






The logo for ISS 45, consisting of the letters 'ISS' in a large, bold, black serif font above the number '45' in a similar font, all enclosed within a thin black rectangular border.

-  *Release Notes & What's New*
-  *ISS45 8.1.4.1-050*
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ISS45 Release Notes & What's New 8.1.3.2-050

Date of Issue	Product ID Num.	Part Number	Brief Description
January 2005	45001/081	89000195	Initial Release
June 2005	45001/081	89000233	8.1.0.1 Release
December 2005	45001/081	89000263	8.1.1.0 Release – Preliminary
January 2005	45001/081	89000263	8.1.1.0 Release – Final
July 2006	45001/081	89000308	8.1.1.1 Release
December 2006	45001/081	89000308	8.1.1.1 Release
July 2007	45001/081	89000401	8.1.2.1 Release
December 2007	45001/081	89000401	8.1.2.1-070 Release
January 2008	45001/081	89000417	8.1.2.1-070 Release – Updated
January 2008	45001/081	89000416	8.1.3.0-050 Release
November 2008	45001/081	89000480	8.1.3.2-050 Release
March 2009	45001/081	89000490	8.1.4.0-050 Release – Prelim
April 2009	45001/081	89000508	8.1.4.0-050 Release – Final
August 2009	45001/081	89000521	8.1.4.0-080 Release
September 2009	45001/081	89000532	8.1.4.1-050 Release

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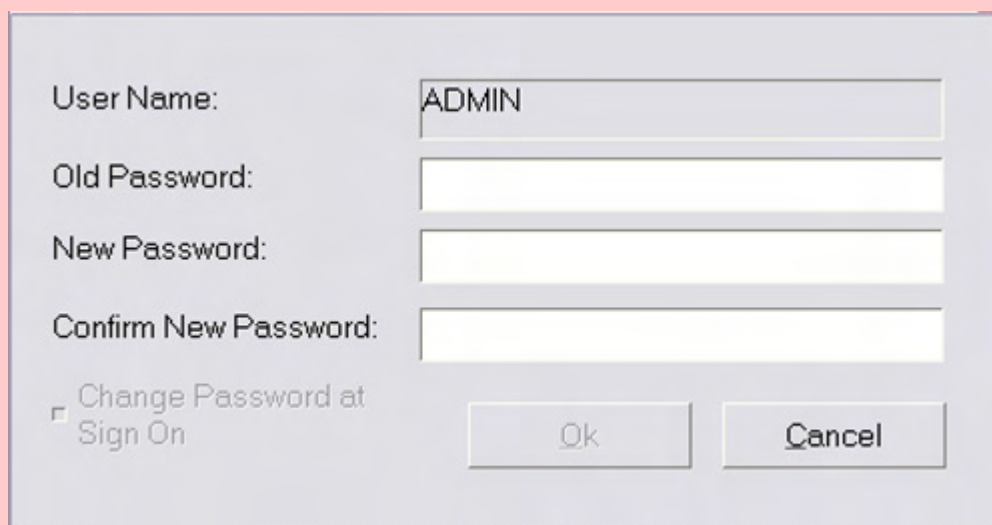
Introduction

Several new features and enhancements were made recently to the StoreNext ISS45 system as a result of customer change requests and internal research and development. These changes are reflected in the accompanying ISS45 8.1.4.1-050 software.

WARNING:

After the ISS45 upgrade to 8.1.4.1-050, the user must enter their old password in UPPER CASE when logging into the Front Office.

After the user attempts to login to the Front Office, they will be forced to change their password using the following screen:



The user must enter their old password in UPPER CASE, enter a new strong password and confirm (reenter) it before being granted access to ISS45. See page 8 for more information.

