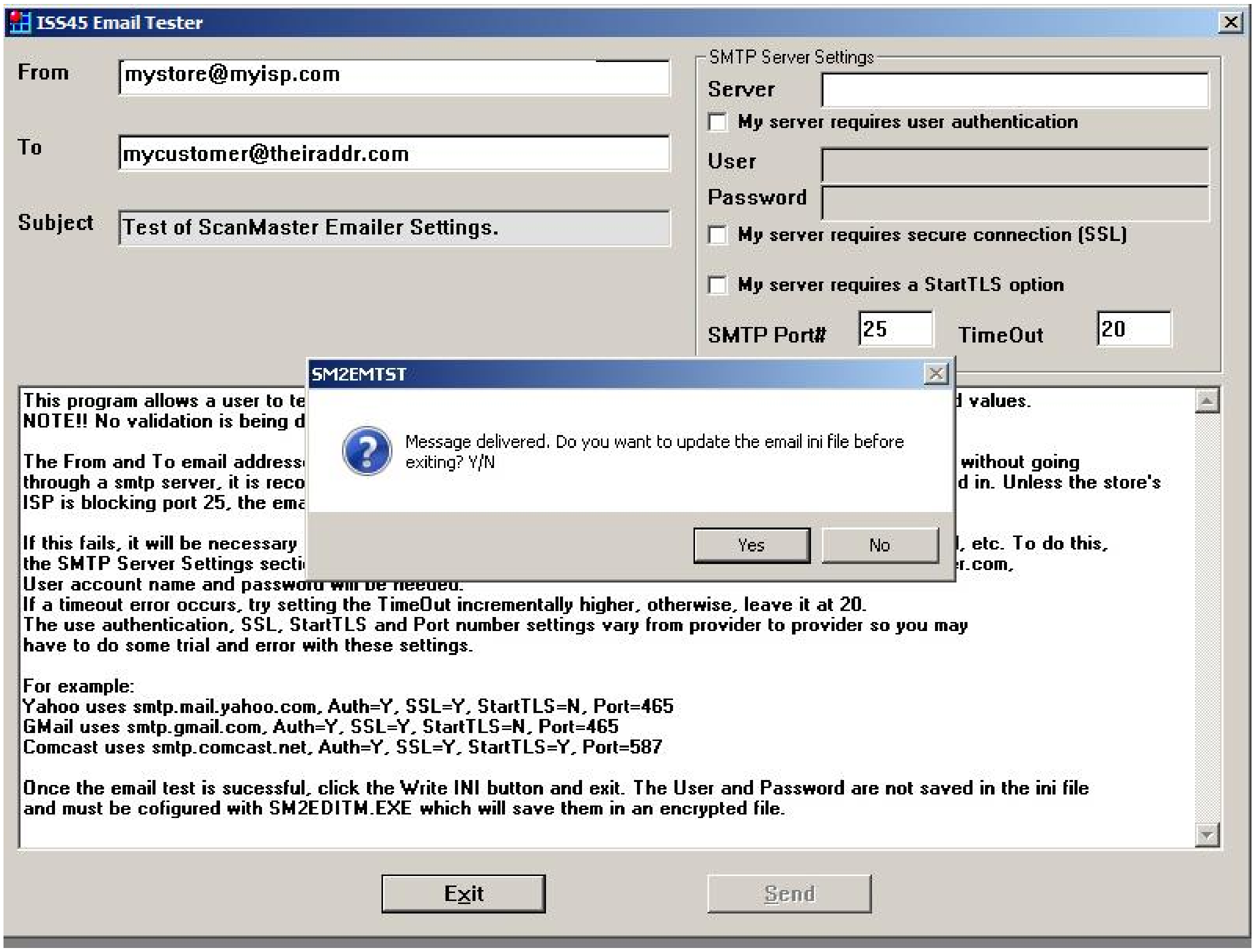
If the email option is on, it will process TLOG records. Any group of records that has a member number in a specific opcode line will cause the program to look up the member number in the member database. The user should verify that the Email field contains an address and if the flag is a 1 or 1 2, create a pdf file for that receipt.



V8emtst.exe

The V8emtst.exe can only run Command line. It is for setup purposes only and as such, is not included on any menus. The instructions on how to use the program are displayed on screen.

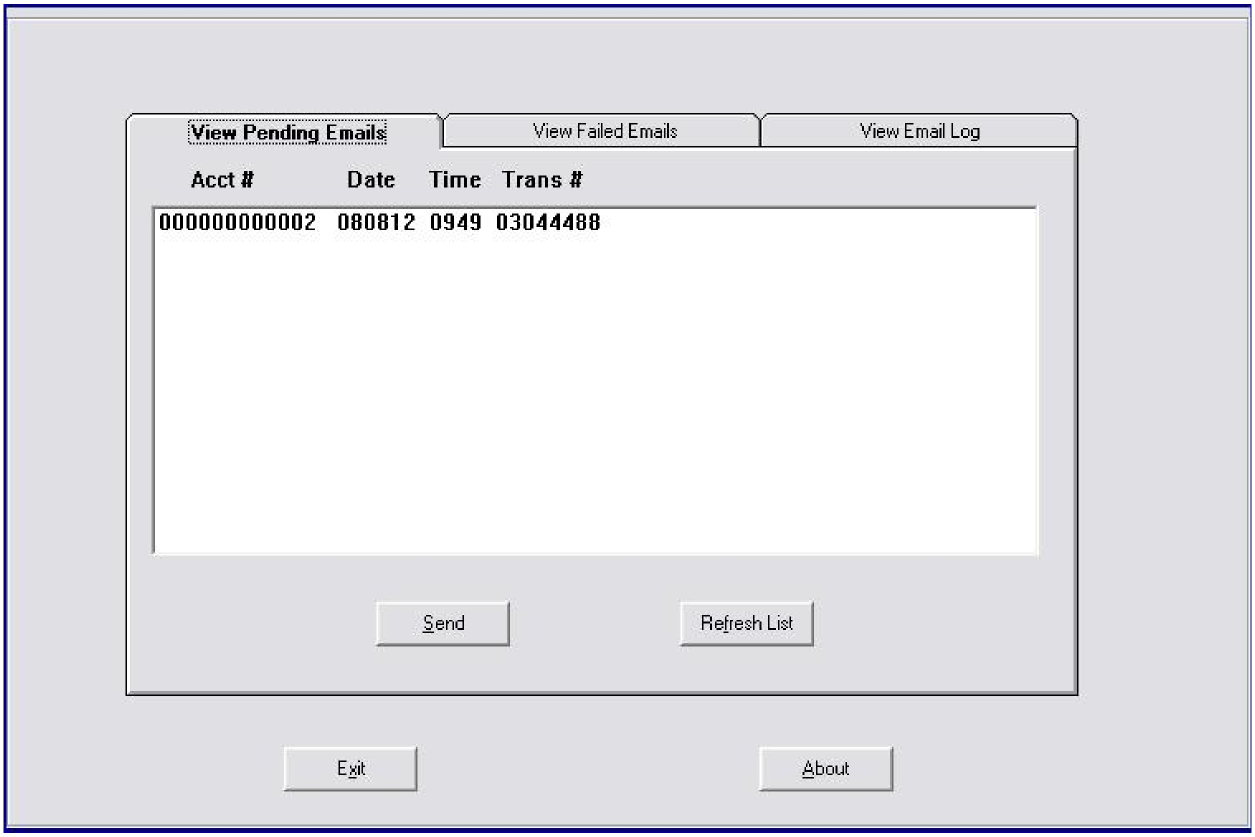




If the send is successful, the user is prompted to save the settings to the email ini file (C:\PROGRAM FILES\POSWARE\OFFICE\V8sendm.ini).

V8eview.exe

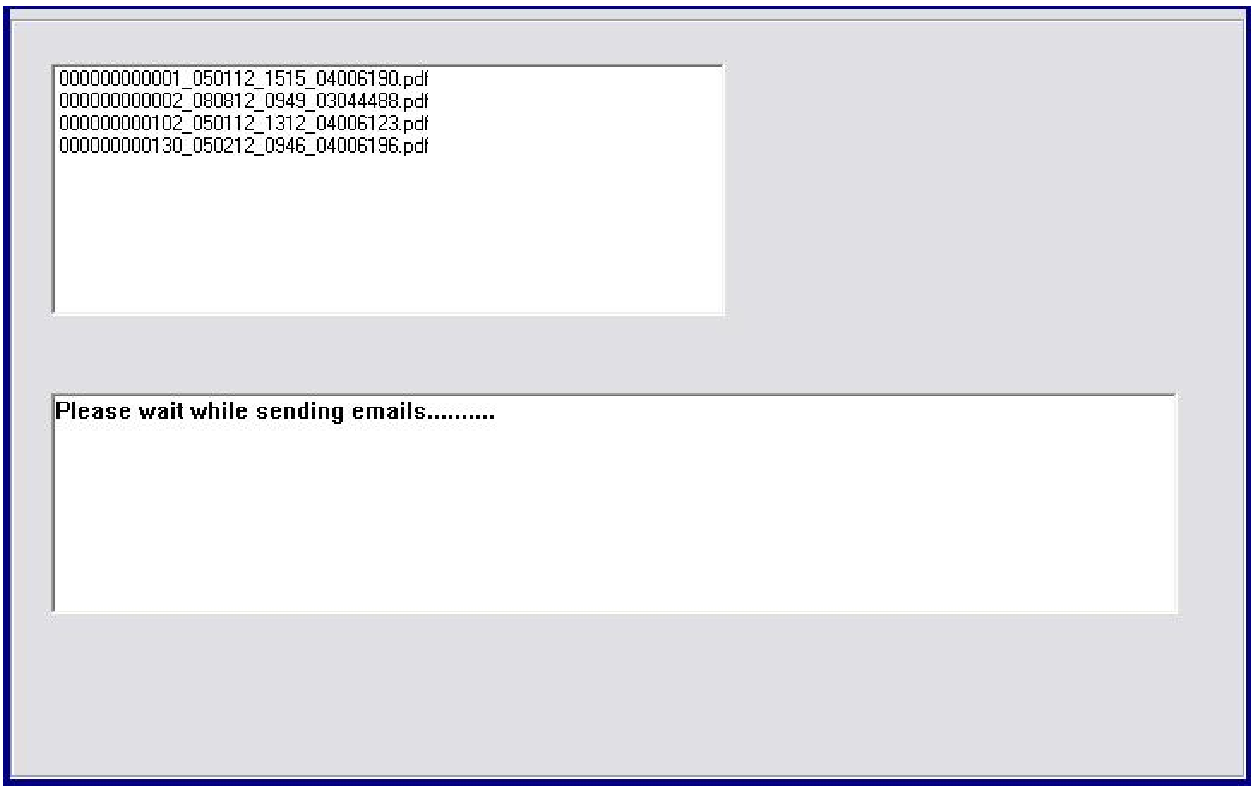
The V8eview.exe on the system services menu, allows a user to view/send either pending or failed emails. It also allows for the viewing/printing of the email log.



V8sendm.exe

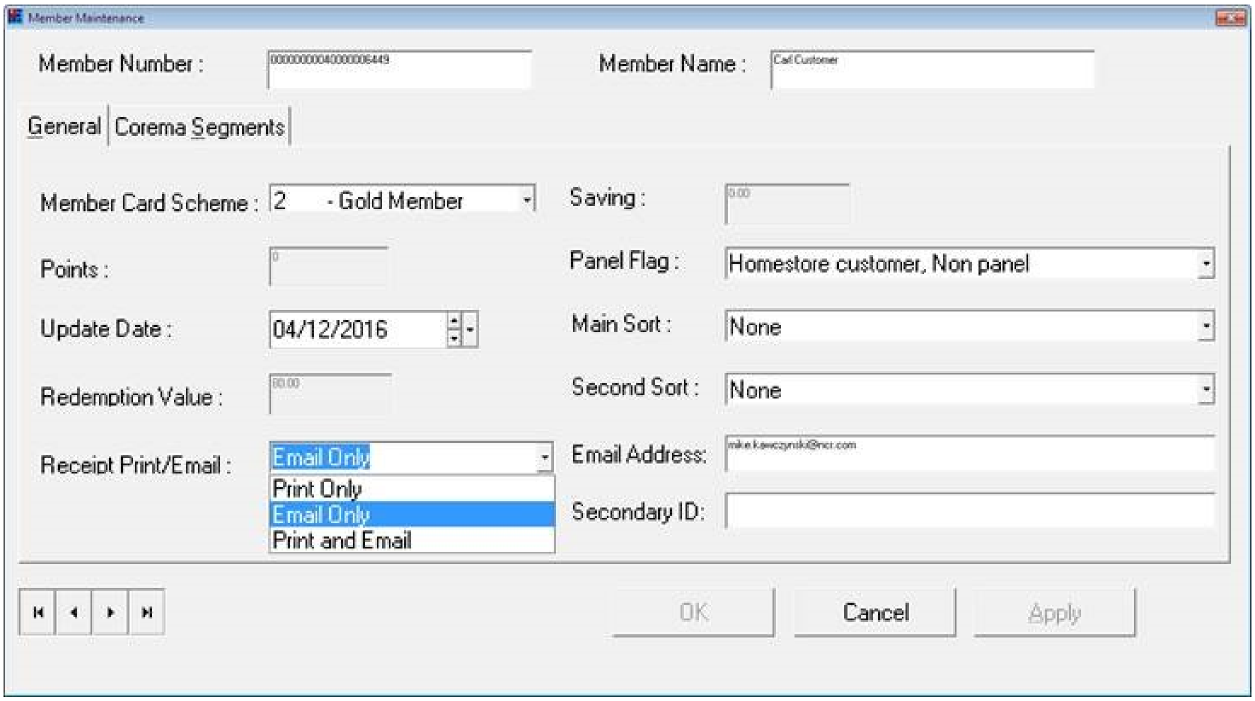
The V8sendm.exe does the actual assembling and sending of the emails. This program reads the Encrypt.enc file in C:\PROGRAM FILES\POSWARE\OFFICE\Email to get the store email address and password as well as the Email subject line and message text. Each .pdf file's name is read to get the member ID.

The V8sendm.exe looks up the member information for the email address and other data if the subject line or message text contains replaceable macros. Any replaceable macros are handled at this point. Once this information is complete, the programs attempts to send the email with the .pdf file as an attachment. Email results are logged to C:\PROGRAM FILES\POSWARE\OFFICE\Files\Log\Email.log.



V8cust.exe

The V8cust.exe program's Member Maintenance has been modified to account for the new receipt delivery field.



POS

Read and React Settings for "Enable Receipt Sent as Email"

The POS has been modified to indicate to third party email processors in the TLOG, whether or not a receipt is to be emailed based on the setting of the System Configuration option "Enable Receipt Sent as Email" and the indication from the customer file. However, the ISS45 V8 email program will not use that field

Instead, the ISS45 V8 emailing program will determine the need for an email from the settings and customer fields at the time of the emailing. This is to support mid-day changes in status.

New Customer File Field

The POS will look at the Member Record and assess a new field which will be set indicating whether the receipt should be emailed.

1. 0 – Print (Default)
2. 1 – Email Only
3. 2 – Print and Email

Self-Checkout Special Considerations

If the POS determines that the receipt will be emailed by assessing settings in the Customer Record, the POS will additionally determine if it should run on a Self-Checkout system. If so, the receipt will still print regardless of the Customer setting of email only. This will functionally consider any setting of the new customer record field of “1” as a “2”.

367892 – OPOS Common Controls v1.13

The OPOS Common Controls v1.13 and associated manufacturer OPOS have been certified on specific models, i.e. HP5800, IBM350 using the POSReady 7. This feature provides support for the 1.13 Common Controls with the POSReady 7 embedded OS for the POS.

However, normal certifications have been provided for newer OS and POS that were running the 1.13 OPOS. Both the support labs and QA labs have successfully run the 1.12.00.84 Datalogic OPOS on the POSReady 7 Embedded OS on the POS. There have been no issues reported with this combination thus far.

418023 – SSCO Product Launch

As of the 8.1.8.1-050 release, the NCR Self-Serve Checkout is now a fully released and supported product. When purchasing the SSCO, the SSCO will be accompanied by a CD labeled “NCR 7350 FastLane Application for NCR ScanMaster and ISS45”.

The ISS45 Transaction Broker content will be found on the CD in the folder structure - ISS45_TB_Integration\SSCO_V8. Please reference the “ISS45 SSCO Installation Guide.pdf” on the CD for full instructions of installing the SSCO.

424182 – 64 Bit: Converting 16 bit apps to 32 bit

It is required for ISS45 to install and run on Windows 7 x64 and Windows Server 2008 R2 x64 operating systems, which uses 32-bit applications.

But currently, ISS45 only supports 32-bit Windows operating systems and uses many 16-bit applications. These 16-bit applications will not run on a 64-bit system and need to be converted to 32-bit.

This new development will convert the existing 16-bit applications to 32-bit applications, and modify any applications or batch files that call these older applications to now call newer applications.

Front Office

New Parameters

The following General System Parameters are hidden parameters. They are modified by the running of kbd2sql and qdx2sql. Once those utilities have been run on the system, the flags are set so that they will not run a second time. It's a safeguard to making sure the settings are not accidentally overwritten to SQL a second time.

Parameters	Explanation
KBD_QDX_SQL	POS Keyboard data loaded to SQL Control = Y/N QDX = No Default Value = 0
MENU_QDX_SQL	POS Menu data loaded to SQL Control = Yes/No QDX = No Default Value = 0
ARACCT_QDX_PRM	When false, qdx2sql will import the Customer Account data from QDX to SQL. If true, qdx2sql skips the import. Control = Yes/No QDX = No Default Value = 0

Parameters	Explanation
COSTPLUS_QDX_PRM	When false, qdx2sql will import the Cost Plus data from QDX to SQL. If true, qdx2sql skips the import. Control = Yes/No QDX = No Default Value = 0

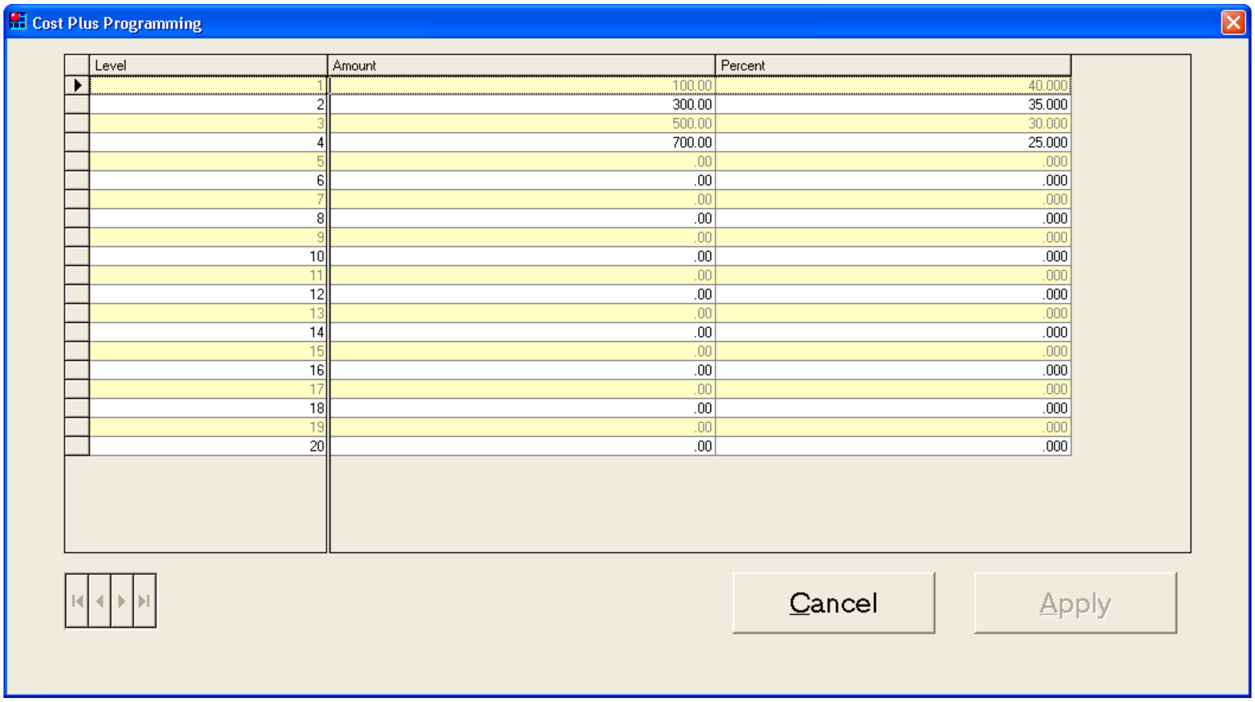
QDX to SQL Utilities

Template to SQL (tmpl2sql.exe) – This application is used to populate the sql table from the existing QDX tables.

Keyboard to SQL (kbd2sql.exe) – This application is used to populate the menu and keyboard sql tables from the existing QDX tables. Once successful, the system parameters KBD_QDX_SQL and MENU_QDX_SQL are set to avoid the accidental overwriting of the SQL tables. Command line to run this application.

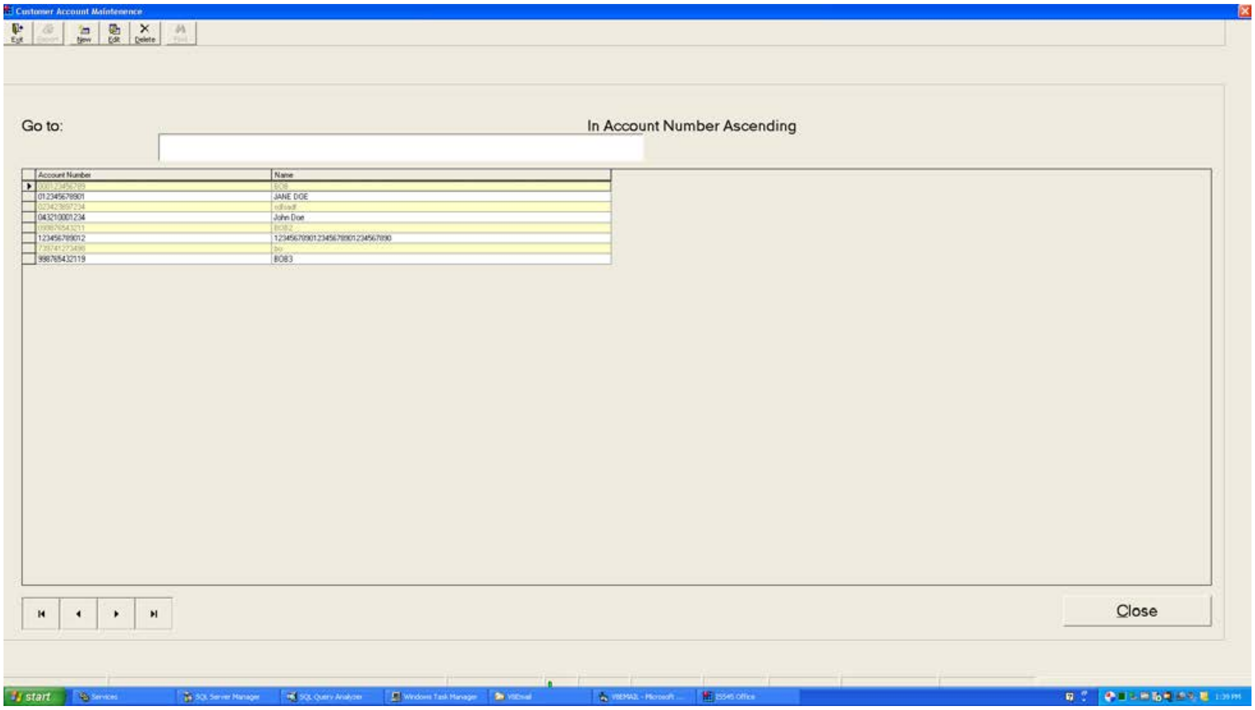
QDX to SQL (qdx2sql.exe) – This application is used to populate the cost plus and customer account sql tables from the existing QDX tables. Once successful, the general system parameters ARACCT_QDX_PRM and COSTPLUS_QDX_PRM are set to avoid the accidental overwriting of the SQL tables. Command line to run this application is qdx2sql /default.