The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading. Following the change description is an abbreviation (or combination thereof) of the ISS45 area affected:

- (FO) – Front Office
- (POS) – WinPOS
- (Fuel) – Fuel
- (Sys) – System / Services

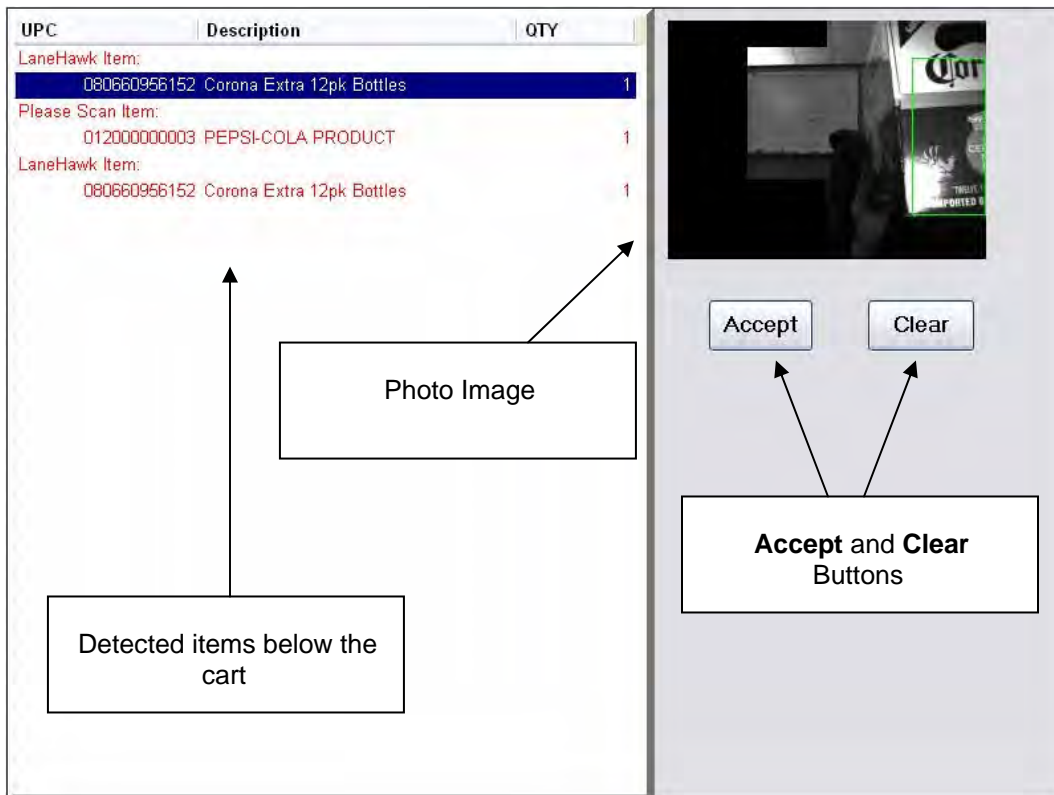
If you have any questions regarding this release, please contact StoreNext Support.

11268 – New LaneHawk Interface (FO/POS)

LaneHawk is a solution from Evolution Robotics that uses digital video cameras and software to identify “when” and “what” items are on the bottom of a customer’s cart. Using “visual pattern recognition” for object recognition, LaneHawk automatically detects and identifies “below the basket” items.

Items that LaneHawk recognize are typically the 300-500 items most likely to be placed under the cart. These items are photographed using a basic digital camera, and the images are stored in the LaneHawk checkout database with associated UPC information.

ISS45 now provides a mechanism to alert cashiers when these items are detected and allows them to be added to the current transaction through the LaneHawk interface window. When the transaction is totaled, a full-screen LaneHawk interface window takes focus. A list of the detected items and their image display so resolution can take place.



Note:

The ISS45 LaneHawk interface is an optionally licensed ISS45 module and requires the purchase and installation of additional hardware and software from a third-party vendor. Please contact StoreNext for additional information.

Front Office

New Parameters

As part of this feature, the following General System Parameters have been established in the **new** Store \ Technical \ LaneHawk folder.

Parameter	Explanation
LaneHawk in system	This parameter specifies whether LaneHawk is enabled at the POS.
Port Number	Use this parameter to define the TCP/IP port number for the LaneHawk server connection.
Heartbeat interval	This parameter specifies how often (in seconds) heartbeat messages should be sent to the POS by the LaneHawk application. The default is 15. A setting of 0 indicates heartbeat messages should not be sent.
LaneHawk timeout	This parameter specifies how long (in seconds) the LaneHawk application should wait for a heartbeat reply before dropping the connection and retrying.
LaneHawk alias in HOSTS file	This parameter defines the LaneHawk server alias that will match the host file definition for IP resolution.

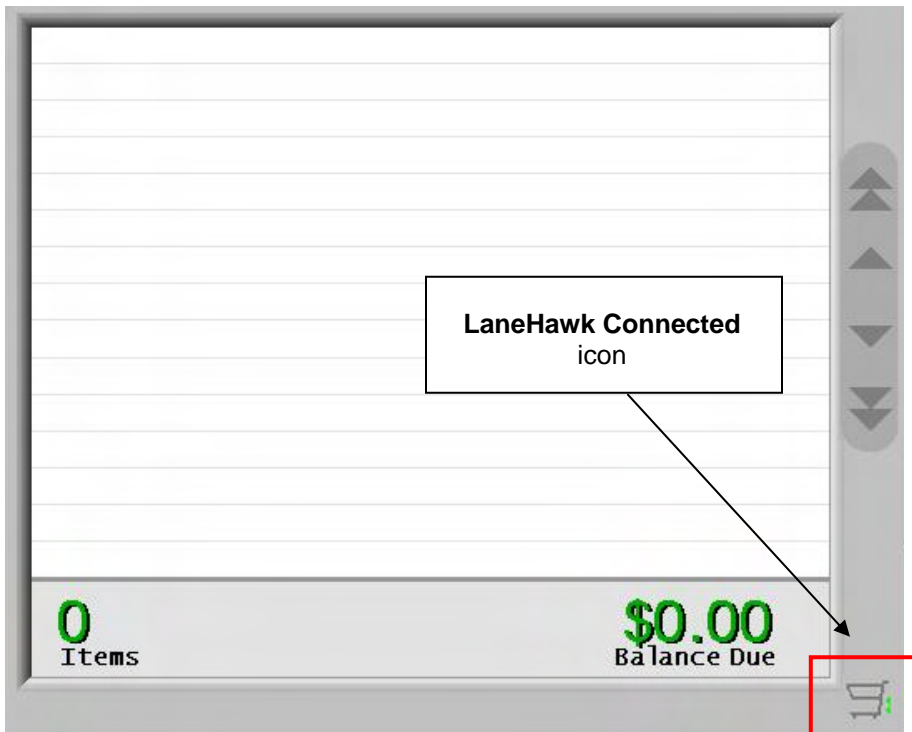
POS

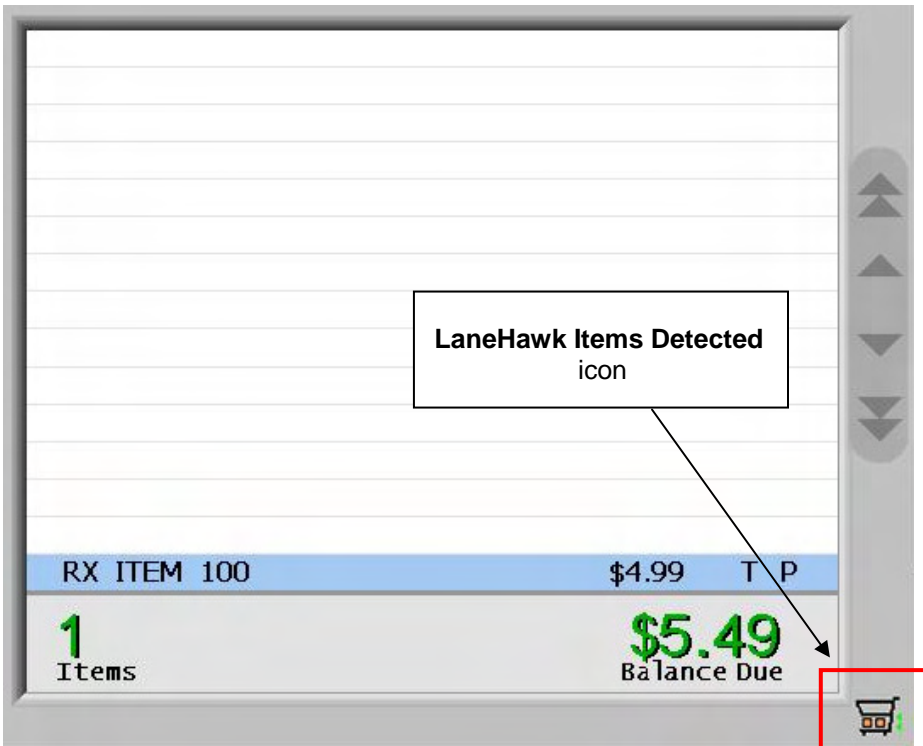
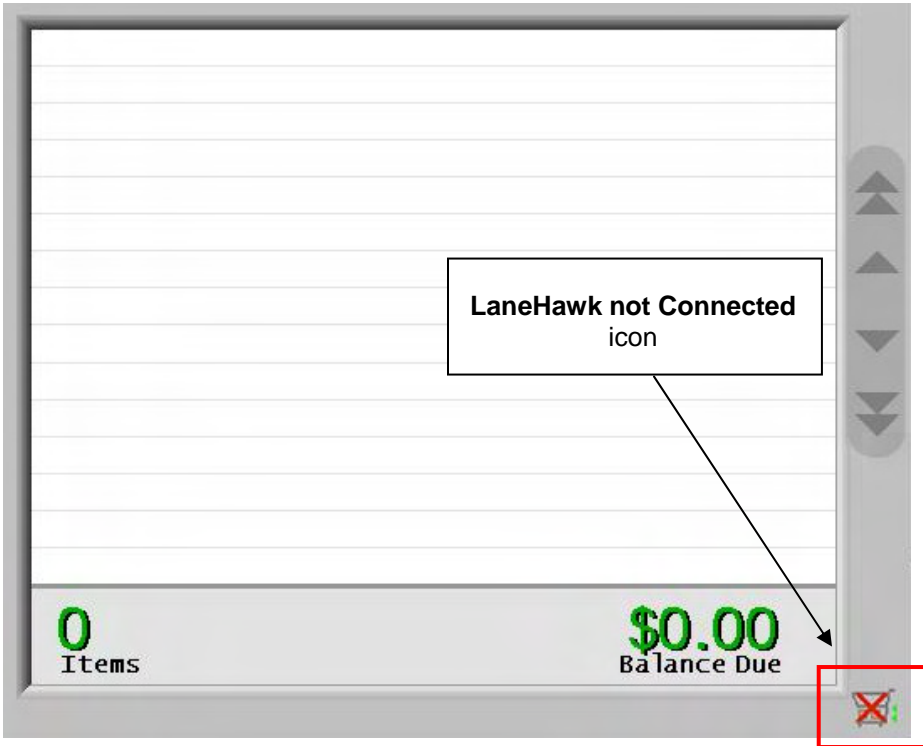
New Cashier Display Notification Icons

When LaneHawk is installed, configured and enabled, new POS cashier notification (shopping cart) icons will notify the cashier of the three different LaneHawk status conditions:

- LaneHawk Connected (empty shopping cart) – ISS45 is connected to the LaneHawk interface.
- LaneHawk not Connected (red X through the cart) – ISS45 is not connected to the LaneHawk interface.
- LaneHawk Items Detected (blocks below cart) – Items have been detected “below the basket” by LaneHawk.

These icons appears below and to the right of where the Balance Due amount is displayed.