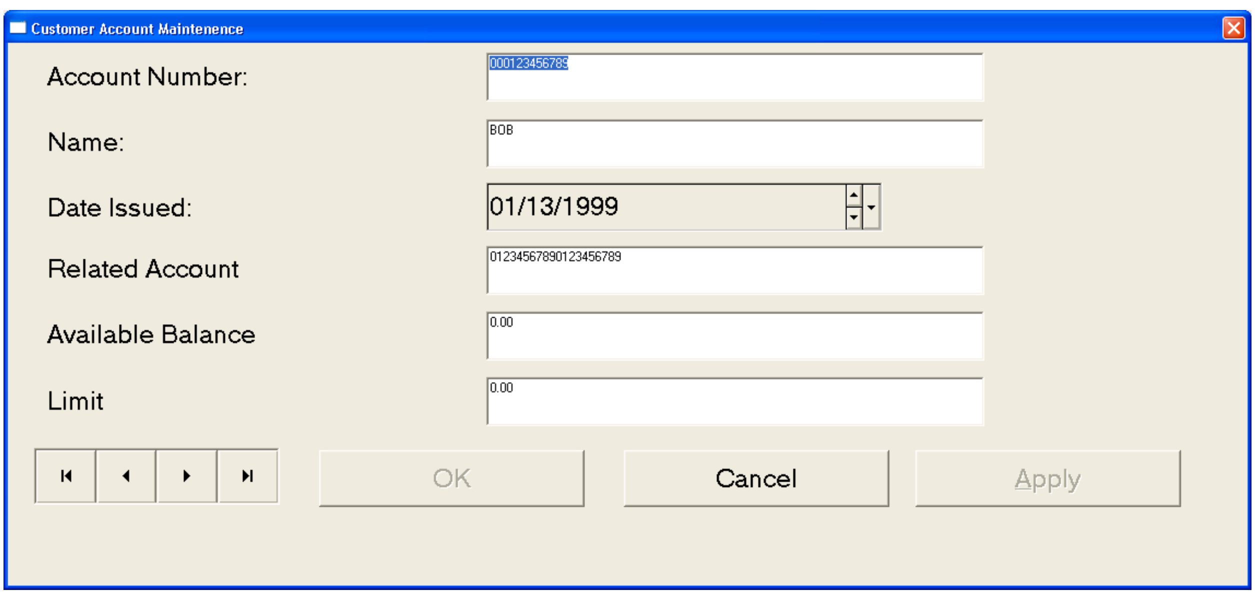
Cost Plus



Level	Amount	Percent
1	100.00	40.000
2	300.00	35.000
3	500.00	30.000
4	700.00	25.000
5	.00	.000
6	.00	.000
7	.00	.000
8	.00	.000
9	.00	.000
10	.00	.000
11	.00	.000
12	.00	.000
13	.00	.000
14	.00	.000
15	.00	.000
16	.00	.000
17	.00	.000
18	.00	.000
19	.00	.000
20	.00	.000

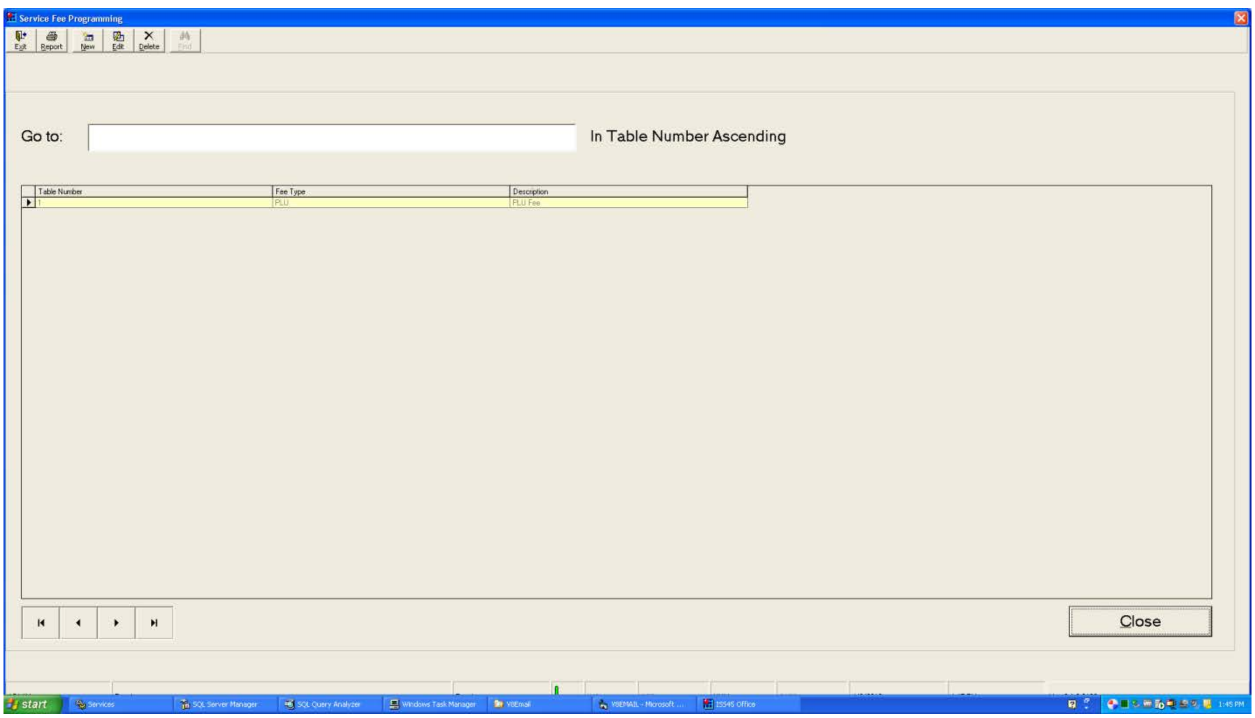
Customer Accounts

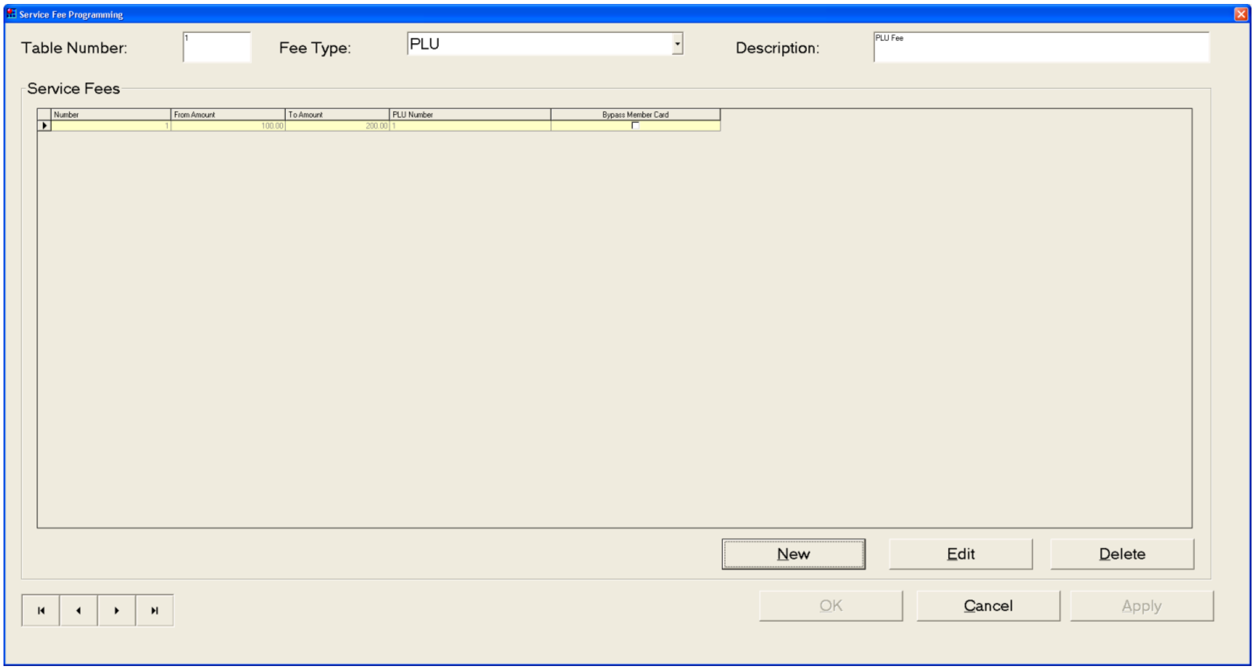


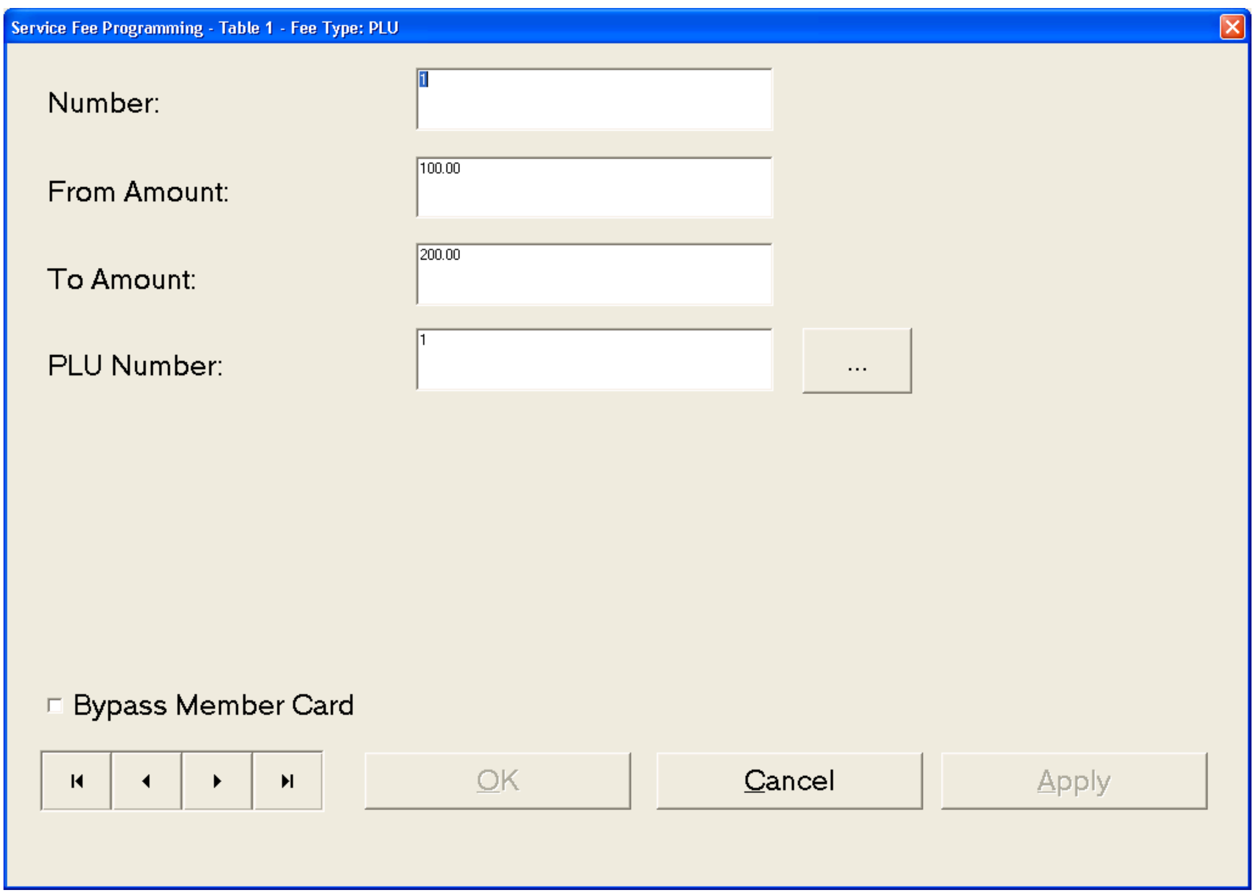


Templates/Multi-part receipts

Service Fee Programming




Service Fee Programming
Table Number:
1
Fee Type:
PLU
Description:
PLU Fee
Service Fees
New
Edit
Delete
OK
Cancel
Apply


Service Fee Programming - Table 1 - Fee Type: PLU
Number:
1
From Amount:
100.00
To Amount:
200.00
PLU Number:
1
...
Bypass Member Card
OK
Cancel
Apply

POS Menu Maintenance - Replaced Sales/Closed/Supervisor Menu

The POS Menus option allows you to customize the options listed on the POS terminal when the Back Office Menu key is used in *closed* mode (signed-off), in *sales* mode (signed-on) and when *supervisor* functions are listed (either signed-on or off).

Note:

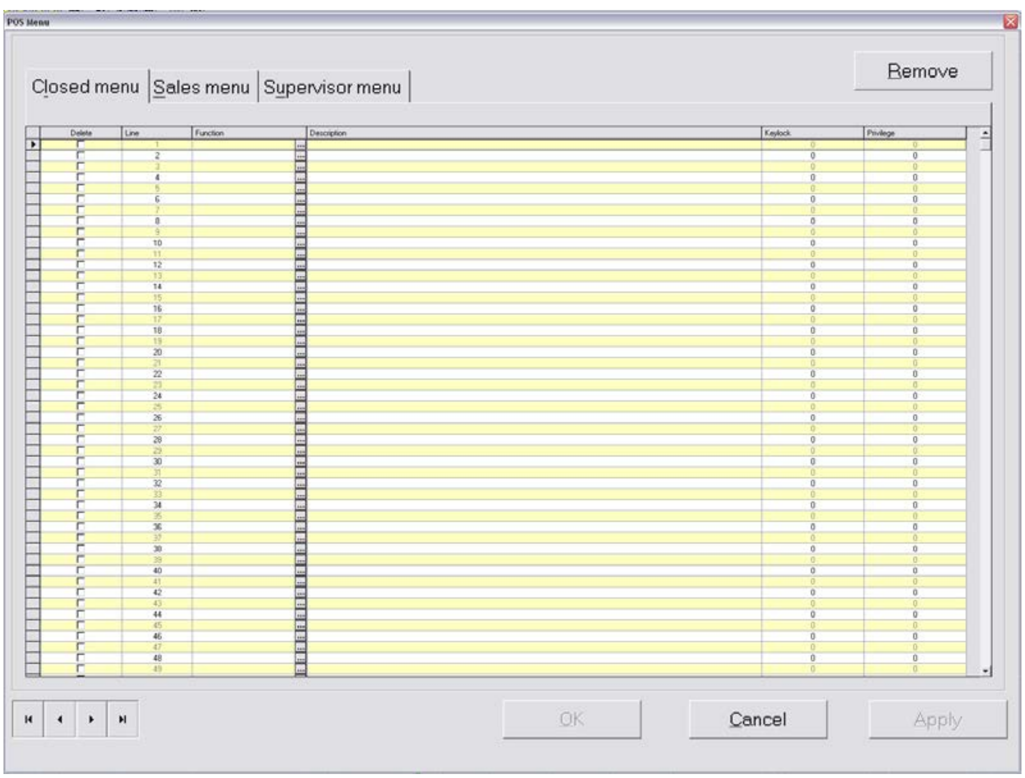
To allow terminal operators to display the POS terminal back office menus, a back office menu key must be defined on the keyboard. To allow operators to display the POS terminal back office menus, the Back Office Menu Function (1082) must be added to the Menusys.mac/xml file. See the *Keyboard Macro Tool Guide* for more information.

POS Menu Maintenance

The POS Menu Maintenance option allows you to customize the options listed on the POS terminal when the Back Office Menu key is used in *Closed, Sales or Supervisor Mode*.

To define a new menu option

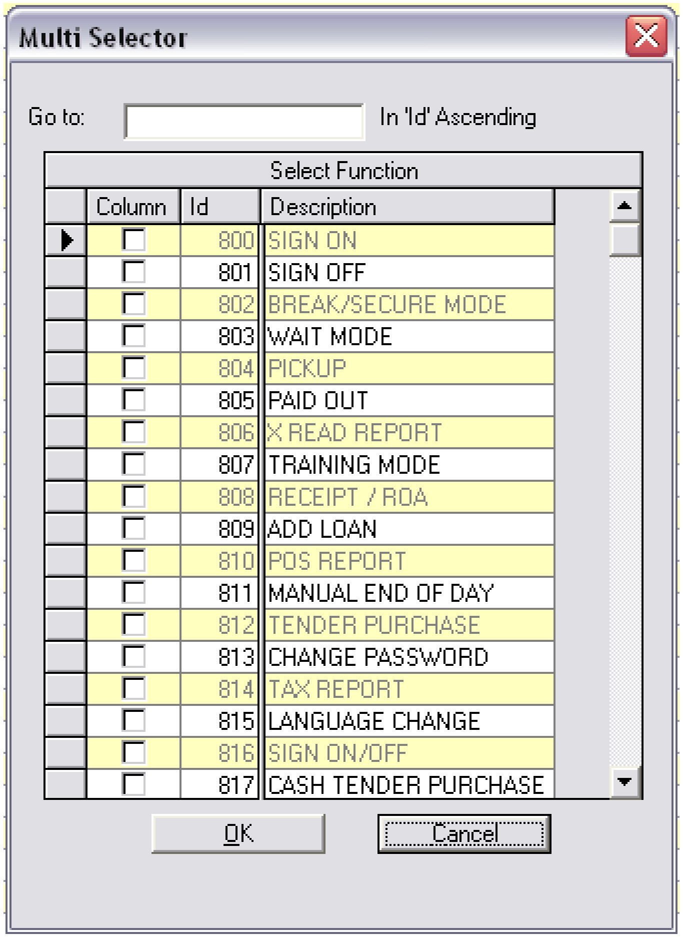
1. From the System Administration menu, select POS Setup menu, POS Menus and then POS Menu Maintenance. The POS Menu Screen appears (with the Closed Menu Tab selected):



Note:

All three tabs have the same ability to add functions to the selected POS menu.

2. In the desired tab, select a row in the grid (by clicking the row) and then click on the Ellipses Button in the Function column. A list of all functions available will display.



3. Check (click) the desired function's Column box and press **OK**. The function is selected it will be displayed in the grid with the function number and description.
4. (Optional) Click inside the Keylock field and enter the position required, from 1 to 5.

Note:

Keylock positions are used to impose control by supervisors and management. Keylock position numbers are dependent on the keyboard type connected to the POS terminal.

5. (Optional) Click inside the Privilege field and enter the required value. Valid privileges are 1-8, with 8 being the highest privilege

Note:

Use keyboard privileges to ensure that certain functions are activated only by authorized employees. DO NOT set for Full Touch as the user cannot return to sale from an authorization requirement.

6. Click **OK** to record the definition.

Note:

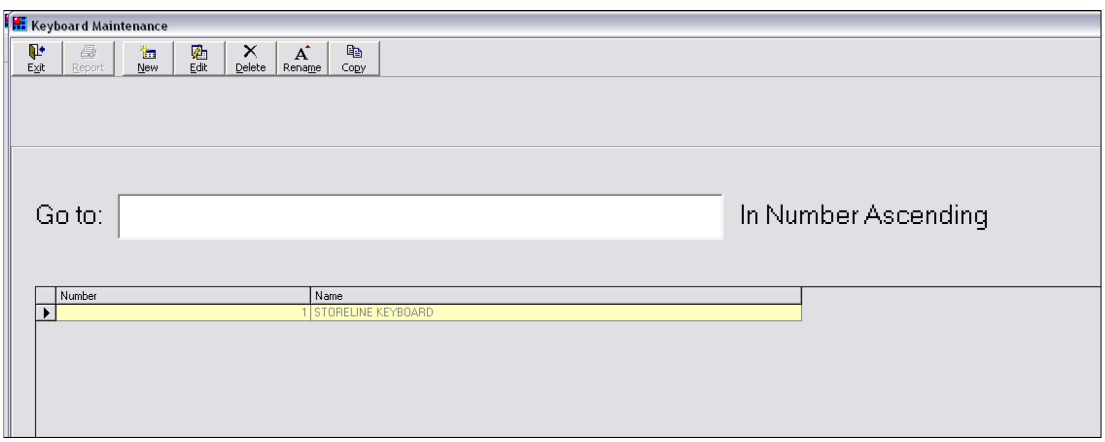
To remove a function, check the box in the function's Delete column and click the Remove button (in the top right-hand corner of the POS Menu screen).

Keyboard Programming

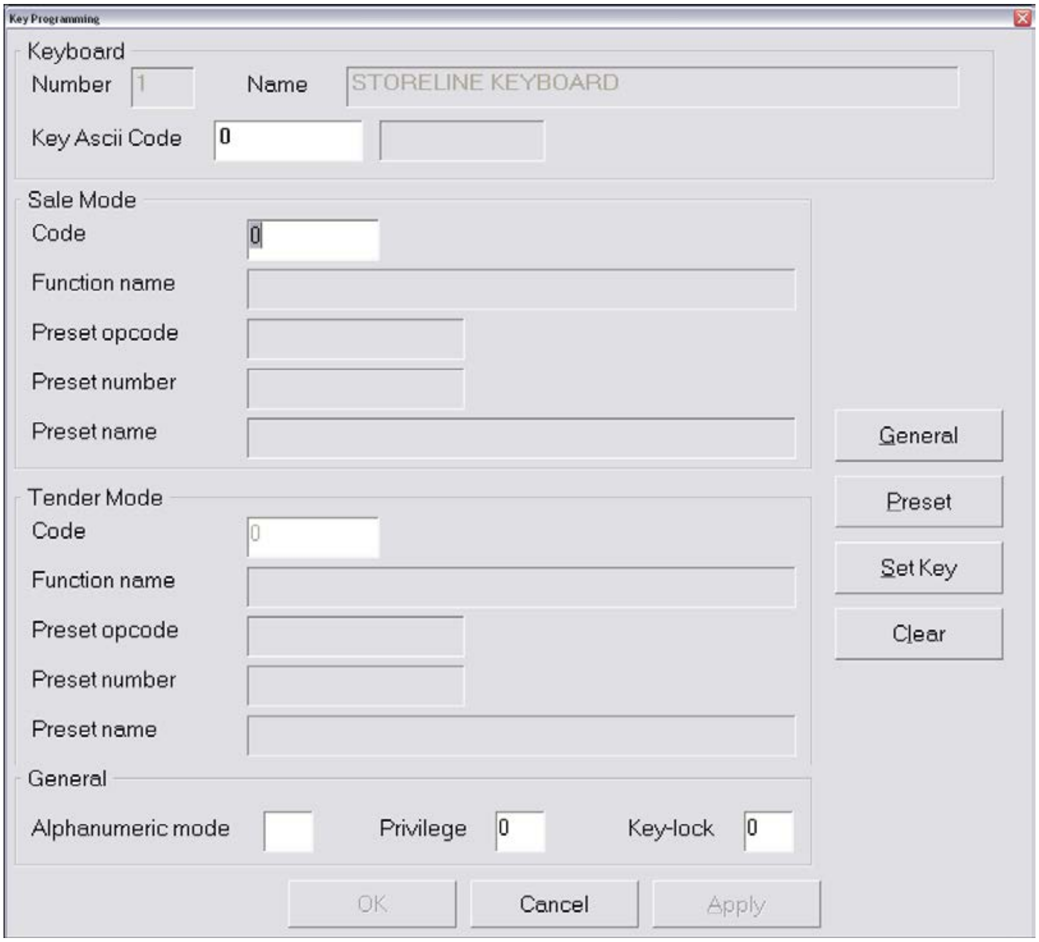
This option serves to define a keyboard layout. Keyboard layouts can be defined for specific POS terminals as well as for different *types* of keyboard.