LaneHawk Item Resolution

When an ISS45 transaction is totaled with LaneHawk items and the LaneHawk interface window has been granted focus, the cashier can take one of three possible actions.

- Add the highlighted item to the ISS45 transaction by pressing the “Accept” button (without removing them from beneath the cart). The item will be removed from the LaneHawk items list.
- Add an item to the transaction by scanning (or key-entering) the UPC code. The item will be added to the ISS45 transaction and removed from the LaneHawk items list.
- Clear the item from the LaneHawk items list by pressing the “Clear” button. The item will not be added to the ISS45 transaction and removed from the LaneHawk items list. (This button is used if the item already has been added to the ticket, it will be added later or the wrong item was detected).

Once LaneHawk items have been resolved and the list is empty, the LaneHawk interface application will return focus to WinPOS to continue totaling and tendering the transaction.

Note:

For purposes of removing items from the LaneHawk items list by manually entering a UPC code, ISS45 PLU internal codes cannot be entered as UPC codes since they are not cross-referenced in the LaneHawk database. The barcode will need to be key-entered (or scanned).

Note:

For manual entry purposes, if the General System Parameter “PLU includes Check Digits (for POS)” (located in the Store \ POST \ Operational \ Scanning folder) is set to “Yes”, check digits must be key-entered from the LaneHawk interface window.

Note:

At the time interface window is launched, the POS will not accept a scan from devices that need application focus (like scanners configured as keyboard emulation).

17822 – Fuel PAP Credit Card Encryption (Sys)

Pay-at-pump (PAP) credit card fuel transactions are now encrypted at the RouteSrv layer component level (the only component layer that temporarily writes card information during transactions). RouteSRV.exe now writes an encrypted account number to the RouteSRV.qdx file using the Retalix Data Protection Service (DPS) component.

Note:

When a PAP transaction is initiated, card data (credit, debit, frequent shopper, etc.) is passed from the pump to the following component layers in this order: Convert Layer -> PumpSrv -> RouteSrv-> LinkSrv. When a message is now received by RouteSRV from PumpSRV, RouteSRV sends a request to the Retalix DPS Service to encrypt the Account Number received in the message. If the Retalix DPS Service fails to encrypt the requested data in a timely manner, the transaction will be declined.

Note:

To support this feature, Microsoft .Net Framework 2.0 must be installed on the PFS Server. In addition, the installation and configuration of Retalix DPS (Data Protection Service) on the PFS servers hosting the Fuel application must be performed.

11330 – Increased User Security (FO/POS/Sys)

To enhance ISS45 security, the following security features are included in this release:

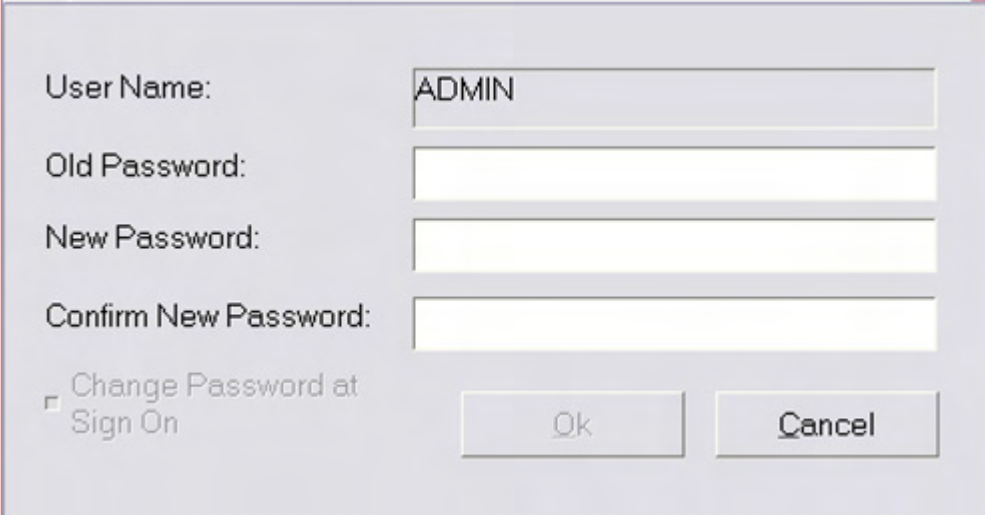
- Cashier and Front Office passwords are now encrypted (a.k.a. hashed) in all SQL and QDX databases.