To define a new keyboard layout

1. From the System Administration menu, select POS Setup menu, POS Keyboards and then Keyboard Programming. The Keyboard Programming list appears:



2. Click **New**.
3. Enter an unused Keyboard Number, assign a Name for the layout and click **OK**. The layout now appears on the keyboard selection list.
4. Select the layout and click **Edit**. (At this stage, the layout is empty).
5. Select New. The Key Programming screen displays.



6. To add a new function, select the **Set Key** Button. A simulated picture of a keyboard displays where the key (or key sequence) can be selected.

Note:

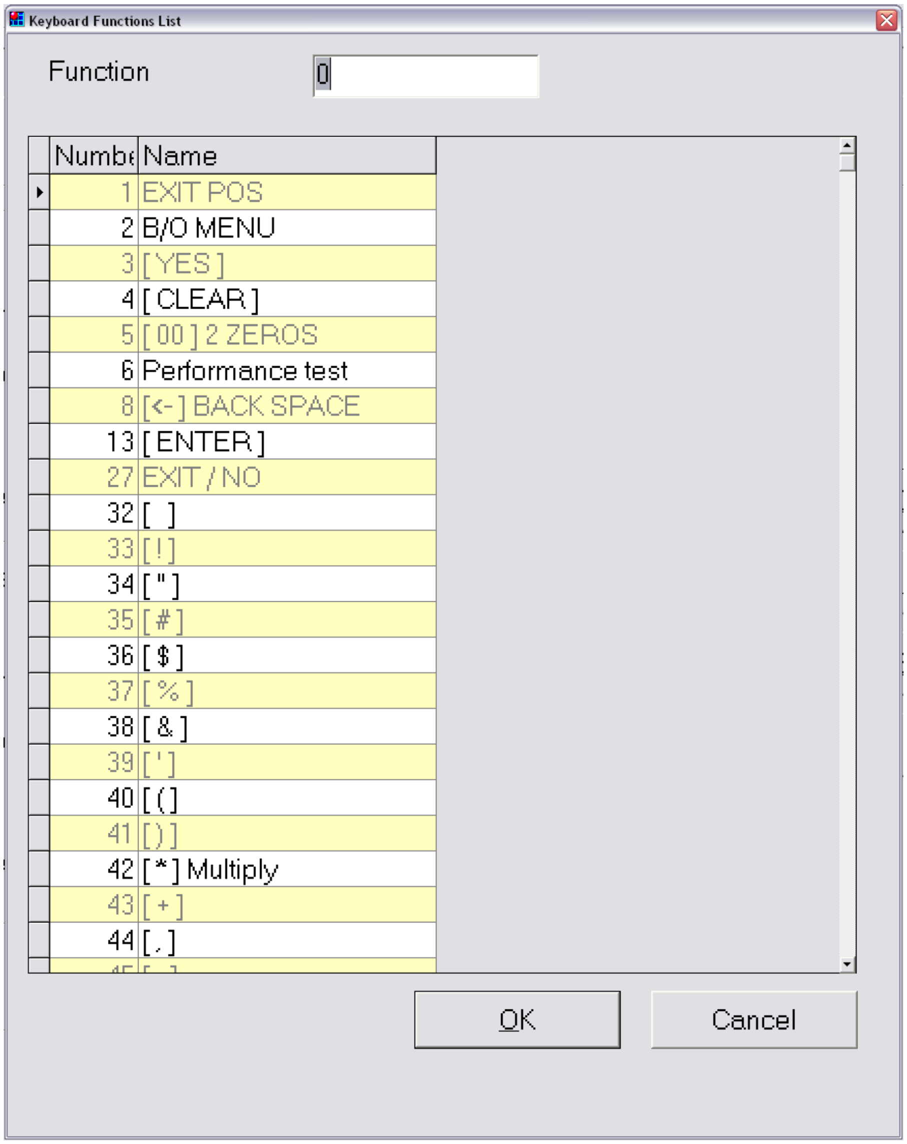
Click the **Numeric** Tab to display additional keys.

7. Select the key (or key sequence) to program and click **OK**. The Key Programming screen re-displays with the Key ASCII Code assigned.

Note:

If a selected key (or key sequence) is already in use when **OK** is pressed, the form will be populated with properties for that code. If the key (or key sequence) is available, a blank form will display.

8. Assign a designated function for the key (or key sequence) by clicking the **General** Button on the form. A list of all the functions defined in the system will display.

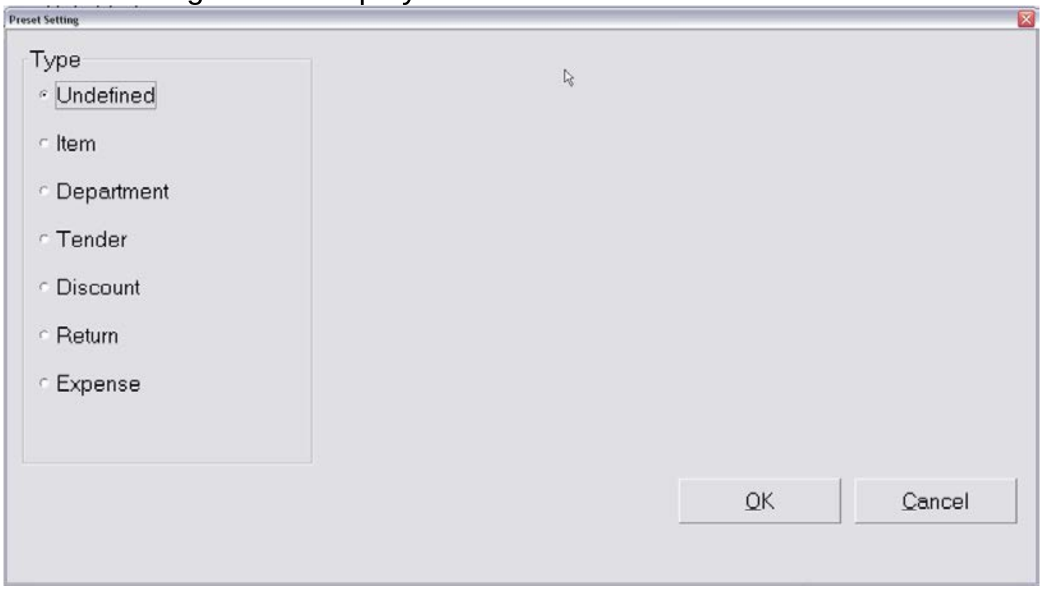


9. Locate and highlight the desired function. Click **OK**. (By default, the Sale Mode will be populated in the Key Programming screen with the selected function).

10. A keyboard key can be programmed to activate different functions in Sale Mode and Tender Mode. Click inside the Tender Mode Code field and repeat the process for Tender mode (with the desired function).

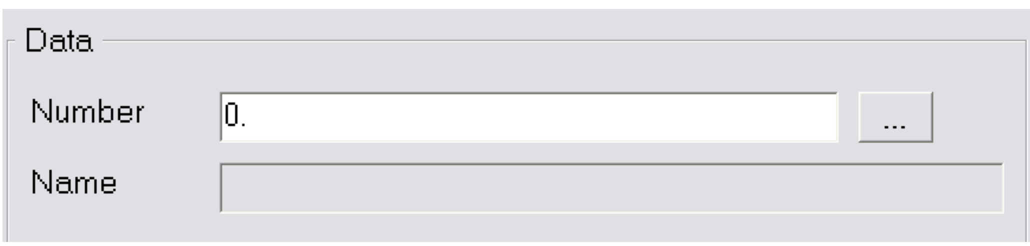
11. (Optional) A Preset function (i.e. PLU item, department, return, etc.) can be established for Sale Mode or Tender Mode. Click inside the desired Code field (Sale or Tender) and click the **Preset** button. The

Preset Setting screen displays:



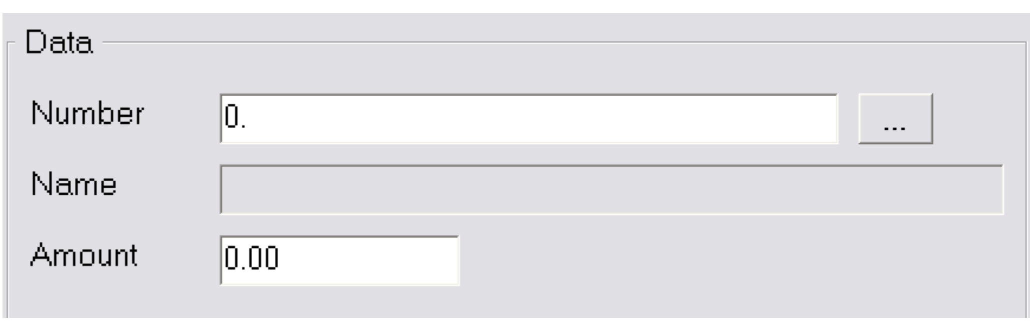
12. Select the type of preset required and the attributes (i.e. Tender and Amount, Department and Amount, Discount, Return Type, Expense Code) of the preset. Click the **OK** button when finished

For PLU



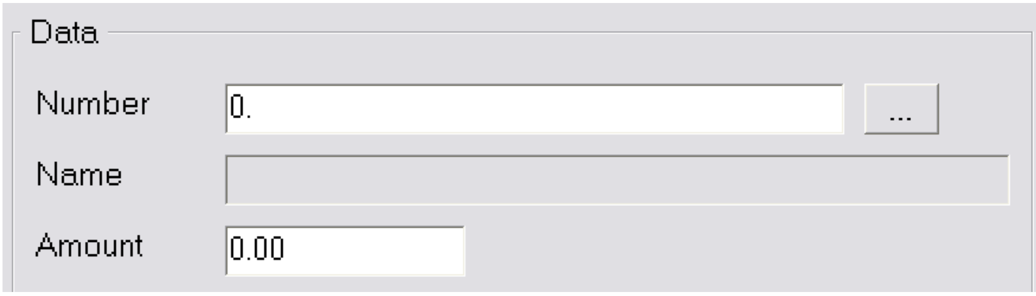
Click the Ellipsis Button. Locate and highlight the item to be rung up by the key you are defining. Click **OK** when finished.

For Department



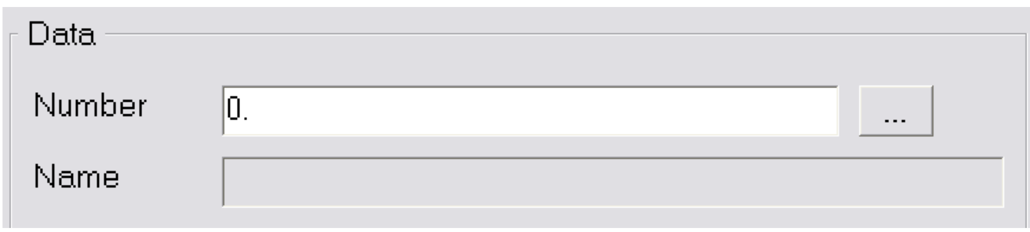
Click the Ellipsis Button. Locate and highlight the department to be rung up by the key you are defining. Enter the dollar amount to ring to the department and click **OK** when finished.

For Tender



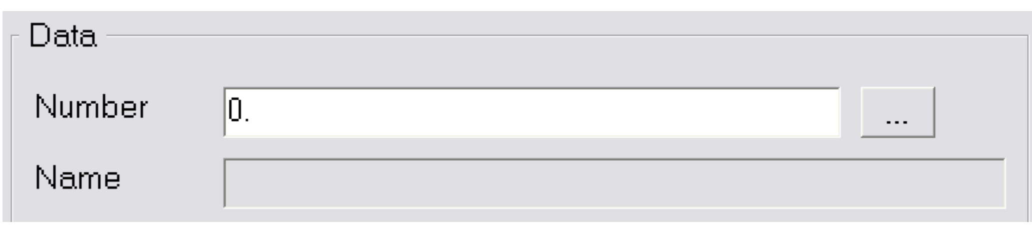
Click the Ellipsis Button. Locate and highlight the tender to be rung up by the key you are defining. Enter the dollar amount to ring to the tender and click **OK** when finished.

For Discount



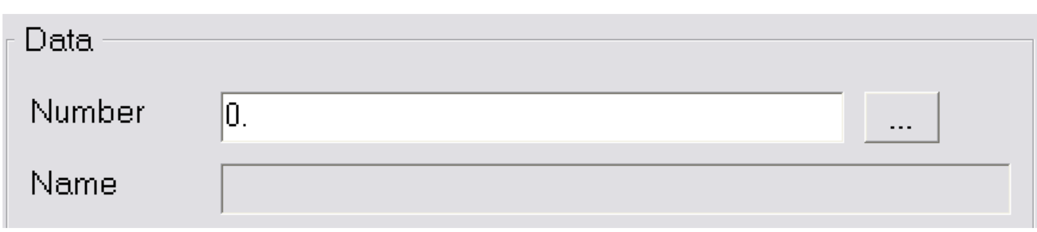
Click the Ellipsis Button. Locate and highlight the discount (as defined in Discount Maintenance) to be rung up by the key you are defining. Click **OK** when finished.

For Return



Click the Ellipsis Button. Locate and highlight the return (as defined in Return Types Maintenance) to be rung up by the key you are defining. Click **OK** when finished.

For Expense



Click the Ellipsis Button. Locate and highlight the expense (as defined in Payout / Receipt Maintenance) to be rung up by the key you are defining. Click **OK** when finished.

13. To assign a keyboard privilege to the key, type in the required value (at the bottom of the screen). Valid privileges are 1-8, with 8 being the highest privilege.

Note:

Use keyboard privileges to ensure that certain functions are activated only by authorized employees.

14. If necessary, a keyboard keylock position may be defined. Type in the required value. Valid keylock positions are 1 - 8. The actual range on the standard keyboard is 1 – 5.

Note:

Keylock positions are used to impose control by supervisors and management. Keylock position numbers are dependent on the keyboard type connected to the POS terminal.

15. Click **OK**. The Keyboard Layout screen now lists the functions and preset operations assigned to keyboard key (or key sequence). Repeat the steps until the layout is fully defined.

Updating a Keyboard Layout

To update a keyboard layout

1. In the Keyboard Selection screen, highlight the required keyboard layout and select *Edit*. The Keyboard Data screen displays.
2. Perform the required function:

Function	Description
New	Select *New* to enter a new key assignment. Follow the instructions above.
Edit	Highlight a key assignment and select *Edit*. By default, the Keyboard Sale Mode function will be modified. Click inside the Tender Mode Code field to make a change to the Tender Mode function. Follow the instructions above.
Delete	Highlight the key assignment to be deleted, and select *Delete*. In the confirmation box, select *Yes* to delete the key assignment.

To update a keyboard name

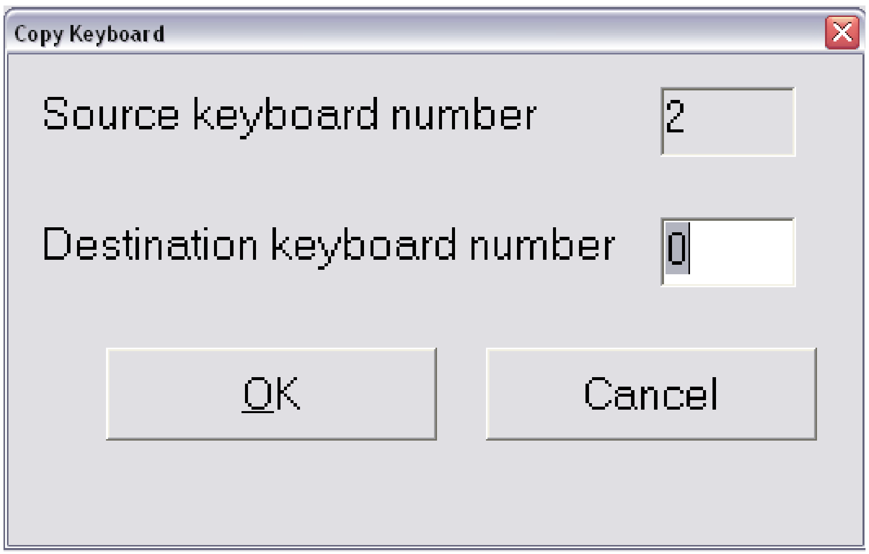
1. In the Keyboard Selection screen, highlight the desired keyboard and select *Rename*.
2. Type in the new name.
3. Press **OK** to save.

Copying a Keyboard Layout

You can create a new keyboard layout based on an existing layout. First copy the layout and then make the necessary changes via the *Update* function.

To copy a layout

1. In the Keyboard Selection screen, highlight the keyboard from which you want to copy and select *Copy* (*Alt+P*). The Keyboard Copy window displays.



2. Type in the number of the new keyboard layout. Press *OK.* The copied layout appears in the list (with the same name as the source keyboard layout).

POST Controls

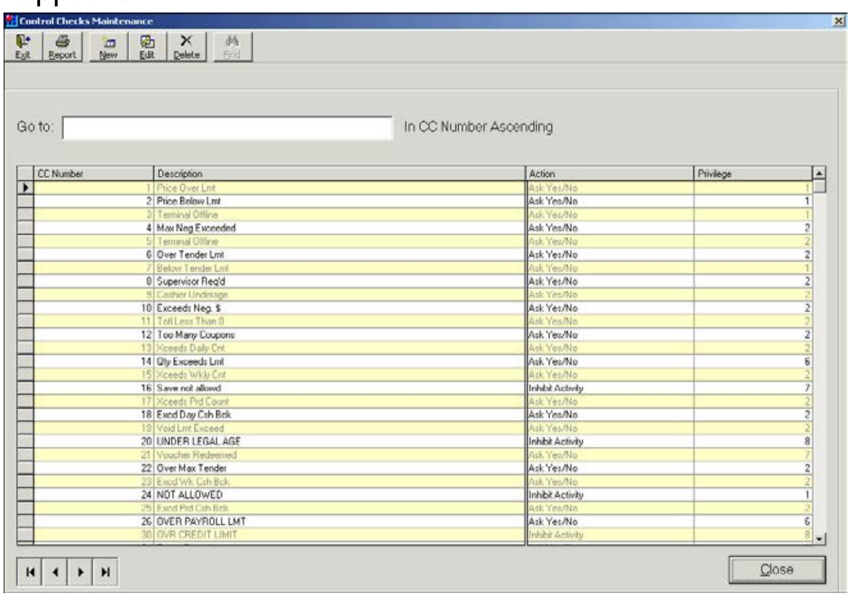
This module contains options affecting operation of the POS terminals.

Control Checks

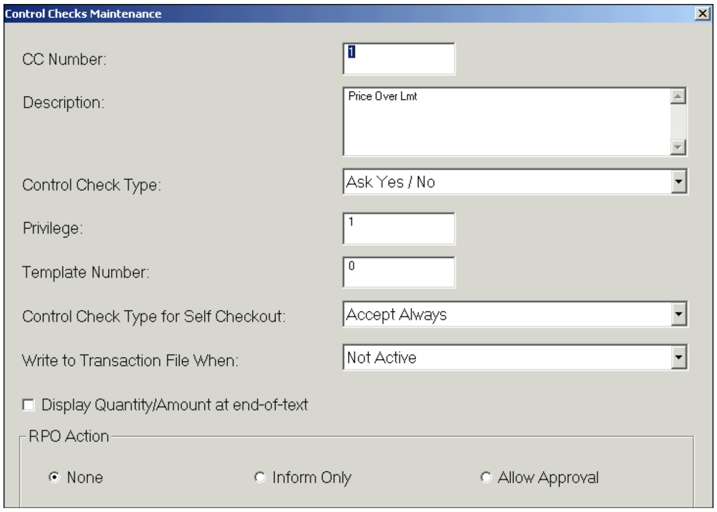
Control Checks alert authorized store personnel to various conditions or events that may occur at the POS terminal. When control checks are triggered; they display a message at the POS terminal and require a form of response. Various response types can be set up which may allow cashiers to continue, or force them to call a supervisor (for example, ‘Ask Yes/No’, ‘Continue’, ‘Warning’, ‘Supervisor Key-lock’ or ‘Inhibit Action’).
These Control Check parameters allow you to select which POS conditions or events need to be monitored and controlled.

To add a new control check

1. From the Database Management menu, select POST controls and then Control Checks. The Control Checks Maintenance list appears.



2. On the toolbar, select *New*.
   The Control Check Maintenance dialog box appears.



3. Enter the required control check number and description (up to 51 characters in length).
4. Choose the control check type from the drop-down list. The option you choose depends on the amount of control or security you require, as described below.

Control Check Type	Description
Unused	Control check number is not used.
Ask Yes/No	Displays *Yes*/*No*? at the POS terminal. Enables the cashier to decide whether to continue the operation.
Manager keylock required	Control check description displays at the POS. POS key must be put in MGR position to continue.
Inhibit activity	Control check description displays at the POS. The specific function may not be performed, but the sale (order) can be continued.
Supervisor keylock required	Control check description displays at the POS. POS key must be put in SVR position to continue. Do NOT assign to Full Touch.
Warning only	Control check description displays at the POS. Cashier must press *Clear* key to continue.
Delayed Supervisor Approval	Control check description displays at the POS at the end of transaction.

Control Check Type	Description
Invisible	Indicates that no other Control Check Type will be processed except for the Reason Code list. Choose this type to prompt the cashier to enter a Reason Code when the control check is triggered.

5. If required, enter the appropriate privilege number.

Note:

A control check may have an attached privilege number. Cashiers may also be assigned privileges, see the *Cashier Utilities* chapter, to determine their authorization level for handling control checks at the POS terminal. A cashier is required to take the appropriate action when a control check is triggered, based on the privilege assigned. For example, if a cashier is assigned privilege 1, and a control check with privilege 1 is triggered, the cashier is authorized to continue by pressing the *Clear* key. If the cashier does not have this privilege, another authorized cashier or supervisor with the correct privilege must enter their cashier number and password to continue the transaction.

6. (Optional) Specify a template number. You can design templates to print whatever detail is required when control checks are triggered.
7. If the template number is **0**, the system does not look for a template. If a number is specified, cashiers are prompted to insert a slip in the printer for slip validation.
8. In the **Control Check Type for Self Checkout** field, choose the control check type from the drop-down list, as described below. The option you choose depends on the amount of control or security you require at a self-checkout POS terminal.