WARNING:

During the ISS45 upgrade to 8.1.4.1-050, existing user and cashier passwords are automatically hashed in the SQL and QDX databases.

The user must enter their old password in UPPER CASE when logging into the Front Office.

After the user attempts to login to the Front Office, they will be forced to change their password using the following screen:



User Name: ADMIN

Old Password:

New Password:

Confirm New Password:

Change Password at Sign On

Ok Cancel

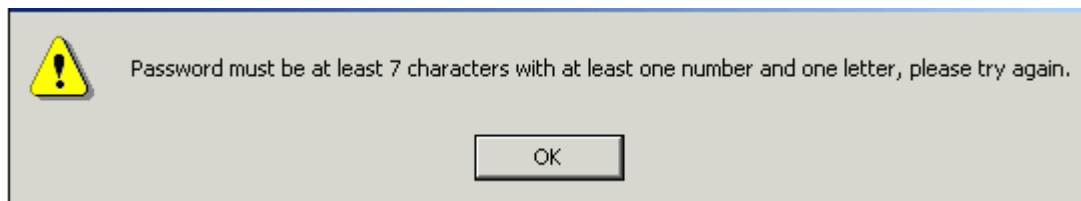
The user must enter their old password in UPPER CASE, enter a new strong password and confirm (reenter) it before being granted access to ISS45.

- Front Office passwords are now case sensitive, requiring “strong” password characteristics containing:
 - A minimum of seven characters in length.
 - At least one number.
 - At least one letter.
- Inactive users are disabled after 90 days.
- Passwords must be changed at defined intervals.

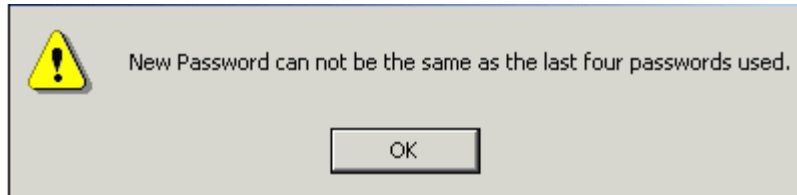
- Multiple unsuccessful login attempts automatically locks a user account.
- Passwords can be reset by an administrator, requiring the user to enter a temporary password and change it at login.
- The name for a deleted Front Office user cannot be reused for a period of time. (Deleted Front Office Users will remain in the Front Office User Table until removed during EOD after a parameter-specified period of time.)

Front Office

- Password hashing is now used in the following Front Office functions:
 - Signing onto the Front Office – The entered password is hashed and validated against the hashed password in the SQL database.
 - Creating a new Front Office user – The entered password is hashed and the SQL database is updated with the new user data and hashed password.
 - Adding a new cashier – The SQL database is updated with the new cashier data and hashed password. The hashed cashier password is downloaded to the QDX database when updating the POS.
 - Changing a Front Office password – The new password is validated to see if it is strong enough (at least 7 characters, at least 1 digit and 1 alpha in the password). If not, the following warning message displays:



If it meets the criteria, the password is then validated against the last 4 known passwords for the user. If a match is found new password will not be accepted, and the following message displays:



If validated, the SQL database is updated with the new hashed password.

- Resetting a Front Office password – After the number of days specified in the General System Parameter “Password Change Every... Days” (located in the Store \ Front Office \ System \ Security folder) has expired and a new Front Office password is requested, the password is validated using the same logic for “Changing a Front Office password” (above).
- Validating Front Office permissions for certain functions – The entered password is hashed and validated against the hashed password in the SQL database. If validated, the action is permitted.