Note:

In stores without self-checkout lanes, the system will bypass these settings. The system default for **Control Check Type for Self Checkout** is **Always Accept**.

Control Check Type	Description
Always Accept	The self-checkout POS terminal will always accept the specific function.

Control Check Type	Description
Accept w/Delayed Warning	The self-checkout POS terminal will accept the specific function but will issue a warning for customer assistance (authorized personnel) at the end of order.
Handled by Self Checkout	The self-checkout POS terminal will analyze the conditions for the specific function and will handle the situation (available only with NCR SSCO).
Reject & Stop	The self-checkout POS terminal will reject the specific function. Authorized personnel will be required to accept/reject the condition for the sales order to proceed.

9. To selectively log specified control checks issued on the POS terminals to the transaction log (TLOG) file, click the **Write to Transaction File When** field's selection arrow and choose one of the following options:

Write to TLOG When:	Description
Not Active	Control check is not active.
Never	Never write to the TLOG file.
Accept	Only write to the TLOG file when the control check is accepted.
Cancel	Only write to the TLOG file when the control check is canceled.
Always	Always write to the TLOG regardless of the cashier's action.

10. Click the new Reason Code Type field to select the Reason Code Type to associate with an invisible Control Check. All reason codes assigned to this reason code type will be a valid option to select when the Control Check is called.

Note:

If this field is left empty, Control Check Reason Code functionality will be disabled.

11. (Optional) Check the **Display Quantity/Amount at end-of text** checkbox to display an associated quantity or amount after the Control Check text. (For example, when a limit has been exceeded, the limit amount would be displayed).
12. For installations using Retalix Pocket Office (RPO) Remote Authorization Module (RMA), click the RPO Action field's selection

arrow and choose one of the following options for this Control Check:

RPO Action:	**Description**
Inform Only	Display on the HHC (Hand-held Computer) but do not allow approval from the HHC. Resolution must occur at the POS.
Allow Approval	Display on the HCC and allow approval from the HHC. Resolution may occur either from the HHC or the POS.
None	Do not display the Control Check on the HHC.

Note:

When a Control Check is approved from the HHC, the message "Event Approved Remotely" will display on the cashier display. Press **C** to continue. The transaction file will indicate that the event was approved by RPO.

13. To print the Quantity/Amount at the end of the ticket, select this checkbox.
14. Click *OK* or *Apply* to save.

POS Item Messages

The POST Item Messages option enables you to add, edit, and delete POS terminal item messages.

Use this function, for example, to remind customers to buy an accompaniment item. As the cashier rings the item, the message will appear on the cashier display. This function can also be used to print a Proof of Purchase slip for items paid for on deposit (i.e. Cakes, Floral Arrangements, Deli Orders, etc.).

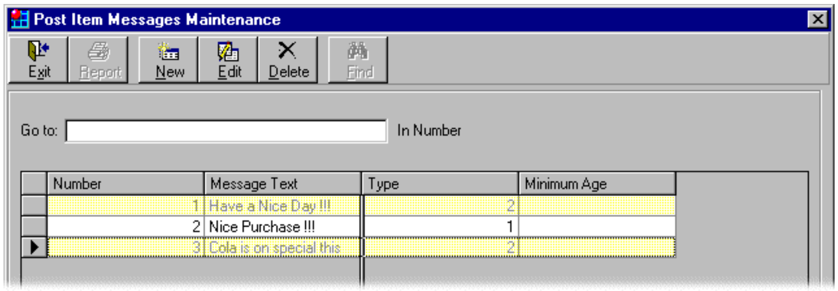
Note:

An example Proof of Purchase is with the Template Name of "**_TMPL_ENDR**" is located in Templates/Multi Part Receipts Maintenance.

Once you have defined POST messages, you can link them to items. For more information, refer to *PLU Maintenance* in the *PLU Management* chapter.

To add a new POS item message

1. From the Database Management menu, select POST Controls and then POS Item Messages. The POST Item Messages list appears.



2. On the toolbar, select *New*.
   The POST Item Messages Maintenance dialog box appears.

3. Enter the required message number.
4. Enter up to two lines of text.
5. Select the Message Type from the drop-down list. Options are:
   - Non-active
   - Display when item is sold
   - Display when total is pressed
   - Sale not allowed

- Display if double scanned
- Data Item Entry

6. Type in the minimum age, if required. When an item linked to the message is sold, the POS terminal prompts the cashier to check the customers' age.
7. (Optional) Click the POS Item Message CC field's selection arrow and choose the Control Check to link to this POS Item Message.
8. For proofs of purchase slips, in the "Endorsement Template" field enter the name of the template to print when the POS Item Message is generated at the time of sale.
9. If a Control Check is selected in step 7, check the Suppress POS Item Message box if you want to suppress the message from appearing when the Control Check is issued.

Note:

For example, this feature is useful to display informational message on the Self-Checkout Shopper's Assistant when a recalled item is scanned on the Self Checkout Terminal. The Control Check (e.g. "Item not for sale. Item has been recalled") must be set to "Inhibit Activity" and the "Control Check Type for Self Checkout" set to "Handled by Self Checkout" (in Control Checks Maintenance).

10. Click *OK* or *Apply* to save.

The following table explains how the POS Item Message CC field and the Suppress POS Item Message box work in conjunction with each POS Item Message Type.

POS Item Message Type	**With CC Attached**	**With Suppress POS Item Message Selected**
Non-Active	No action	No action
Display when item sold	Display POS item message and then CC if cashier selects YES. Add item to transaction if CC is satisfied. Do not add item if CC not satisfied or cashier selects NO.	POS item message not displayed. Display CC and add item if CC satisfied. If CC not satisfied do not add item.
Display when total pressed	When the cashier totals the transaction display POS item message and then CC after the cashier select YES or NO. Allow the transaction to continue once CC is satisfied.	POS item message not displayed. Display CC and allow the transaction to continue once CC satisfied.
Sale not allowed	No action	No action

Display if double scanned	Display POS item message and then CC after cashier selects YES or NO. Add item to the transaction and allow transaction to continue after CC satisfied.	POS item message not displayed. Display CC and allow the transaction to continue once CC satisfied
Data Item Entry	CC will not be supported for Data Item Entry	CC will not be supported for Data Item Entry

Tare Weights

Many items sold by weight are packed in containers that may account for a large percentage of the total item weight. Customers do not (usually) pay for containers, so container weights must be calculated and subtracted from the actual item weight.

Use the Tare Weights option to specify tare weights for weighed items. Tare weight is the weight of a container that is deducted from the gross weight of the item, to obtain the net weight.

For a tare weight to be deducted from a weighed item, the following must be performed in the item record (in PLU Maintenance):

- The Weighed Item parameter must be checked.
- The tare code representing the weight of the container must be entered in the Tare Weight field.

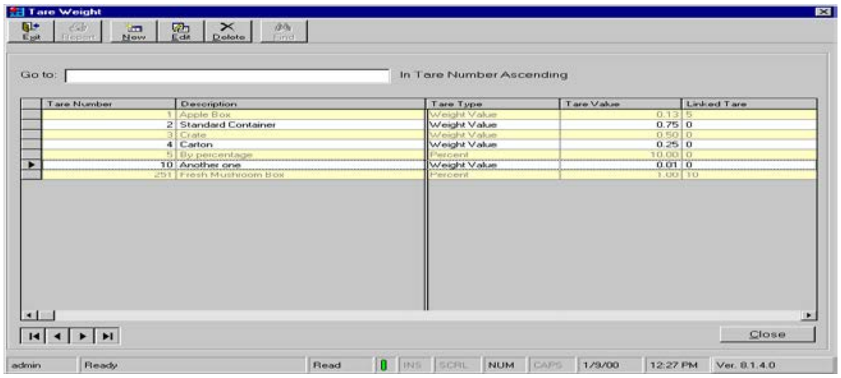
For example, if an item is sold by weight, and its container weighs .25 pounds, then a tare weight needs to be set up at 0.25. In the PLU record, specify that this item is a weighed item. Then enter the tare code representing 0.25 in the Tare Weight field. When the item is sold, 0.25 is automatically subtracted from the item weight entered (or weighed) at the POS terminal.

Note:

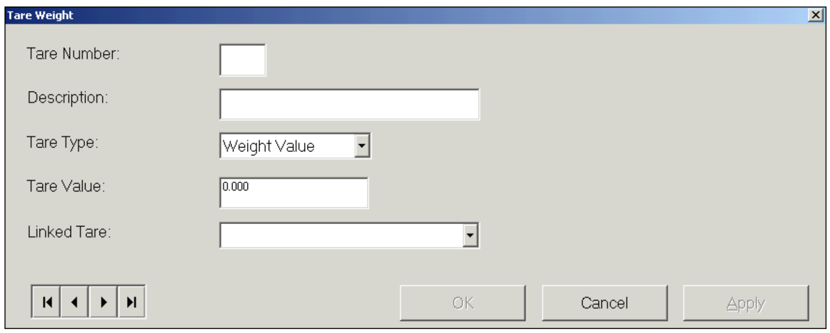
Tare codes can be defined in terms of weight or percentages. Codes 1-30 are allocated to tare weights. Codes 31-60 are allocated to tare percentages.

To set up tare weights

1. From the Database Management menu, select POST Controls, then Tare Weights. The Tare Weights Maintenance list appears.



2. On the toolbar, select *New*. The Tare Weight Maintenance dialog box appears.



3. Enter the appropriate tare weight number. 1 to 30 are reserved for tare weights, 31 to 60 are for tare percentages.
4. Type in the description.
5. Specify the tare type: weight value or percentage.
6. Enter the tare value, using the decimal point as required.

Note:

If the tare type is by weight, the weight entered cannot exceed 30 pounds. If the tare type is by percentage, the percentage entered cannot exceed 99.99 percent.

7. (Optional) To combine this tare with another established tare for purposes of combining weights (or percentages), click the field selection arrow select the desired tare.
8. Click *OK* or *Apply* to save.

Service Fee Programming

This option lets you charge customers a service fee (commission) for giving them cash back. Use this option to set the fee range.

Service Fee Programming lets you set cash back fees (for check transactions) and to charge customers a fee for performing cash tender-purchase transactions (i.e., giving cash in exchange for a paycheck or when using a debit card).

The fee is typically based on the cash back amount of a normal sale, or on the purchase amount in a cash tender-purchase transaction. In addition, fees can be based using a combination of the following scenarios:

- Charge the greater of a designated percentage amount (of the tendered check) or a fixed dollar amount
- Charge the lesser of a designated percentage amount (of the tendered check) or a fixed dollar amount
- Waive the service fee if a Member Card is presented during the transaction
- Charge the service fee only on the over tendered amount

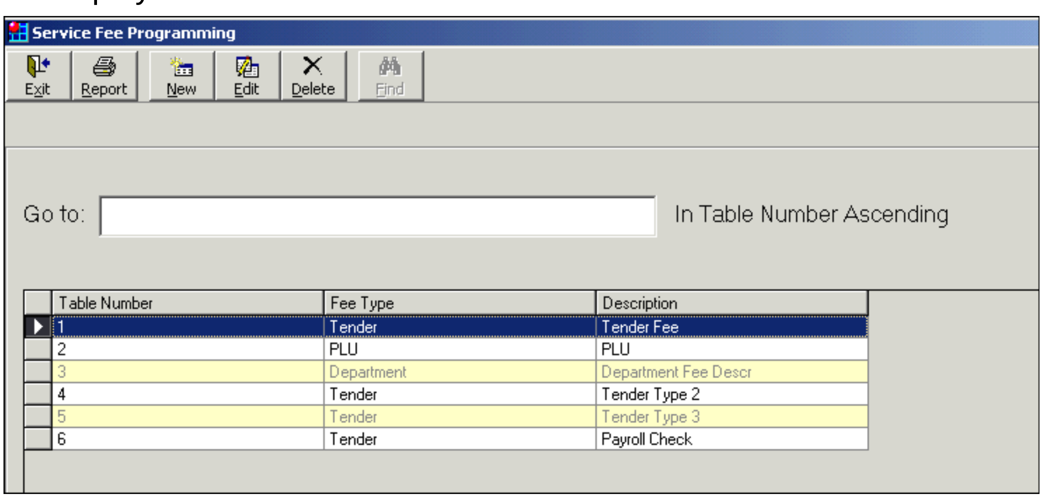
The fee prints on the customer receipt as a minus value, above the change amount.

Before you define PLU-type service fee ranges, you must define PLUs with suitable descriptions, and the appropriate prices (fees) to charge for each range. For department-type service fees, define a department where service will be allocated.

You can define up to five different tables, each containing fee schedules their required cashback or tender value ranges. You can change the default fee type (by Tender Number, by PLU Number, or by Department Number) by pressing the *F3* (Select Fee Type) key.

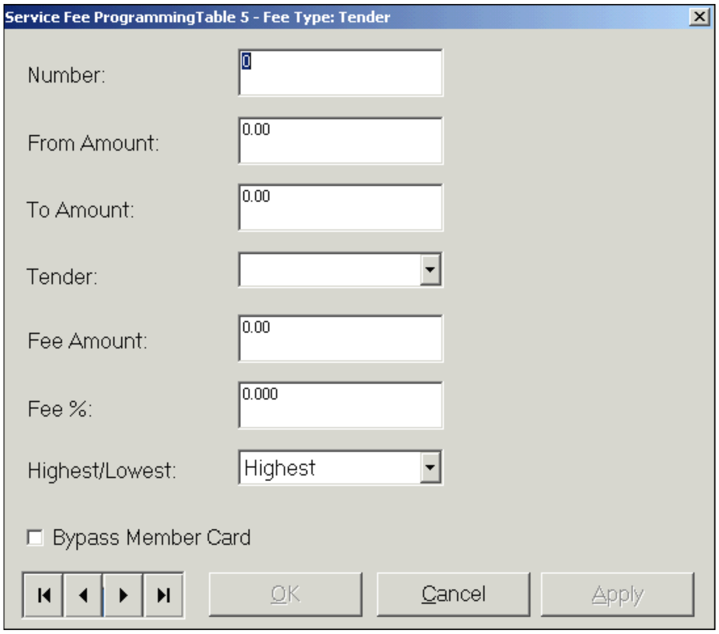
To add a new service fee

1. From the Database Management menu, select POST Controls, then Service Fee Programming. The Service Fee Programming screen displays.



2. Click the **New** button. A new service fee record is allocated.

3. Enter the Table Number, Fee Type (using the field's selection arrow) and Description.
4. When finished, click **Apply.**
5. Click **New.** The Service Fee Programming Table appears.



6. Complete the fields for the record number entered. (See field descriptions below for each fee type).
7. When finished, click **OK.**
8. Repeat steps 5 through 7 for each record to add to the table.
9. When finished, click **Cancel** to return to the Service Fee Programming screen.
10. Repeat steps 1 through 8 to create a new table or press **Close** to return to the Main Menu.

For Tender and Department Fee Types, the Service Fee Programming Table contains the following fields:

Field	Description
Number	Enter a number for each service fee range. Up to 10 records can be defined.
From Amount	Enter the Minimum amount tendered for the Service Fee to apply.
To Amount	Enter the Maximum amount tendered for the Service Fee to apply.

Field	Description
Tender (Tender Fee Type)	Click the field's selection arrow and choose the tender to which the service fee applies. **Note:** To implement the fee, you must still attach the fee to the tender within Tender Maintenance's Specific 1 tab.
Department (Department Fee Type)	Click the field's selection arrow and choose the department to which the service fee reports. **Note:** To implement the fee, you must still attach the fee to the tender within Tender Maintenance's Specific 1 tab.
Fee Amount	Enter the fixed amount to be applied as the Service Fee.
Fee%	Enter the percentage of the amount tendered to be applied as the Service Fee.
Highest/Lowest	Click the field's selection arrow and choose which fee to be applied, the higher or lower fee (if both a Fee Amount & Fee Percent have been set).
Bypass Member Card checkbox	Check this box to waive the service fee (if a Member Card has been entered within the sale).

If a member card is entered in a ticket (that has been partially tendered) with a service fee previously applied, the following message will be displayed to the cashier: "Service Fee was applied before the Member Card was entered. You may need to void then re-enter the tender. Press clear to continue." Press **Clear** in response to the message, void and then re-enter the tender if necessary.

For PLU Types, Service Fee Programming Table contains the following fields:

Field	Description
Number	Enter a number for each service fee PLU Type. Up to 10 records can be defined.
From Amount	Enter the Minimum amount tendered for the Service Fee to apply.
To Amount	Enter the Maximum amount tendered for the Service Fee to apply.
PLU Number	Enter the PLU Number (or click the Ellipsis Button and use the PLU Item Selector to locate the item) that will be used for obtaining the fee amount and movement reporting.

Note:

The Service Fee description that will be printed on the receipt is dependent on the Fee Type of the Fee Table being used. For **Tender** Type Service Fees, the Tender record description will print, for **Department** Type Service Fees, the department description will print and for **PLU** Type service fees the PLU description (from the item record) will print.

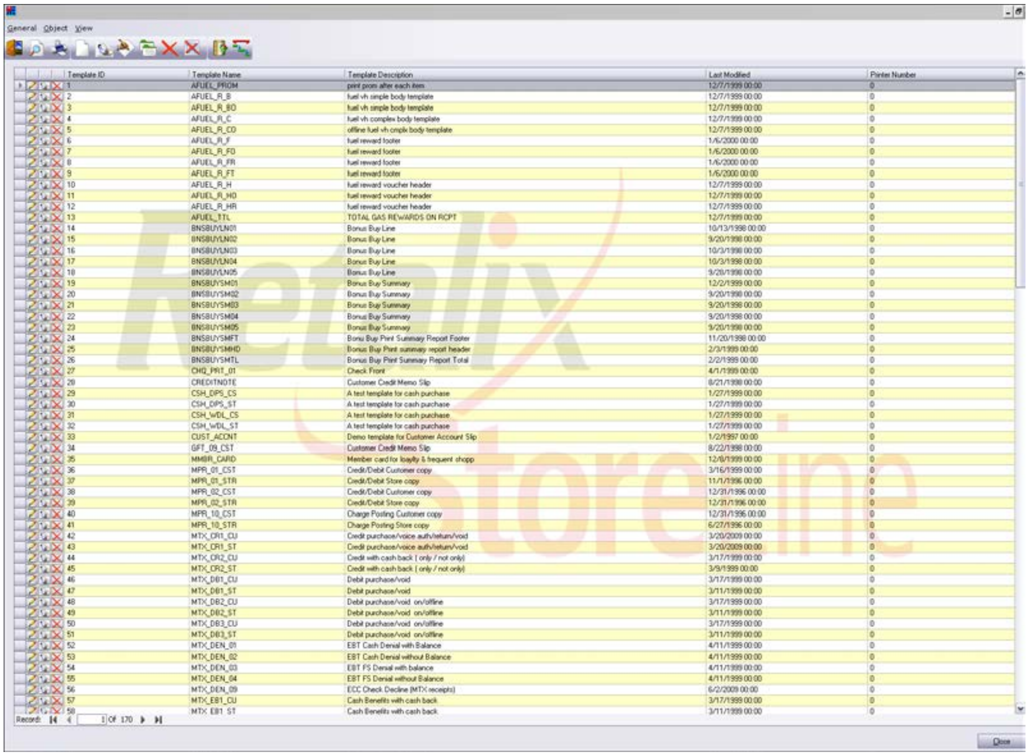
Templates/Multi-Part Receipts

The Templates option allows you to design, modify or delete a template for check printing and validation during tendering at a POS terminal. A template is the layout of what must print on a check front (for automatic check printing), and on the back of a check or credit card slip, etc. (for endorsement. You may need to design different templates for specific banks.

In addition to templates, you can design multi-part receipts for the EBT tenders: EBT Cash and EBT Food Stamps.

Names assigned to templates display on the POS terminal during tendering, (where endorsement printing has been set up for a tender). The cashier must choose the applicable template.

ISS45 comes installed with pre-defined templates. When Templates/Multi Part Receipts is selected from the Database Management's POST Controls folder, a multi-grid form displays all the templates defined in the system.



Each row represents a single template with three icons available for editing, viewing, and deleting () functionality. The same functions can be executed from the top of the screen (for the selected template) along with buttons for creating, filtering, grouping, saving, copying and printing templates.

The toolbar contains icons to perform the following functions:

- Exit the Template Manager
- Display a preview of Template List (prior to printing).
- Print the Template List
- Create a new template
- View a highlighted template
- Edit a highlighted template
- Copy the highlighted template
- Delete the highlighted template

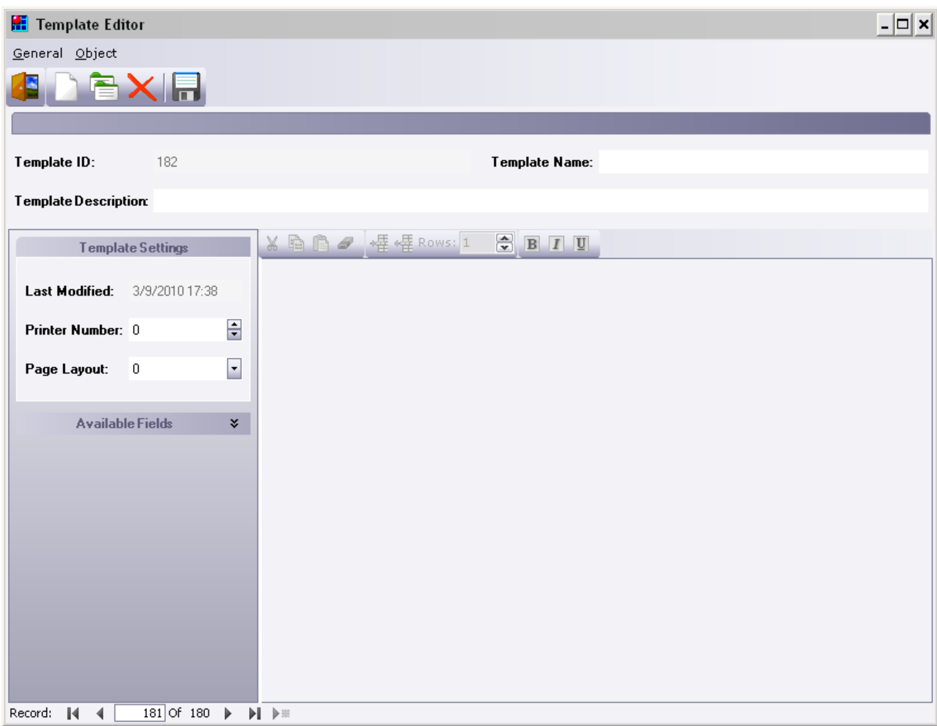
- Delete all the templates
- Filter the list of templates by desired column constraint
- Group the template list by the selected column heading

Adding a New Template

This function enables you to add new templates to the templates file.

To create a new template

1. Click  from the toolbar. A window displays for entering the key name of the template.



2. Click inside the Template Name field and enter a name for the template. This Template Name is the template's ID in the ISS45 system. The Template Name must be unique and is a mandatory entry.

    - For *check-front* printing, template names (or key numbers), must be in the format:
      CHQ_PRT_xx
      where xx is the template number. Template number can be up to 2 digits.

- For *check endorsement* printing, template names must be in the format:
  TEMPLAT_xx
  where xx is the template number. Template number can be up to 2 digits.