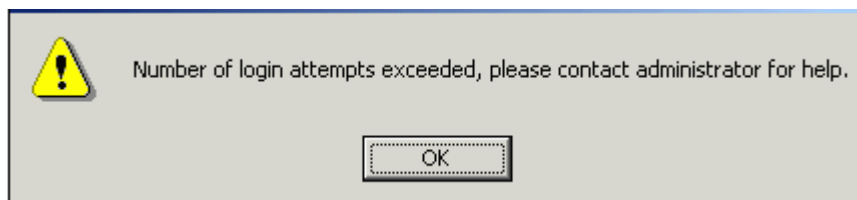
Removed Menu Function

Since the new password hashing algorithm implemented is non-reversible the Password Inquiry function in Cashier Utilities folder has been removed from the menus.

Modified Front Office Application

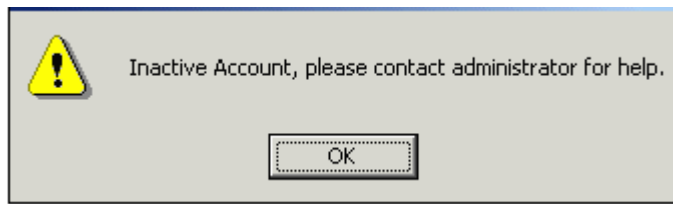
The Link Users and Menus application (in the Front Office System Administration \ Menu Builder folder) is now integrated with Front Office logins using the following new functionality:

- A Front Office user can be automatically locked by the system. If a Front Office user attempts unsuccessfully to log into ISS45 six times within a 30 minute period, the account will be automatically locked. On the seventh attempt the following warning displays:



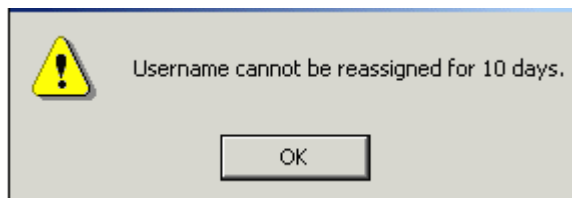
A user with administrative rights will be able to grant access to the user by removing the “Locked” flag.

- A Front Office user can now be forced to change their password after sign on.
- A Front Office user account can be automatically set to “Inactive”. Every time an account is used to login will be recorded. If an account has not been active for more than 90 days, the inactive flag will be set. When a login is attempted, the following message will display:



A user with administrative rights will be able to grant access to the user by removing the “Inactive” flag.

- A new “Marked for Deletion” flag displays for users that have been deleted. If a new user with an identical user name as the deleted user is attempted to be added before the “Number of Working Days Before Reassignment of User Name Allowed” has elapsed the following error message will display:



Checkboxes relating to these new features are listed below the Password Confirmation field in both the New User and Edit User screens.

The screenshot shows the 'Edit User' dialog box with the following elements:

- User Name: ADMIN
- Password: [Masked]
- Confirm: [Masked]
- Locked:
- Change Password at Sign On: (Annotated as a 'New Checkbox')
- Inactive:
- Marked for Deletion: (Annotated as a 'New Checkbox')
- Select Module to Assume Decimal Places:
 - Cash Office:
- Cashier: None
- Buttons: OK, Cancel, and a 'Reset Password' button (Annotated as a 'Reset Password Button')

Note:

The "Password Never Expires" checkbox has been removed from the Edit User and New User screens. This option is no longer available.