  Note:

  Templates are assigned to a tender through Tender Maintenance screen using the “Endorsement template No” field (on the Template Tab). The value entered corresponds to the ## in the template name (above).

  If you enter a name that already exists, an error message displays.

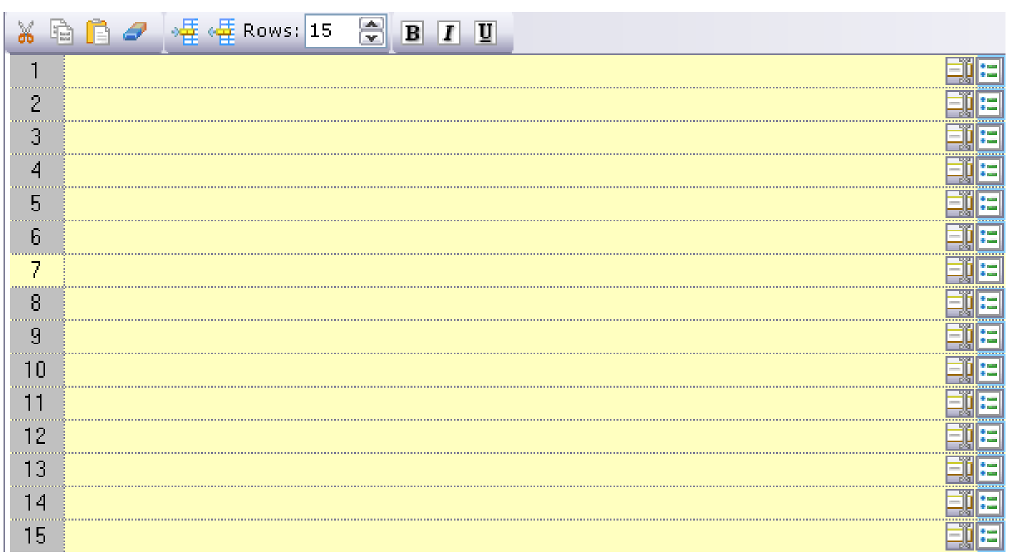
- For *multi-part receipts* (store copy with signature), names (or key numbers), must be in the format: **MPR_nn_STR**
  where nn is the receipt (template) number. Use this number in tender maintenance.

- For *multi-part receipts* (customer copy), names (or key numbers), must be in the format:
  MPR_xx_CST
  where xx is the receipt (template) number. Use this number in tender maintenance.

Note:

To be able to print both store and customer copies, both multi-part templates must have the same receipt (template) number.

3. Click inside the Template Description and enter a description for the template. When finished, press Tab. The open rows display.



Designing a Template

Icons representing standard text editing tools such as Cut, Copy, Paste, Clear, Insert Line, Delete Line, Bold, Italic and Underline are found at the top of the design grid.

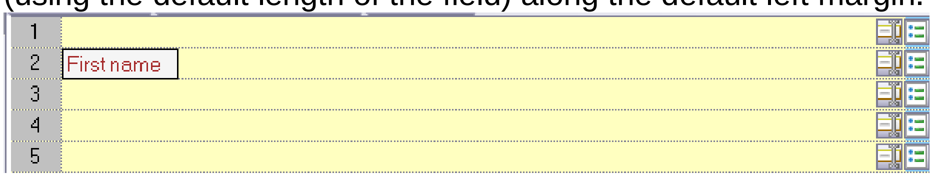
The number of rows to display can be changed by entering a value in the **Rows** field (or using the up\down arrows to increment or decrement the value).

Entering a line

To insert a line in the template, click the line number above where you wish to insert a line and click the insert line  button. The new line is automatically numbered.

To insert a field

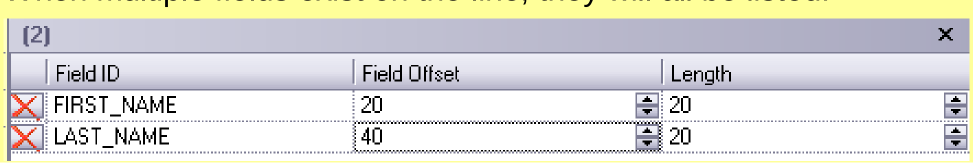
1. Click the line number where you wish to insert a field.
2. (Optional) To enter text before the field is to appear, click inside the row and type the desired text to appear before the field.
3. Expand the list of available fields by clicking the down arrows . The list of available fields display (and the scroll bar is enabled).
4. Locate the field to insert. The field name block appears on the line (using the default length of the field) along the default left margin.



5. To move the field, click the  icon (on the right side of the row). The field attributes window displays:

Note :

When multiple fields exist on the line, they will all be listed:

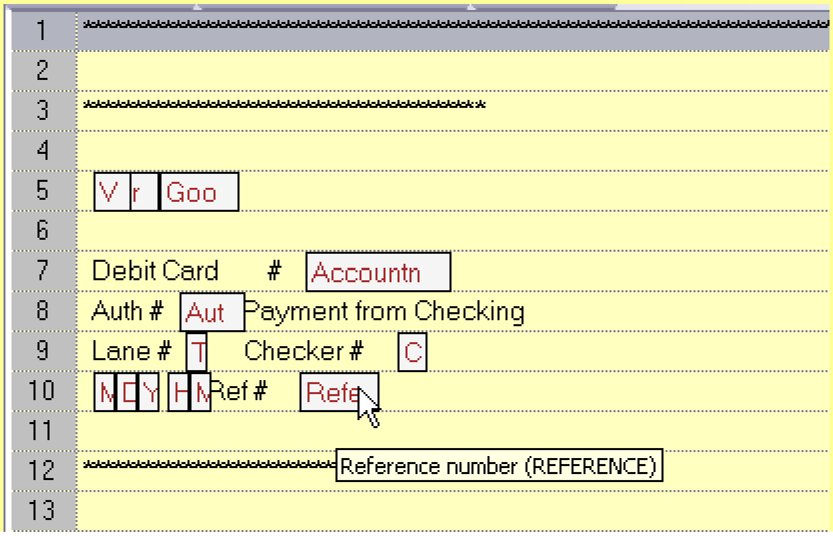


6. Click inside the Field Offset and enter the desired offset location. The field will move to that location.

7. When finished, close the field attribute window by clicking ✕.

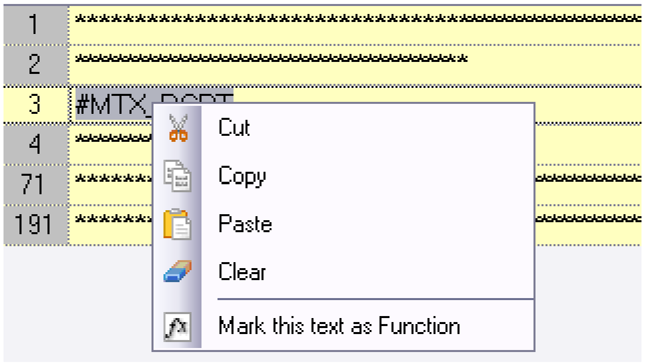
Note :

To display the Field Description and Template Field Command, place the mouse pointer over the desired field and the details will display.

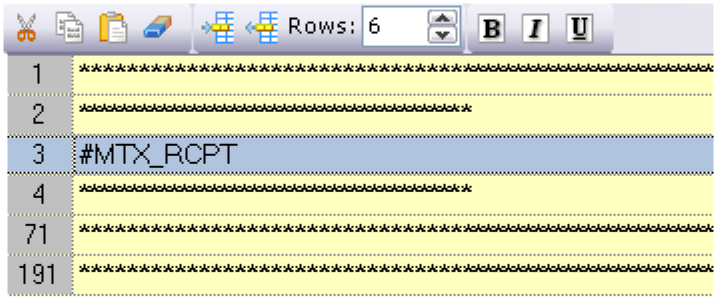


Marking Text as a Function

Template Functions can be entered in text (preceded with the # sign) and then marked as a function. Right-click on the text and choose “Mark this text as a function”.



The row will turn blue to denote a template function command.

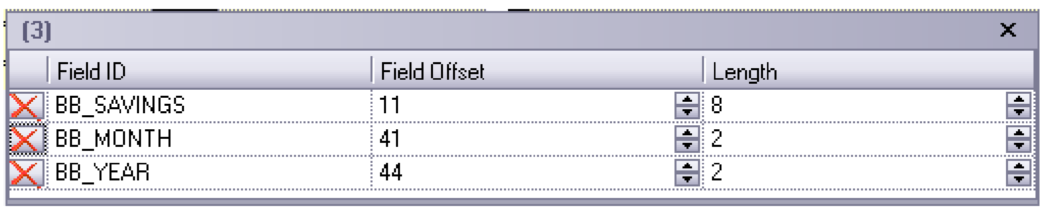


Deleting a line

To delete a line in the template, click the line number you wish to delete and click the delete line button. A line is automatically removed.

Deleting a field on a line

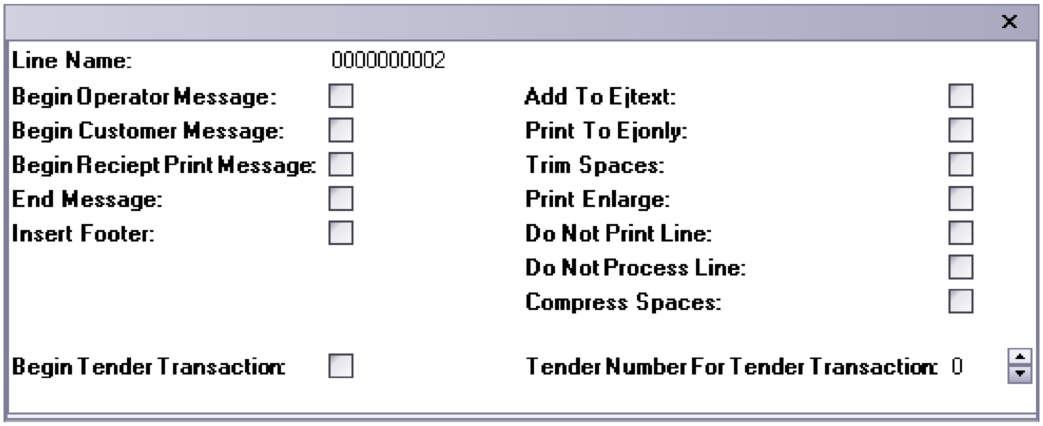
1. Click the line number where you wish to delete a field.
2. Click the icon (on the right side of the row). The field attributes window displays.



3. Click the icon next to the field you wish to delete. A confirmation message displays.
4. Click the **Yes** button to confirm deletion.

Inserting receipt printing commands

To insert various commands into the template (apart from text and Available Fields) click the at the end of the desired row (where the command is to be inserted). The following window displays:



Check the checkbox associated with the command to insert:

- Begin Operator Message
- Begin Customer Message
- Begin Receipt Print Messages
- End Message
- Insert Footer
- Begin Tender Transaction
  - Enter the ISS45 Tender Number associated with the Tender Transaction in the “Tender Number For Tender Transaction”

Note:

Additional line specific attributes can be set as follows:

- Add to Electronic Journal Text

- Print to Electronic Journal Only

- Trim Spaces

- Print Enlarged Text

- Do Not Print Line

- Do Not Process Line

- Compress Spaces

Updating a Template

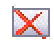
To update the contents of a template:

1. Locate the template to modify in the template list and click the  button.

2. Follow the instructions in 'Adding a New Template', earlier in this chapter.

Deleting a Template

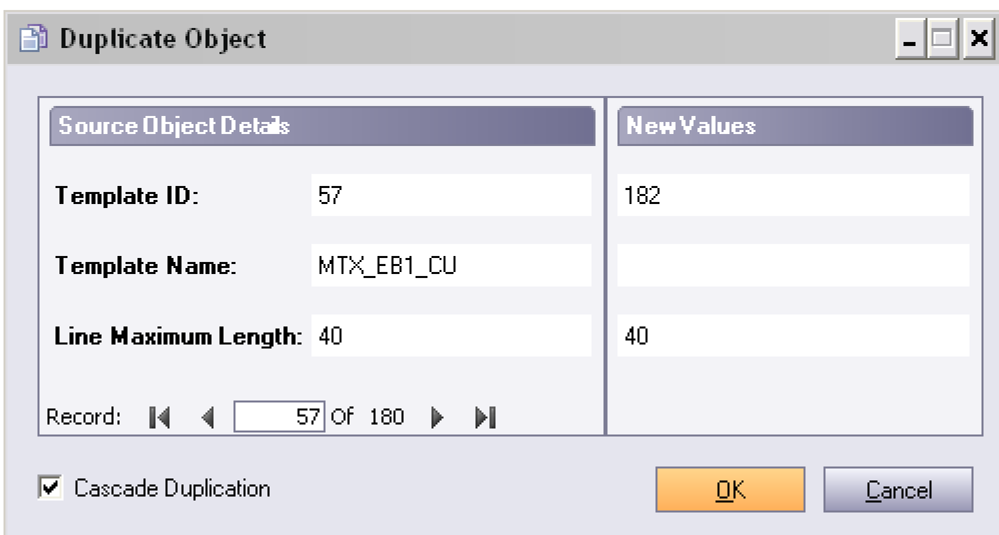
This function is used to delete a template from the templates file.

1. Locate the template to modify in the template list and click the  button. A confirmation message displays.
2. Select *Yes* to delete the template.

Copying a Template

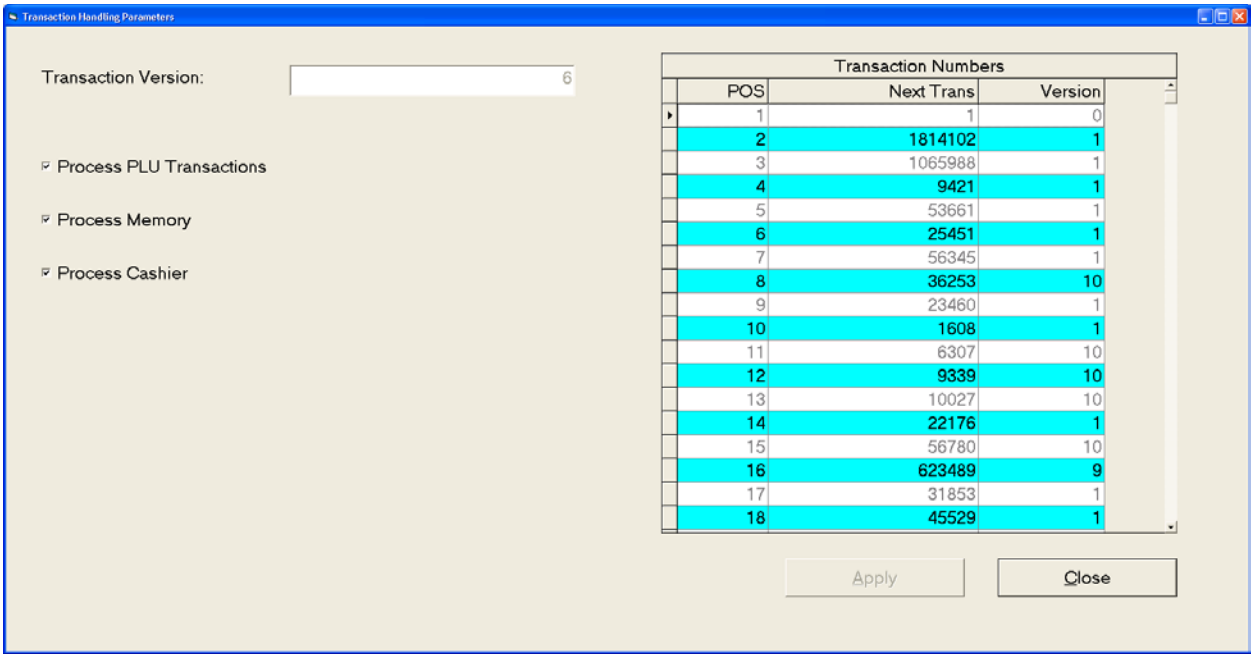
This function is used to create a new template by copying an existing template.

1. Locate the template to copy in the template list and click the  button. The Duplicate Object window displays the attributes of the source template and assigns an unused Template ID number for the new template.



2. In Template Name field, enter in the name of the template you want to create.
3. (Optional) Change the Line Maximum Length if desired.
4. Select *OK*. The template is copied to the specified name.
5. To modify the template, follow the instructions in 'Adding a New Template' earlier in this chapter

Transaction Handling Parameters


Transaction Handling Parameters

Transaction Version: 6

Process PLU Transactions

Process Memory

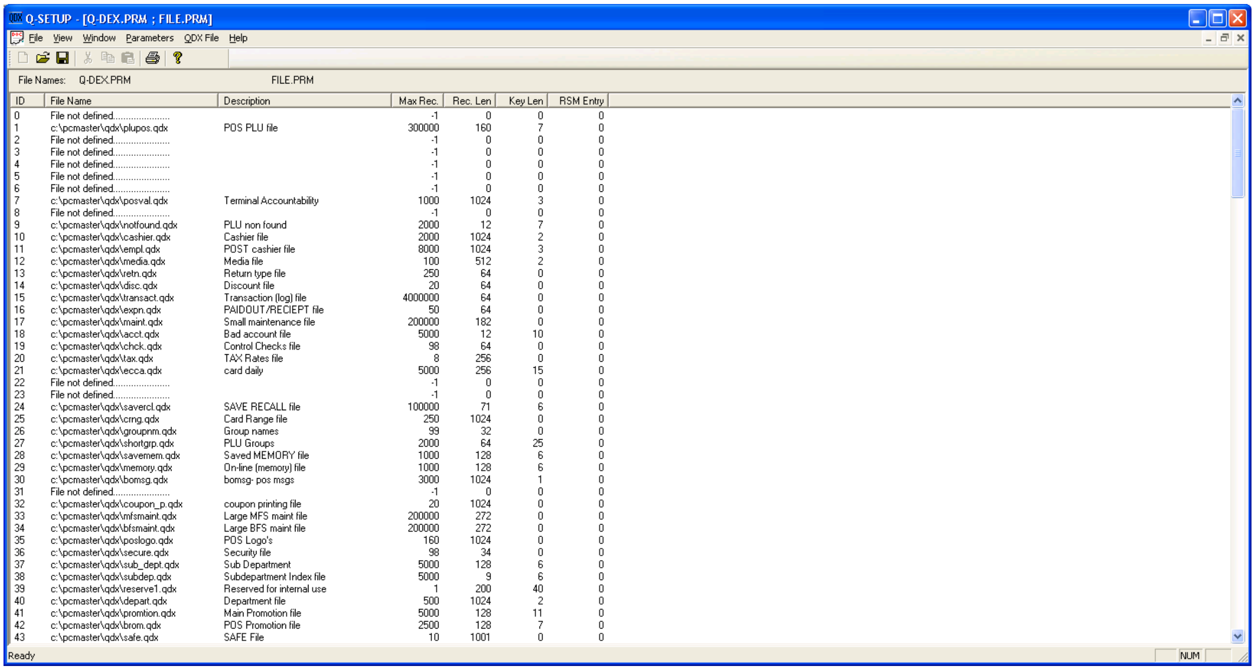
Process Cashier

Transaction Numbers

POS	Next Trans	Version
1	1	0
2	1814102	1
3	1065988	1
4	9421	1
5	53661	1
6	25451	1
7	56345	1
8	36253	10
9	23460	1
10	1608	1
11	6307	10
12	9339	10
13	10027	10
14	22176	1
15	56780	10
16	623489	9
17	31853	1
18	45529	1

Apply Close

Quick Dex Definition

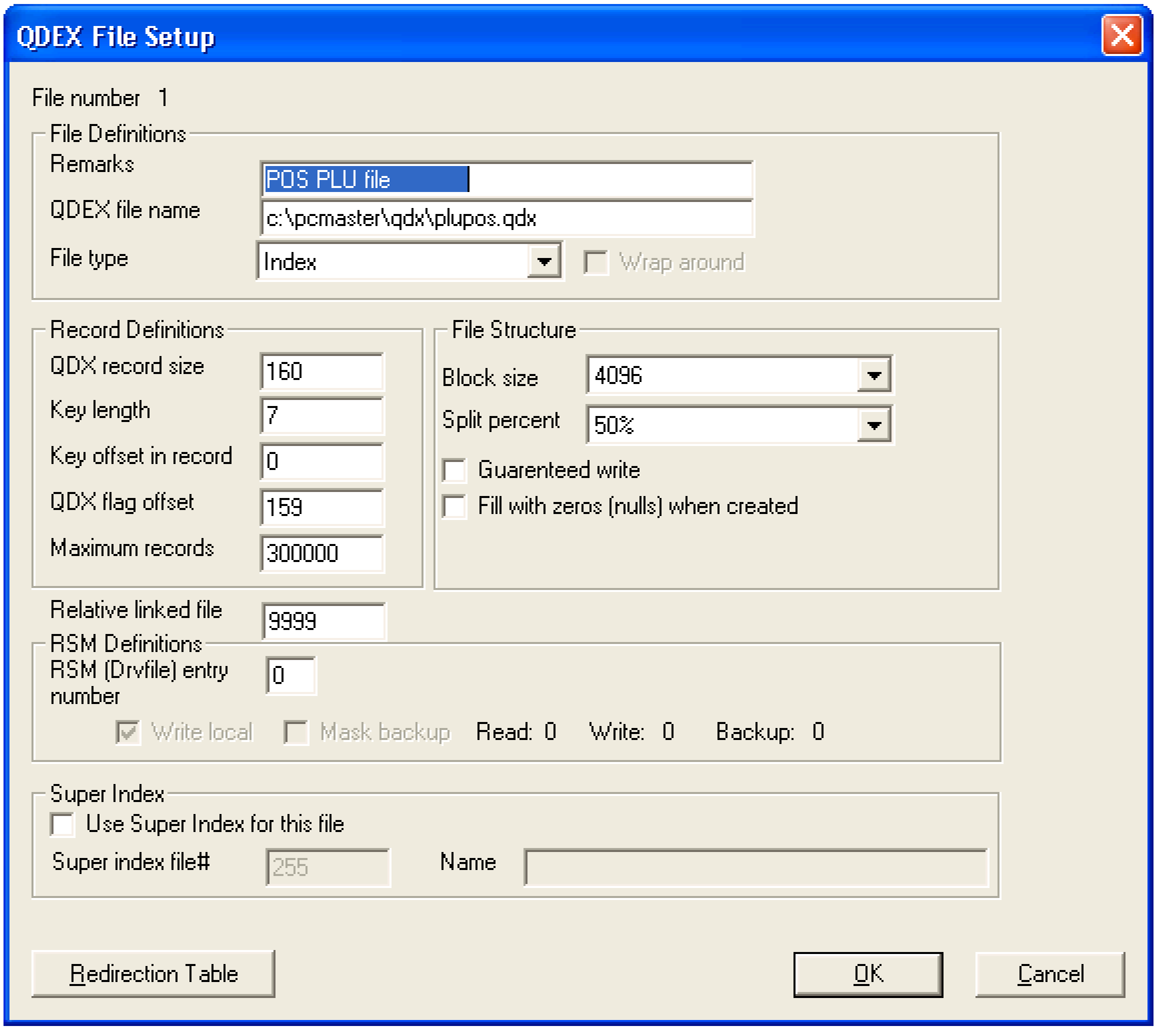

Q-SETUP - [Q-DEX.PRM ; FILE.PRM]

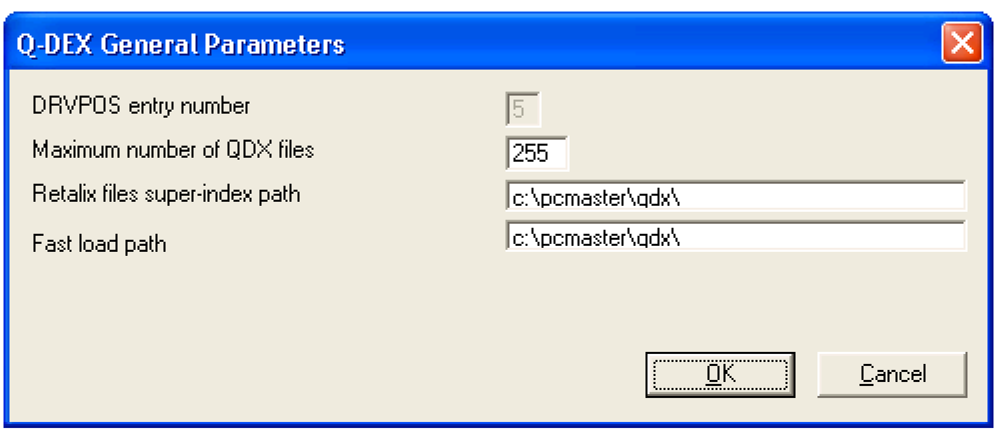
File View Window Parameters QDX File Help

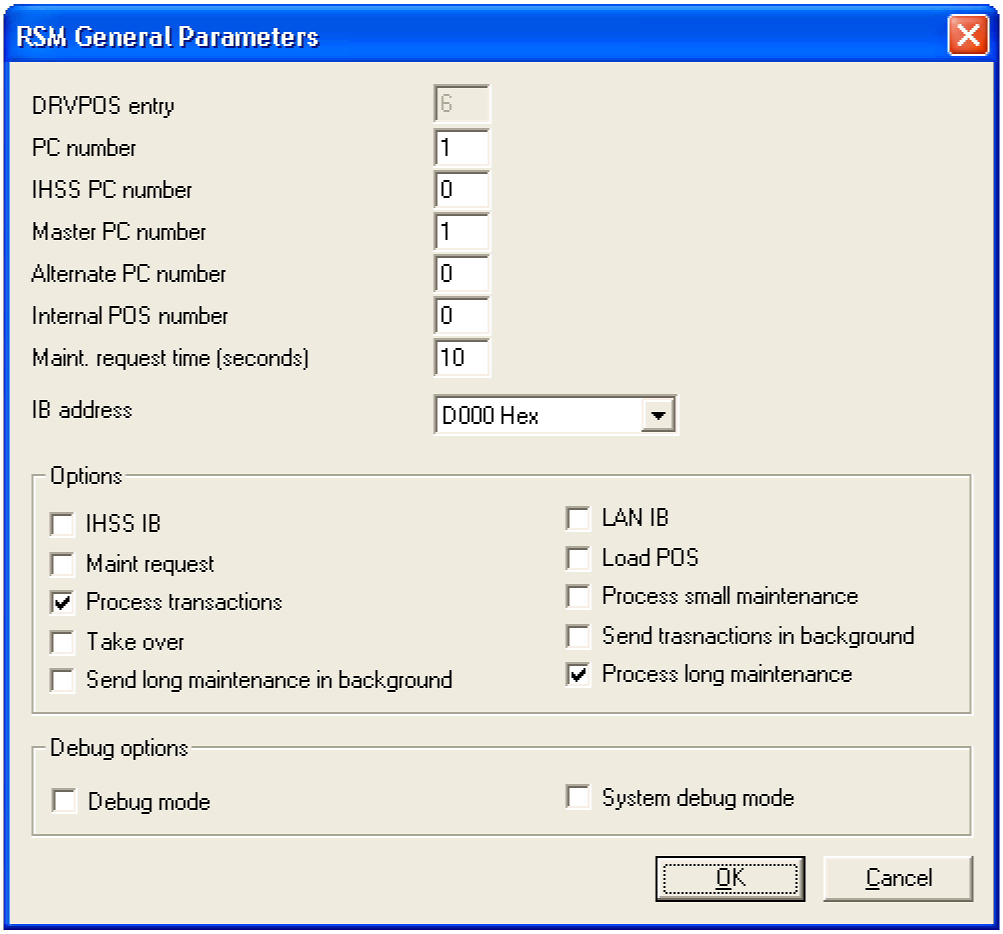
File Names: Q-DEX.PRM FILE.PRM

ID	File Name	Description	Max Rec.	Rec. Len	Key Len	RSM Entry
0	File not defined.....................		-1	0	0	0
1	c:\pcmaster\qdx\plupos.qdx	POS PLU file	300000	160	7	0
2	File not defined.....................		-1	0	0	0
3	File not defined.....................		-1	0	0	0
4	File not defined.....................		-1	0	0	0
5	File not defined.....................		-1	0	0	0
6	File not defined.....................		-1	0	0	0
7	c:\pcmaster\qdx\posval.qdx	Terminal Accountability	1000	1024	3	0
8	File not defined.....................		-1	0	0	0
9	c:\pcmaster\qdx\notfound.qdx	PLU non found	2000	12	7	0
10	c:\pcmaster\qdx\cashier.qdx	Cashier file	2000	1024	2	0
11	c:\pcmaster\qdx\empl.qdx	POST cashier file	8000	1024	3	0
12	c:\pcmaster\qdx\media.qdx	Media file	100	512	2	0
13	c:\pcmaster\qdx\retn.qdx	Return type file	250	64	0	0
14	c:\pcmaster\qdx\disc.qdx	Discount file	20	64	0	0
15	c:\pcmaster\qdx\transact.qdx	Transaction (log) file	4000000	64	0	0
16	c:\pcmaster\qdx\expn.qdx	PAIDOUT/RECIEPT file	50	64	0	0
17	c:\pcmaster\qdx\maint.qdx	Small maintenance file	200000	182	0	0
18	c:\pcmaster\qdx\acct.qdx	Bad account file	5000	12	10	0
19	c:\pcmaster\qdx\chck.qdx	Control Checks file	98	64	0	0
20	c:\pcmaster\qdx\tax.qdx	TAX Rates file	8	256	0	0
21	c:\pcmaster\qdx\ecca.qdx	card daily	5000	256	15	0
22	File not defined.....................		-1	0	0	0
23	File not defined.....................		-1	0	0	0
24	c:\pcmaster\qdx\savercl.qdx	SAVE RECALL file	100000	71	6	0
25	c:\pcmaster\qdx\crng.qdx	Card Range file	250	1024	0	0
26	c:\pcmaster\qdx\groupnm.qdx	Group names	99	32	0	0
27	c:\pcmaster\qdx\shortgrp.qdx	PLU Groups	2000	64	25	0
28	c:\pcmaster\qdx\savemem.qdx	Saved MEMORY file	1000	128	6	0
29	c:\pcmaster\qdx\memory.qdx	On-line (memory) file	1000	128	6	0
30	c:\pcmaster\qdx\bomsg.qdx	bomsg- pos msgs	3000	1024	1	0
31	File not defined.....................		-1	0	0	0
32	c:\pcmaster\qdx\coupon_p.qdx	coupon printing file	20	1024	0	0
33	c:\pcmaster\qdx\mfsmaint.qdx	Large MFS maint file	200000	272	0	0
34	c:\pcmaster\qdx\bfsmaint.qdx	Large BFS maint file	200000	272	0	0
35	c:\pcmaster\qdx\poslogo.qdx	POS Logo's	160	1024	0	0
36	c:\pcmaster\qdx\secure.qdx	Security file	98	34	0	0
37	c:\pcmaster\qdx\sub_dept.qdx	Sub Department	5000	128	6	0
38	c:\pcmaster\qdx\subdep.qdx	Subdepartment Index file	5000	9	6	0
39	c:\pcmaster\qdx\reserve1.qdx	Reserved for internal use	1	200	40	0
40	c:\pcmaster\qdx\depart.qdx	Department file	500	1024	2	0
41	c:\pcmaster\qdx\promtion.qdx	Main Promotion file	5000	128	11	0
42	c:\pcmaster\qdx\brom.qdx	POS Promotion file	2500	128	7	0
43	c:\pcmaster\qdx\safe.qdx	SAFE File	10	1001	0	0

Ready NUM


QDEX File Setup
File number 1
File Definitions
Remarks
POS PLU file
QDEX file name
c:\pcmaster\qdx\plupos.qdx
File type
Index
Wrap around
Record Definitions
QDX record size
160
Key length
7
Key offset in record
0
QDX flag offset
159
Maximum records
300000
File Structure
Block size
4096
Split percent
50%
Guarenteed write
Fill with zeros (nulls) when created
Relative linked file
9999
RSM Definitions
RSM (Drvfile) entry number
0
Write local
Mask backup
Read: 0
Write: 0
Backup: 0
Super Index
Use Super Index for this file
Super index file#
255
Name
Redirection Table
OK
Cancel


Q-DEX General Parameters
DRVPOS entry number
5
Maximum number of QDX files
255
Retalix files super-index path
c:\pcmaster\qdx\
Fast load path
c:\pcmaster\qdx\
OK
Cancel


RSM General Parameters
DRVPOS entry
6
PC number
1
IHSS PC number
0
Master PC number
1
Alternate PC number
0
Internal POS number
0
Maint. request time (seconds)
10
IB address
D000 Hex
Options
IHSS IB
Maint request
Process transactions
Take over
Send long maintenance in background
LAN IB
Load POS
Process small maintenance
Send trasnactions in background
Process long maintenance
Debug options
Debug mode
System debug mode
OK
Cancel

428983 – Barcode Programming Markdown Option

This feature provides a new barcode type that can be scanned at the POS to sell an item at a reduced price, overriding the price on file for that item. The PLU and new price for the item can be embedded in the barcode. The POS will then parse the barcode and sell the item as it would normally do for an item which has been manually overridden with a new price.

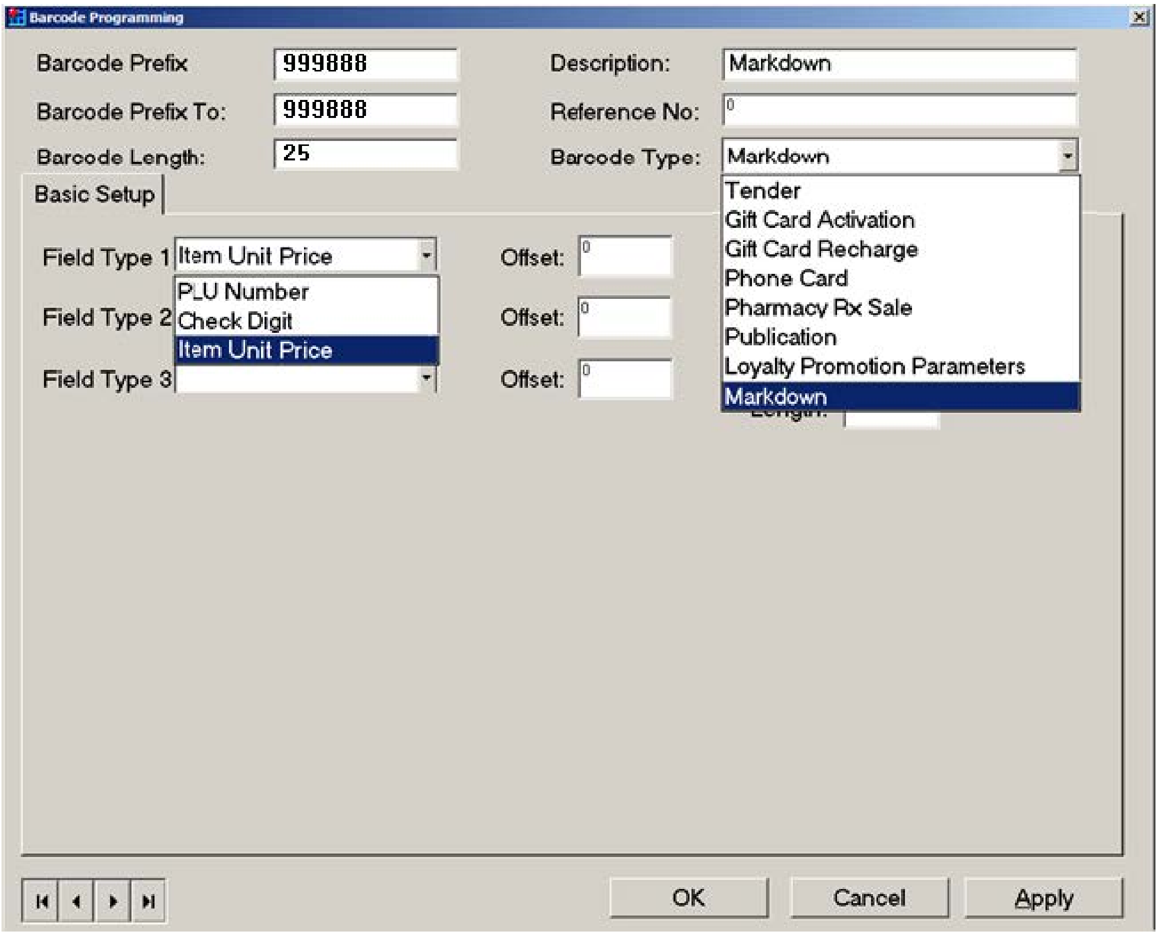
Front Office

A new Markdown barcode type has been added to the list of types in the Dropdown selection of the Barcode types in the Barcode programming maintenance screen. This Barcode Type will be saved as “34” in the BARCOD_DEF.BAR_TYP field.

- This allows the user to select the new Markdown type as the barcode programming type.
- Once the user selects the new barcode type, new corresponding fields will be displayed for the user to fill out in order to setup the markdown barcode.

Three new sets of fields have been added to the Basic Setup tab.

- The Field Type fields 1-3 will contain a dropdown box populated with the following selection:
  - PLU Number (Type = 1)
  - Check Digit (Type = 2)
  - Item Unit Price (Type = 3)
- The Offset field for Field Types 1 - 3 will contain text boxes to populate with the offset values corresponding with the dropdown box selection.
- The Length Field for Field Types 1-3 will contain text boxes to populate with the length values corresponding with the dropdown box and offset value selection.
- Standard validation of existing fields will be performed as done in today’s Barcode programming logic.



Field Specifications

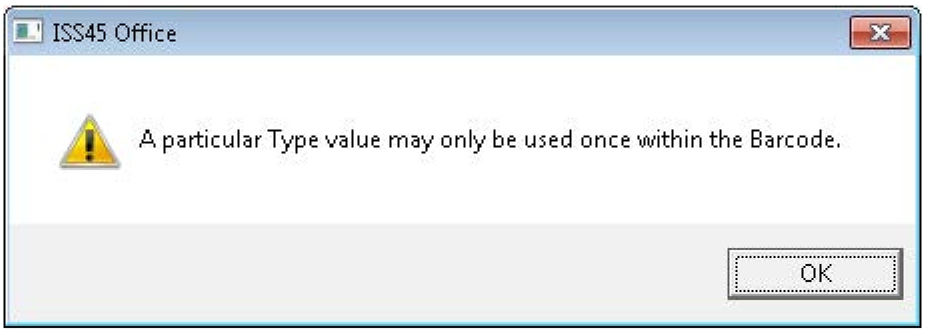
Field Type 1-3 fields

The Field Type fields have been added to the Basic Setup tab on the Barcode Programming form. These fields will be populated with one of the new requested values mentioned above.

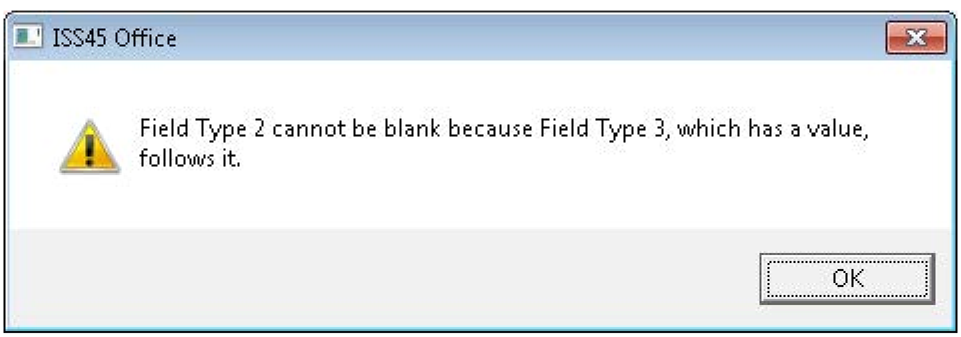
Note: The selected value for Field 1 should be the first field that appears in the barcode; the selected value for Field 2 should be the second field that appears in the barcode; and so on.

Type: Combo box
Default: Null (Blank)
Valid values: Populate with any of the new requested values (If left blank, the value saved to the database is 0)
Send to QDX: Yes (QDX 135)

- When the record is saved, the selected value in this field will be saved to the corresponding Type field in the BARCOD_DEF table: RX_FLD1_TYP, RX_FLD2_TYP, and RX_FLD3_TYP.
- When the user clicks OK/Apply, the following validation will be performed on the Field Type fields:
  - The value in any one Field Type field cannot appear in another Field Type field. If the same value appears in more than one Field Type field, the following error message will be displayed, “A particular Field Type value may only be used once within the Barcode.”



  - There may only be a blank Field Type after all fields in the barcode are populated. This means that there cannot be a blank Field Type followed by a Field Type with a value. For instance, if Field Type 3 is populated with a value, then Field Type 2 cannot be blank. If this situation occurs, the following error message will be displayed; “Field Type %1 cannot be blank because Field Type %2, which has a value, follows it.” %1 and %2 will be replaced with the actual Field Type numbers.

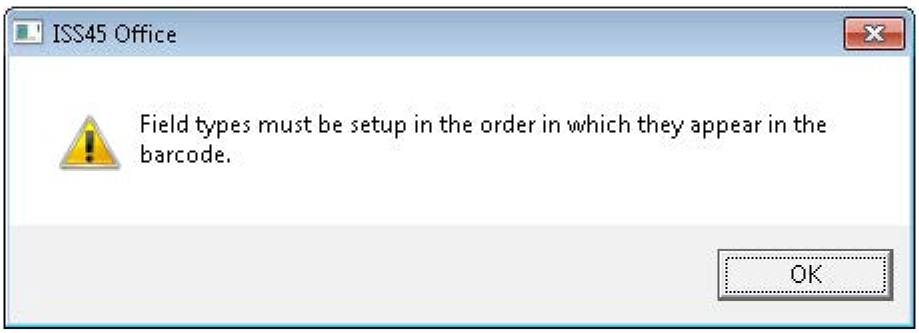


Offset Fields

The Offset fields will be added to the Basic Setup tab on the Barcode Programming form. These fields will be populated with numeric values indicating at which position in the barcode each field starts. The first position in the barcode has a value of 1. An offset value of zero or blank will mean that this Field Type is not being used.

Type: Numeric
Default: Zero (0)
Valid values: 0 – 50
Send to QDX: Yes (QDX 135)

- When the user clicks OK/Apply, the following validation will be performed on the Offset fields:
- The Field Types must be setup in the order in which they appear in the barcode, which will be validated by ensuring the Offsets are in the proper order. This means that the Offset for Field Type 3 (if greater than zero) must be greater than the Offset for Field Type 2, which must be greater than the Offset for Field Type 1. If any of the Offsets are out of order, the following error message will be displayed; "Field Types must be setup in the order in which they appear in the barcode."



Length Fields

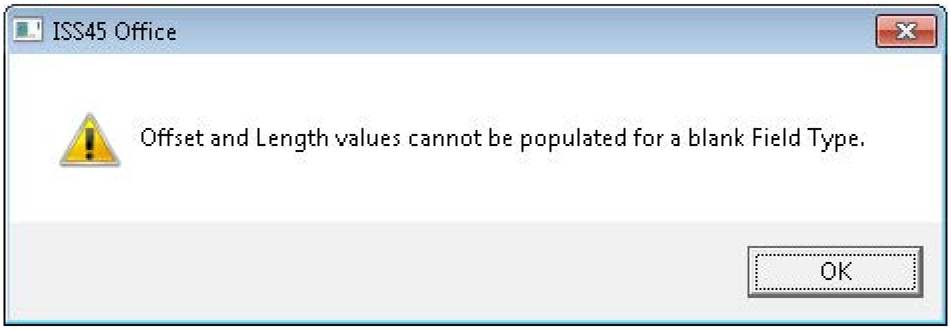
The length fields have been added to the Basic Setup tab on the Barcode Programming form, which will be populated with numeric values indicating the length of each field within the barcode.

Type: Numeric
Default: Zero (0)
Valid values: 0 - 50
Send to QDX: Yes (QDX 135)

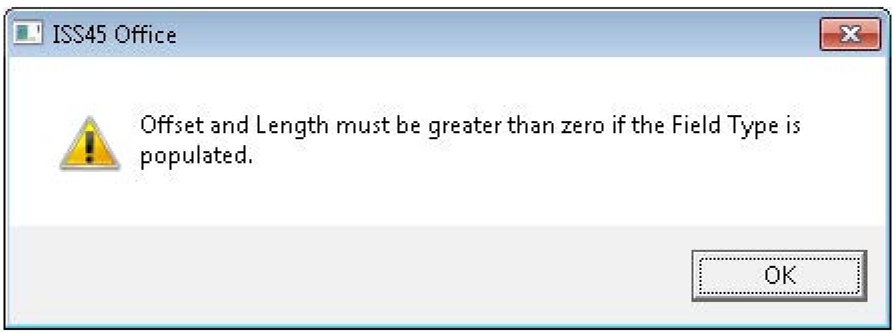
- When the record is saved, the value in this field will be saved to the corresponding Length field in the BARCOD_DEF table: RX_FLD1_LEN, RX_FLD2_LEN, and RX_FLD3_LEN.

When the user clicks OK/Apply, the following validations will be performed on the Length fields:

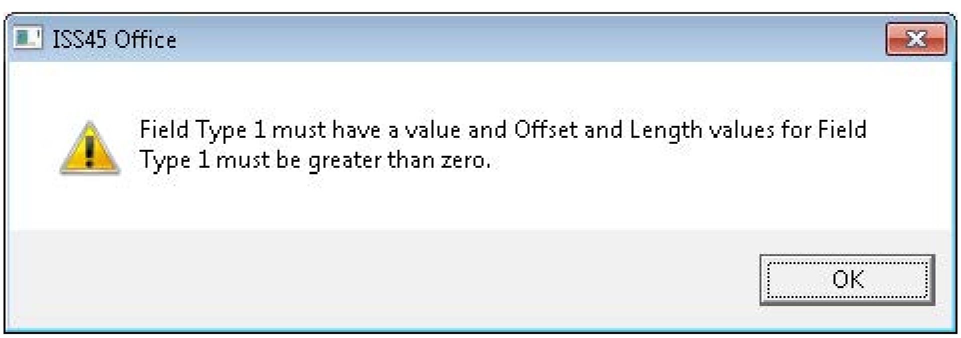
- If a particular Field Type is blank, the Offset and Length fields for that Field Type cannot have values. If the Offset or Length field is populated for a Field Type that is blank, the following error message will be displayed; "Offset and Length values cannot be populated for a blank Field Type."



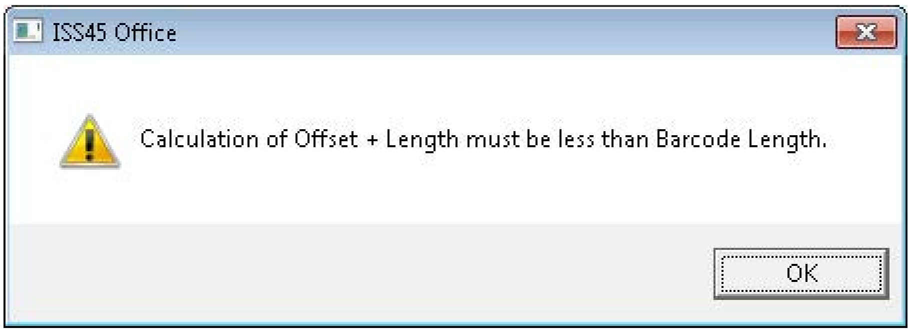
- If the Field Type is populated, the Offset and Length fields must also be populated. If the Offset or Length value is zero for a Field Type that is populated, the following error message will be displayed; "Offset and Length must be greater than zero if the Field Type is populated."



- Since the barcode fields must be setup in the order in which they appear in the barcode and there must be at least one field in the barcode, Field Type 1 must have a value and the Offset and Length for Field Type 1 must have values greater than zero. If Field Type 1 does not have a value or the Offset value or Length value for Field Type 1 is not greater than zero, the following error message will be displayed; "Field Type 1 must have a value and Offset and Length values for Field Type 1 must be greater than zero."

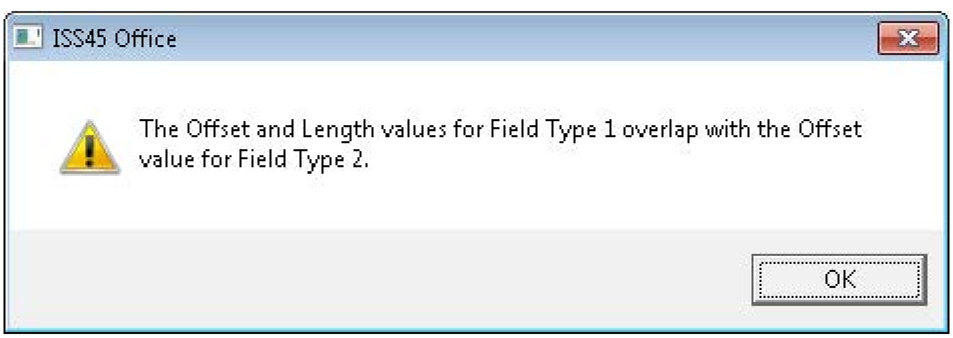


- The value of all Length fields added together cannot be greater than the value in the Barcode Length field. If the value of this calculation is greater than the value in the Barcode Length field, the following error message will be displayed; “Cumulative value of Length fields must be less than Barcode Length.”



- The Offset/Length values for one Field Type cannot overlap with the Offset/Length values for another Field Type. This means that the value of Offset + Length for Field Type 1 must be less than the Offset for Field Type 2; the value of Offset + Length for Field Type 2 must be less than the Offset for Field Type 3.

  If any of the Field Type Offset/Length values overlap with the Offset/Length values for another Field Type, the following error message will be displayed; “The Offset and Length values for Field Type %1 overlap with the Offset value for Field Type %2.” %1 and %2 will be replaced with the actual Field Type numbers that overlap.



POS

The POS is designed to do the following when Cashier scans EAN128 barcode with the appropriate prefix that identifies it as a Markdown-type barcode.

- Recognize and parse new Markdown Barcode type.
- Sell item with new price embedded in barcode.
- Write correct Transaction Log information for the overridden price.
  - PLU (0x01)Transaction
  - Price Override (0x60, 0x14)

- New barcode override flag
- Byte Offset 29, bit #2 (from zero)

- Print on receipt
  - Create and use new appropriate POS formats depending on normal/weight/msu item.
  - Existing POS formats used:
    - POVR_NRM
  - New POS Formats
    - POVRB_ MSU (Split-Quantity Item)
    - POVRB_LB (Weighted item, System configured for LB)
    - POVRB_M_LB (Weighted, Split-Quantity Item, System configured for LB)
    - POVRB_KG (Weighted item, System configured for KG)
    - POVRB_M_KG (Weighted, Split-Quantity Item, System configured for KG)

Receipt Print – Normal Item

```
PRICE REDUCTION
ORIGINAL PRICE 2.25
 Lipton Green Tea w/C                  0.89
```

Receipt Print – Split-Quantity Item

```
PRICE REDUCTION
ORIGINAL PRICE  2/2.25
 Lipton Green Tea w/C                  0.89
```

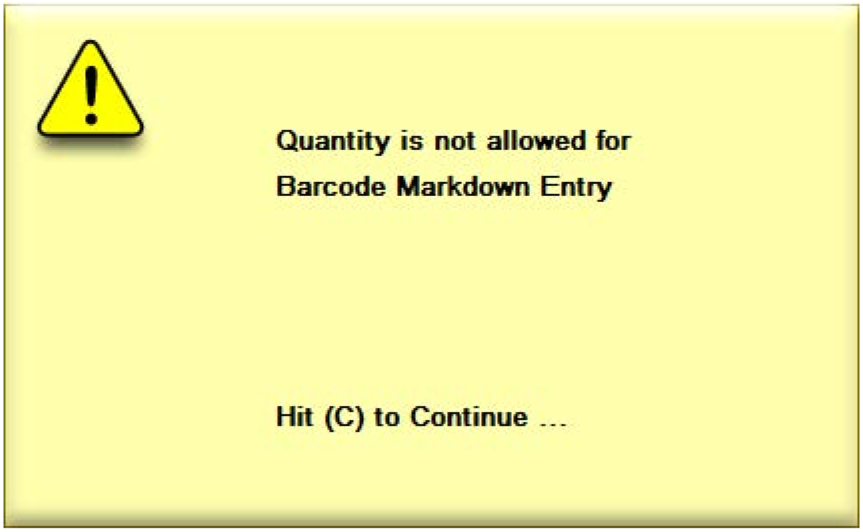
Receipt Print – Normal weighted item

```
PRICE REDUCTION
ORIGINAL PRICE 2.49 / lb
 Bananas                               0.99
```

Receipt Print – Split-Quantity, weighted item

```
PRICE REDUCTION
ORIGINAL PRICE 2.49 / 2 lb
 Bananas                               0.99
```

Error – Quantity not supported with Markdown Barcode



432031 – SSCO Assist Mode for Manual Coupons and Discounts

For the 8.1.8.0-090 patch, a new FastLane SSCO Transaction Broker was released to support Assist Mode functionality for Manual Store Coupon Entry and Total Sale Discounts at tender time. Coupon, $Trans Discount and %Trans Discount buttons are only available in Assist Mode when SSCO is in tender mode.

This Transaction Broker install is version Retalix ISS45_5.00.01.00.37. Please reference the release notes that accompany the SSCO TB install.

SCOTOPTS.000 option

A Manual Percent Discount limit was added to the SCOTOPTS.000 to all the Percent entered not to exceed a determined amount. The default is 99

[ManualDiscount]

PercentageLimit=99

Tender Assist mode

The following buttons are only available when the SSCO is in tender mode.

Manual Store Coupon Entry

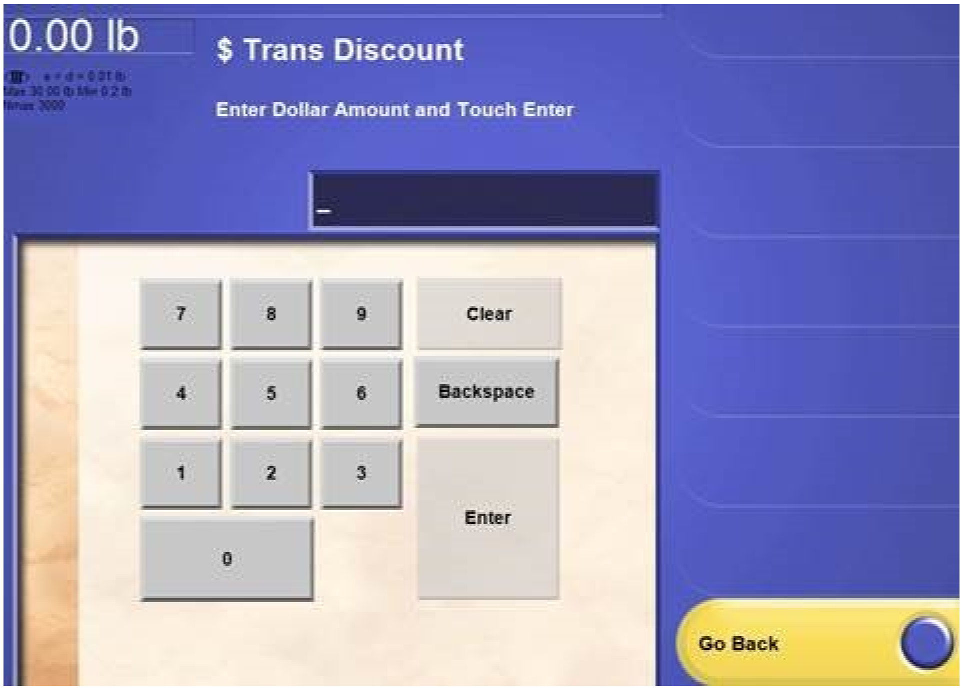
When pressing the Coupon button, the attendant has the opportunity to enter the dollar amount of the Store Coupon

Then selects the department the coupon will apply.

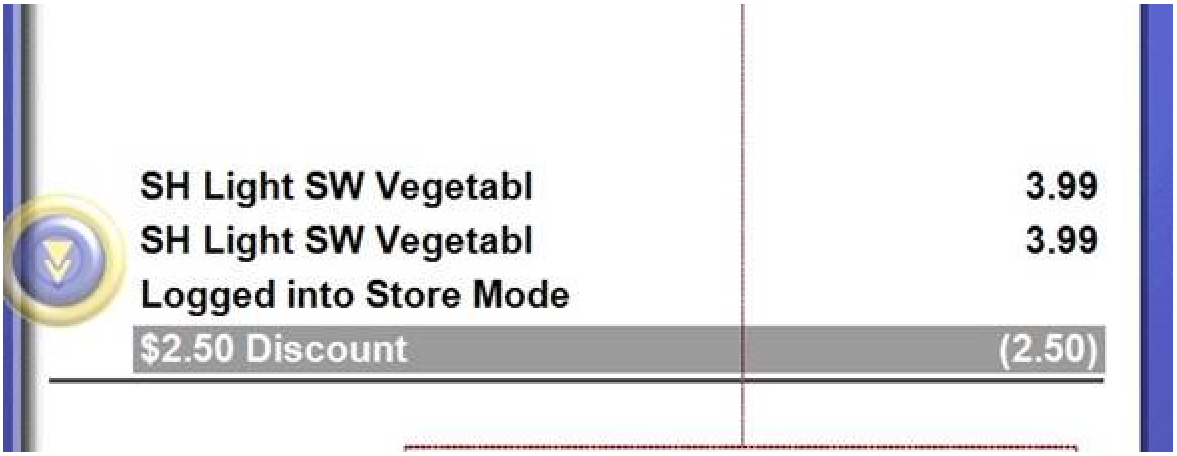
The % Trans Discount will display on the e-receipt and customer receipt.

Transaction Discount

When pressing $ Trans Discount Button, the attendant has the opportunity to enter the dollar amount of a discount.



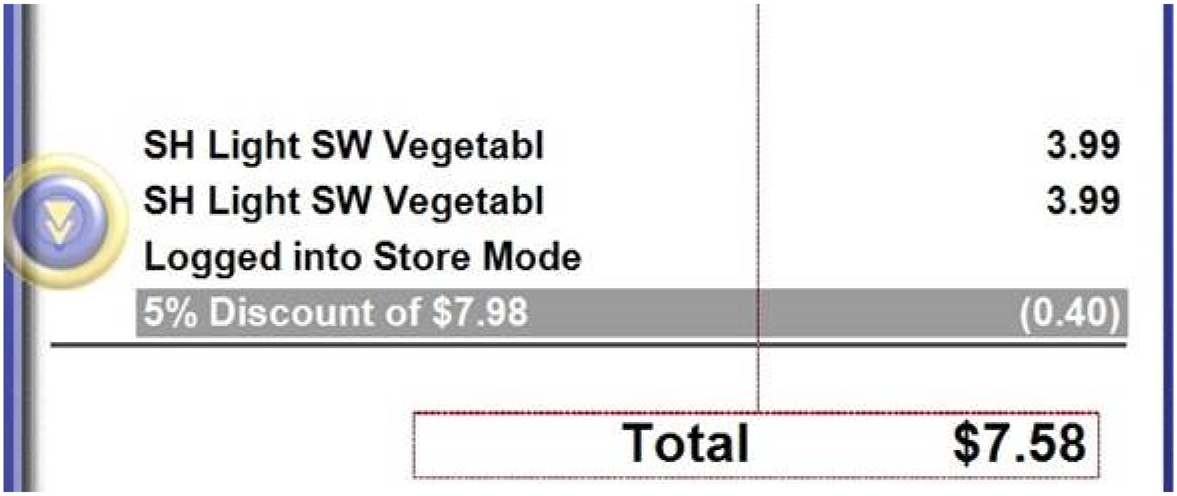
The $ Trans Discount will display on the e-receipt and customer receipt.



% Trans Discount

When pressing % Trans Discount Button, the attendant has the opportunity to enter the percent amount of a discount

The % Trans Discount will display on the e-receipt and customer receipt



433499 – Alternate Loyalty ID with Encore 700 Fuel

This development will allow the entry of a phone number for a loyalty customer on the Encore 700 series pump as it presently does with Encore 500 series pump. The NCR Fuel application will use the secure prompting mechanism required by the Gilbarco 700.

Previously, the phone lookup prompts were hard coded in PumpSrv. Now PumpSrv will read the message from the registry instead of using the hard coded text.

Configuration/Parameters

Registry

Need to change the following registry keys to point to a message in the MsgFile XML file:

HKLM\SOFTWARE\Pointofsale\PumpSrv\FuelLoyalty\SysParam\PhoneNotFound

HKLM\SOFTWARE\Pointofsale\PumpSrv\FuelLoyalty\SysParam\LoyaltyDeclineMsg

HKLM\SOFTWARE\Pointofsale\PumpSrv\FuelLoyalty\SysParam\ServerDeclineMsg

HKLM\SOFTWARE\Pointofsale\PumpSrv\FuelLoyalty\SysParam\MutipleMemberFound

HKLM\SOFTWARE\Pointofsale\PumpSrv\FuelLoyalty\SysParam\ServerDown

HKLM \SOFTWARE\Pointofsale\PumpSrv\Languages\LanguageXX\EnterPhoneNumber

HKLM \SOFTWARE\Pointofsale\PumpSrv\Languages\LanguageXX\EnterRewardCardNumber

Note:
Function key 1441 – Alt Customer Lookup should be used for entering Alternate Loyalty ID with Fuel for Pay-At-Kiosk and Pre-Pay.

435116 – Driver License Recording from 2-D Image

This feature provides the ability when selling age restricted items to retrieve and record the Driver's License #, DL expiration date and Birth Date using the 2D barcode on Driver's Licenses which do not have a mag stripe. Previous to this enhancement, the 2-D imaging feature was limited to only the retrieval of the birth date.

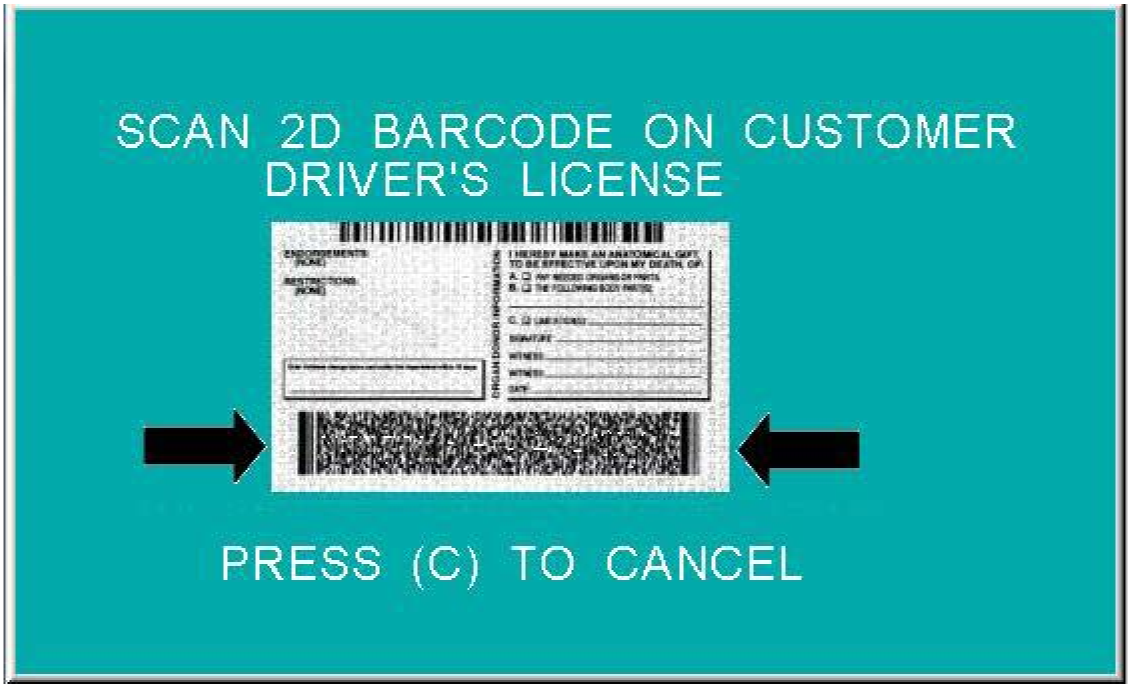
There is a new function exposed to wphook.dll that will prompt the cashier to scan the DL barcode.

```
short get_dob_from_scanner(struct ScannedDOBInfo_* dobinfo);
```

Upon a successful scan, this function returns OK and fills the ScannedDOBInfo_ structure:

```
struct ScannedDOBInfo_
{
    unsigned char szExpDate[9]; // Expiration Date (YYYYMMDD)
    unsigned char szDOB[9]; // Date of Birth (YYYYMMDD)
    unsigned char szDLNum[21]; // License Number
    unsigned char szDLState[3]; // License State
};
```

When a third-party developer makes use of the new function, WPFUNC_get_2d_info_from_scanner (), from within a hook function in a customized wphook.dll, the POS will prompt the cashier to scan the barcode on a driver's license with the following message:



The parsed barcode information, which includes the expiration date, DOB, DL# and DL State, will be returned to the calling wphook function.

The wphook.dll is installed to C:\Program Files\POSWare\Winpos\DRV32.

The following GSPs needs turned on for this enhancement:

Store\POST\Operational\POS User Hooks\User Hooks in System
Store\POST\Operational\POS User Hooks\User Hook Functions hook

Customer should setup a User Hook Key (Keyboard Programming 701-750) that can be used to alert the cashier to scan a 2D barcode on a customer's driver's license. This User Hook Key can be pressed at any time during Sale, or Tender Mode.

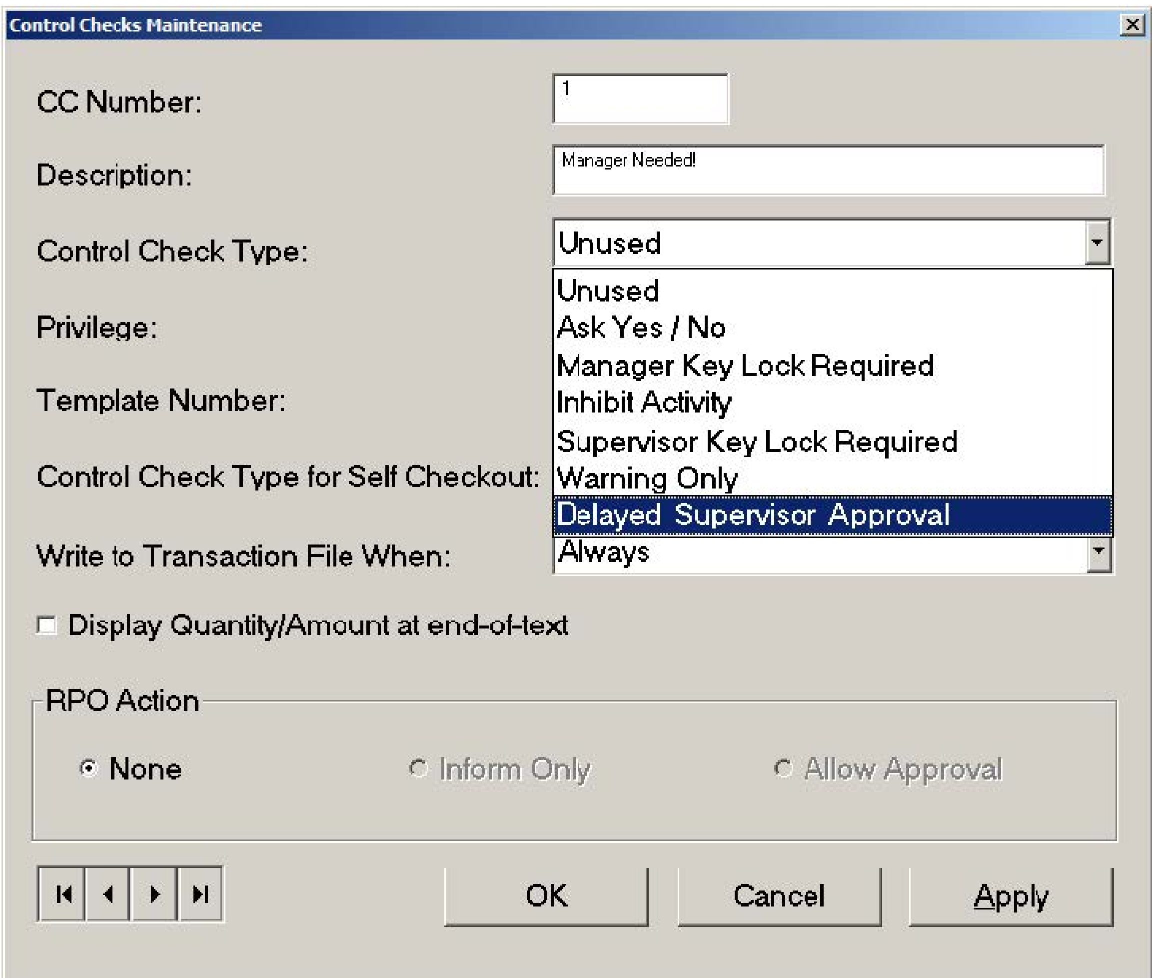
435134 – Single Manager Override at End of Transaction

This development provides the ability to permit specified control checks to be delayed until the end of the current ticket and combined into one single supervisor approval after the total key is selected.

Front Office

A new selection is available in the drop-down box for Control Check Type.

“Delayed Supervisor Approval”



A new flag field has been added to CNTRL_CHK SQL table

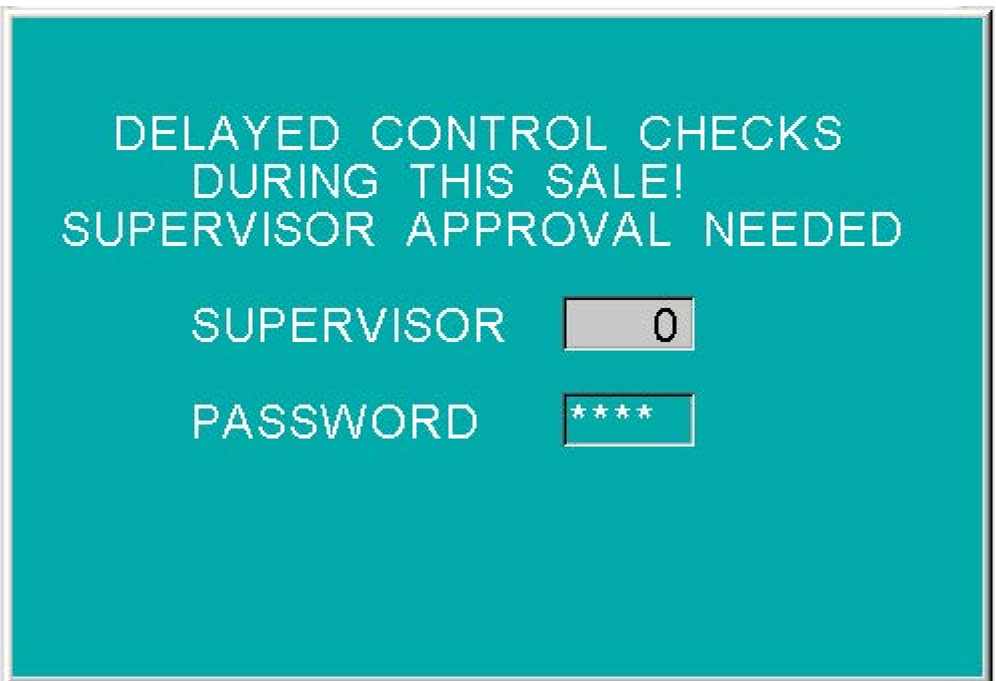
DELAY_SUP_FG (bit)

New maintenance record(s) for new flag field

Update QDX file #19 (CHCK.QDX) Byte #20, bit #0 with new flag value.

POS

Support for the new functionality for "Delayed Supervisor Approval" control check type has been added to the POS. When using this functionality, a New Supervisor entry screen for delayed control checks will display when total key is pressed.



This functionality requires support of a new field in EJ_Info_Control_Check (0x60, 0xA2) Transaction Log record:

- consolidated_auth byte #4, bit offset 7

439801 – Expose Alt-ID Entry at the PIN Pad to the ISS45 SDK for Loyalty Lane

This feature provides a hook function that a third-party development can use to capture the secondary ID entered at the PIN Pad. This hook is to be used solely with third-party Loyalty programs to look up customer information and instruct the POS as to whether the secondary ID is valid.

New Parameter

The following new General System Parameter is located in the Store\POST\Operational\POS User Hooks

Parameter	Explanation
After Secondary ID Entry at PIN Pad	This hook is executed after a Secondary ID (phone number) is entered at the PIN Pad but before it is evaluated. It determines if the POS should continue or if it should re-prompt the customer for the secondary ID.

Valid values

Yes = Hook is enabled

No = Hook is not enabled

441034 – S&H/ProLogic Coupons Display Immediately

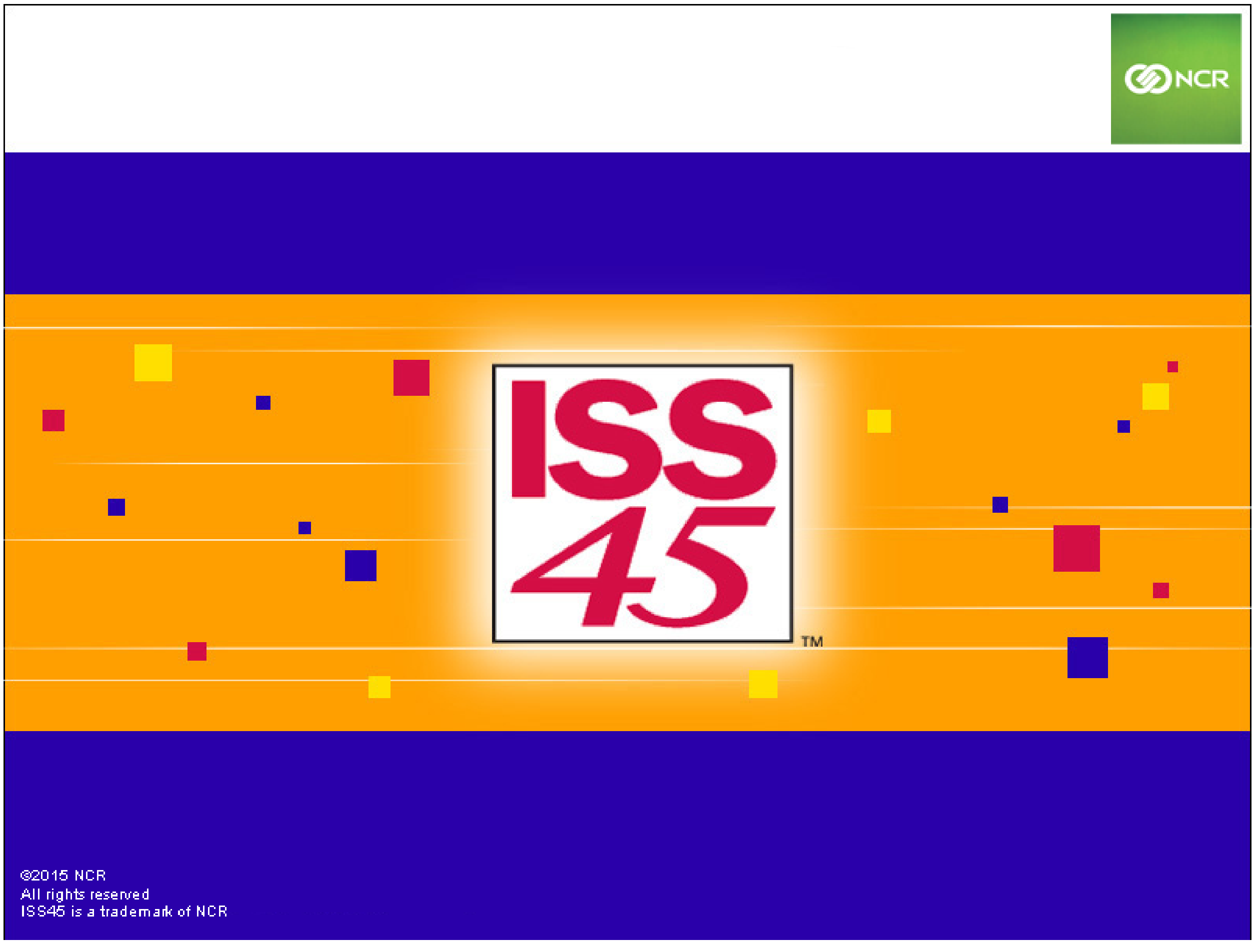
The documentation for Defect # 441027 states that the 8180-S&H/ProLogic-ProLogic Coupon does not show on the CID until after another item is rung, or if the ENTER/TOTAL key is hit.

Under the enhancement, the S&H/ProLogic coupons will now display immediately when triggered on the Customer Display as the item is rung as it does on the Cashier Display.

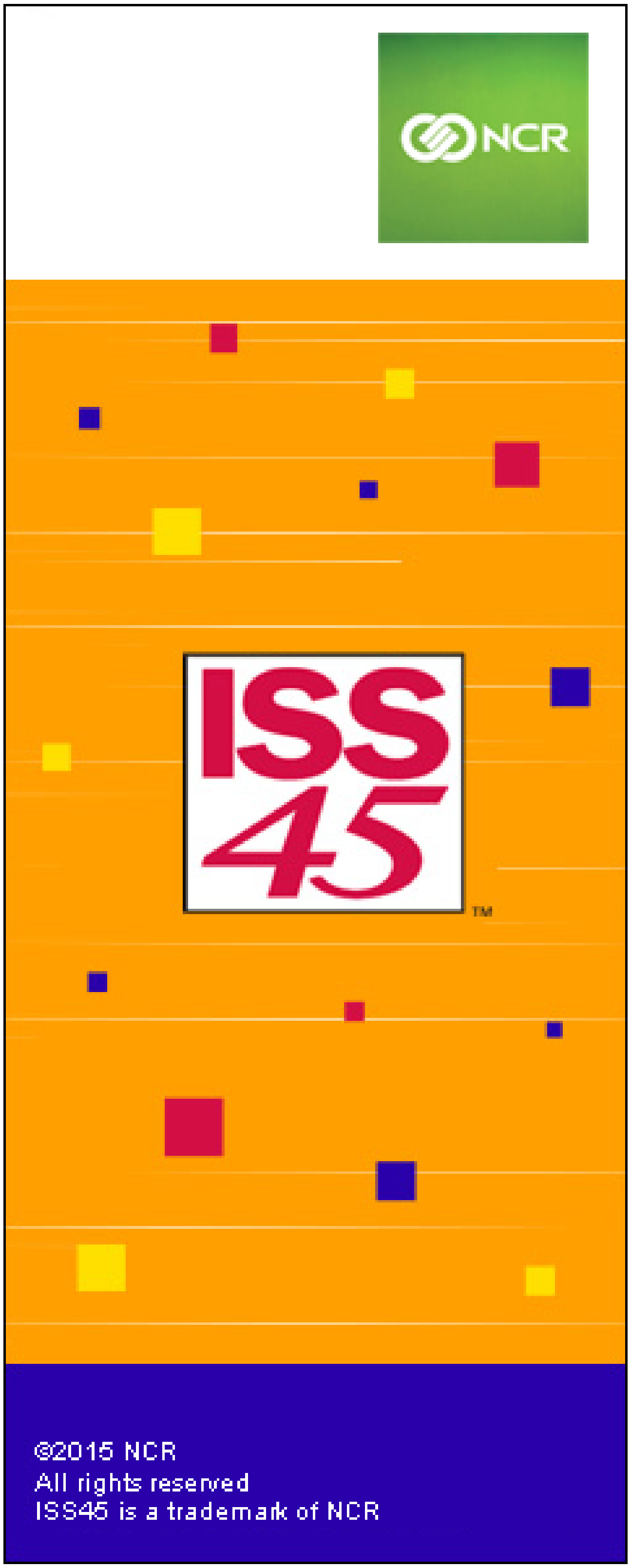
445584 – Add new splash screens to Install

This enhancement adds new splash screens to the ISS45 POS.

When the ISS45 POS starts and the menu buttons are loading on the touch screen POS, the start-up splash screen with the following background image is displayed.



When the ISS45 POS goes into idle mode, the splash screen below is displayed.



447384 – Add Option to WIC CVV Paper Program to allow

This enhancement adds a new option to the Front Office General System Parameters to instruct the POS to execute a control check in the case where a non-whole dollar amount was entered in the WIC CVV Amount dialog.

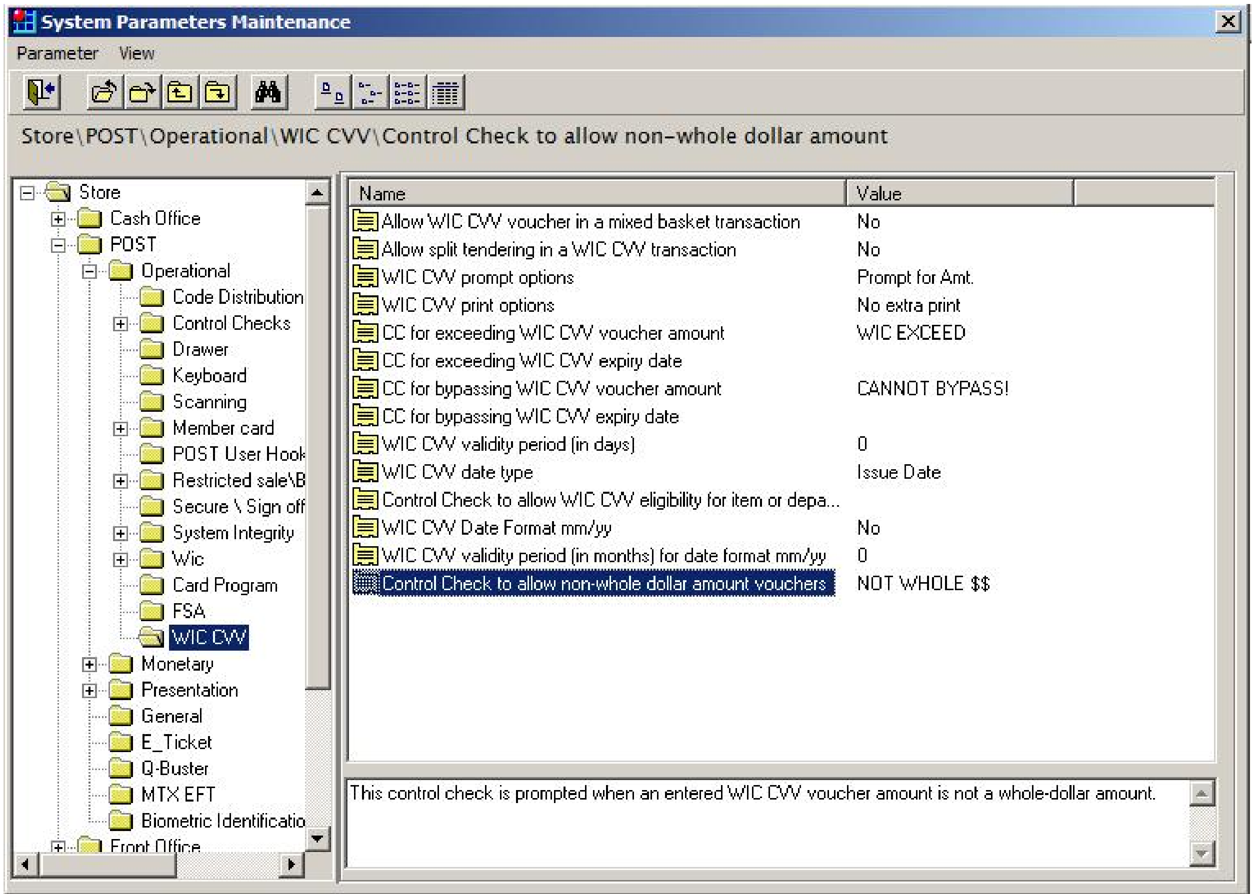
Only whole-dollar amounts were previously permitted to be entered in the WIC CVV Amount dialog. The entry of a non-whole dollar amount would result in an error message. But the new option in the WIC CVV paper program has eliminated that error message and whole-dollar amounts can now be entered for a WIC CVV voucher amount.

However, a store may still choose to prevent non-whole dollar amounts if they wish by creating a control check and assigning the control check in the new Front Office parameter.

Front Office

New Parameter

Parameter	Explanation
Control Check to allow non-whole dollar amount vouchers	This control check is prompted when an entered WIC CVV voucher amount is not a whole-dollar amount.



Note:

When a user selects the WIC CVV folder, it displays the existing list of WIC CVV control check folders. Selecting the “Control Check to allow non-whole dollar amount vouchers” folder displays its control check list window.

443394 – SSCO – DRE Support

This enhancement provides DRE support with ISS45 and Loyalty on NCR SSCO.

DRE XML Configuration must be modified by the DRE team to support the printer type for the SSCO.

- Layout.xml
- OR-DD.xml
- TemplateDB.xml

DRE layout.xml file should be configured so that the header, body, footer and cut print in logical order, rather than the normal order where the header for the next ticket prints last.

"Printer type" in POS Configuration should be selected to match an available DRE OR-DD.xml Configuration.

Note: *Tested only with the EpsonH6000 template*

"Checkout Bank" in the POS Configuration should match an available Checkout Bank in the DRE TemplateDB.xml Configuration.

ISS45 Development made no code changes to support DRE with ISS45 on the NCR SSCO. Only DRE configuration files were modified to support DRE receipt printing. Print messages are passed to DRE using the same opcode 194 messages via the WPSCO.dll as non DRE receipts.

Note: *Printing of bitmap images, other than the receipt logo, will not be supported on SSCO*

453058 – Survey Template Enhancement

This enhancement adds 2 new options to the Front Office General System Parameters to allow an alternate Survey format.

Currently, the following format is supported:

Voucher # format
MMDDSSSSCPPPTTTT

MM – Month 2 digit
DD – Day 2 digit
SSSS – store #
C – check digit
PPP – POS #
TTTT – Ticket #

This format is still valid and can be used when following the 16th digit code that is used by loyalty.

The alternate Survey format is as follows:

Voucher # format encoded:
T3 H2 Y1 T2 S2 M2 T1 S1 P2 M1 D2 S3 D1 H1 P1 C

MM – Month 2 digit
DD – Day 2 digit
Y – Last digit of year
HH – Military Hour
SSS – AWG #
PP – POS #
TTT – Ticket #
C – check digit

Following the Voucher # format: The first digit is the 3rd digit of Ticket #, second digit is 2nd digit of Military Hour, third digit is the last digit of year, etc.…

The Check Digit is calculated using Standard Mod10method.

•From the right to left, start with odd position, assign the odd/even position to each digit
•Sum all digits in odd position and multiply the result by 3
•Sum all digits in even position
•Sum the results of steps 3 & 4
•Divide the result of Step 4 by 10
The check digit is the number which adds the remainder to 10

Front Office

New Parameter

The following new General System Parameter is located in the Store\POST\General.

Parameter	Explanation
Enable Alternate Survey Format **Value:** Y/N	This option prints survey voucher numbers in the following format: T3 H2 Y1 T2 S2 M2 T1 S1 P2 M1 D2 S3 D1 H1 P1 C
Alternate Survey AWG Number **Value:** 3-digit short integer, range: 0-999	The AWG number is used in the alternate survey number when “Enable Alternate Survey Format" is enabled.

453245 – WIC FTP Changes for Wyoming and Cherokee Nation

Wyoming and Cherokee Nation has changed the directory structure of the WIC FTP path to get the APL, HCL and Reconciliation files as well as passing the Claim file to the state. The SWFTP.dat file has been change to accommodate the new FTP structure.

Wyoming is now Template 03
Cherokee Nation is now Template 04

```
**EXCEPTION=WY03
**EXCEPTION=C204

**TEMPLATE03**
:: COMMON folder is located inside the CUSTOMER's root folder for APL and HCL Files
[FTP_USERNAME]
[FTP_PASSWORD]
hash on
lcd c:\pcmaster\flag
put FTP_WAIT.FLG
cd in
put FTP_WAIT.FLG
cd ..
::cd ..
::cd com04plu
cd out
lcd "c:\progra~1\posware\office\ebt_wic\[STATE_NAME]"
binary
mget *.HCL
mget *.hcl
binary
mget *.APL
mget *.apl
::cd ..
::cd [FTP_USERNAME]
::cd out
binary
:: Begin - DR #410077, Mark Secrest, 08/12/2014 - Added to handle the deletion of old recon and error files at host after we have pulled them.
[TIDY_UP]
:: End - DR #410077, Mark Secrest, 08/12/2014
mget [EBT_ID]????.E??
mget [EBT_ID]????.e??
binary
```

```
mget [EBT_ID]????.A??
mget [EBT_ID]????.a??
cd ..
cd in
binary
mput [EBT_ID]????.S??
mput [EBT_ID]????.s??
lcd c:\pcmaster\tmp
binary
mget [EBT_ID]????.S??
mget [EBT_ID]????.s??
get FTP_WAIT.FLG
del FTP_WAIT.FLG
del FTP_WAIT.FLG
cd ..
binary
! if exist c:\pcmaster\tmp\FTP_WAIT.FLG attrib +r c:\pcmaster\tmp\FTP_WAIT.FLG
get FTP_WAIT.FLG
del FTP_WAIT.FLG
del FTP_WAIT.FLG
! if exist c:\pcmaster\tmp\FTP_WAIT.FLG attrib -r c:\pcmaster\tmp\FTP_WAIT.FLG
close
quit
```

****TEMPLATE04****

```
:: COMMON folder is located inside the CUSTOMER's root folder for APL and HCL Files
[FTP_USERNAME]
[FTP_PASSWORD]
hash on
lcd c:\pcmaster\flag
put FTP_WAIT.FLG
cd in
put FTP_WAIT.FLG
cd ..
cd common08
lcd "c:\progra~1\posware\office\ebt_wic\[STATE_NAME]"
binary
mget *.HCL
mget *.hcl
binary
mget *.APL
```

```
mget *.apl
cd ..
cd out
binary
mget [EBT_ID]????.E??
mget [EBT_ID]????.e??
binary
mget [EBT_ID]????.A??
mget [EBT_ID]????.a??
cd ..
cd in
binary
mput [EBT_ID]????.S??
mput [EBT_ID]????.s??
lcd c:\pcmaster\tmp
binary
mget [EBT_ID]????.S??
mget [EBT_ID]????.s??
get FTP_WAIT.FLG
del FTP_WAIT.FLG
del FTP_WAIT.FLG
cd ..
binary
! if exist c:\pcmaster\tmp\FTP_WAIT.FLG attrib +r c:\pcmaster\tmp\FTP_WAIT.FLG
get FTP_WAIT.FLG
del FTP_WAIT.FLG
del FTP_WAIT.FLG
! if exist c:\pcmaster\tmp\FTP_WAIT.FLG attrib -r c:\pcmaster\tmp\FTP_WAIT.FLG
close
quit
```

Other Enhancements

The following versions were tested for certification:

MX915:

dl-NCR-915-F445A-X5200J20-USB-TWR-K.tgz

OS version - 1.6.14.1404

App version – mx_xpi_5200J-Build 20 2/22/16

MTX_EPS.dll – 828.7.21.26

MTX_POS.dll – 828.1.0.98

MX860:

Mx860_F264A-X4200NB2-USB-TW.tgz

OS version – MX0007US/RFS00018

App version – 2.6.4A-03 – Feb-2016

MTX_EPS.dll – 828.7.21.26

MTX_POS.dll – 828.1.0.98

Technical Reference Appendix

Out of Scope

Limitations of new features in this release are listed below (and were not addressed in development).

Note: The limitations below are known as of this writing, and are provided in order to assist users and support personnel to plan, install and operate the capabilities described in this document. While NCR endeavors to ensure that this information is correct and fairly stated, no attempt is made here to catalog all limitations that could be construed or that may become known in the course of use or experience.

Enhancement	Out of Scope
Integrate new email engine into ISS45 V8	• For coupon integrity and complexity including barcode images, no images other than the printer logo will be included on the email pdf files. • The email engine feature does not support real time receipt printing. • No graphics other than the receipt logo are allowed. • Change does not impact any EJ files. • Self-Checkout always print receipt • Email receipts are not immediate (real time) but only available at end of day.

Dependencies

Dependencies to utilize new features in this release are listed below.

Enhancement	Dependencies
Integrate new email engine into ISS45 V8	• If required in the .pdf, the dealer/store will manually create and size the printer logo or other graphic and save it to C:\PROGRAM FILES\POSWARE\OFFICE\Email as maillogo.jpg • The creation of the receipt image in the TLOG is controlled by existing System Configuration settings.

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