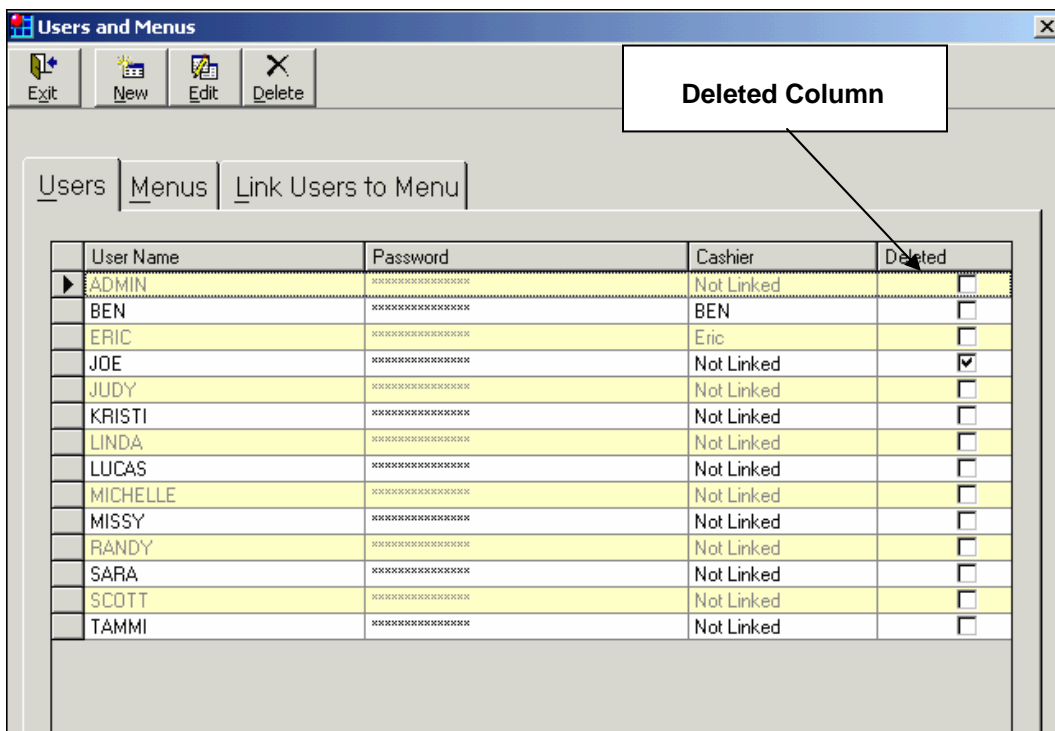
In addition, a new "Reset Password" button has been added to the New User screen. In the event a user forgets their password, a supervisor (or any other user with administrative rights) will be able to provide a new temporary password. Once selected, the supervisor must enter a new temporary (strong) password and confirm (reenter) it.

Note:

The new read only field "Change password at sign-on" will be automatically checked (and non-editable) when a password reset is executed.

When the user signs into the Front Office with the temporary password, they will be prompted to change it before being granted access to ISS45.

The Users Tab of the Users and Menus grid now displays a "Deleted" column that will be checked for users that have been deleted.



Removed General System Parameter

The General System Parameter “Mask Reset Cashier Password” (previously located in the Store \ Front Office \ System \ Security folder) has been removed in this release. All password entry at the POS is now masked, including password resets.

New Parameters

As part of this feature new parameters have been established. The following General System Parameters are located in the Store \ Front Office \ System folder.

Parameter	Explanation
Number of Working Days Before Reassignment of User Name Allowed	This parameter will define the time period in working days that must pass prior to the reassignment of a User Name. (The range of days is from 0 to 999. Setting this parameter to 0 will prohibit using the name again).

Number of Working Days Before Deleting a User that is Flagged for Deletion	This parameter will define the time period in working days that must pass prior to the deletion of a user that has been flagged for deletion from the Application User Table. (The range of days is from 0 to 999. Setting this parameter to 0 will keep the flagged for deletion users indefinitely).
--	--

After the period of time specified by the “Number of Working Days Before Reassignment of User Name Allowed” parameter has elapsed, a new Front Office User can be added with an identical name as previously used.

Once the period of time specified by the “Number of Working Days Before Deleting a User that is Flagged for Deletion” parameter has elapsed, the original user record is physically deleted from the database.

Note:

For auditing purposes, StoreNext maintains data associated with the deleted user to maintain continuity in accounting and bookkeeping reporting. Once the “Number of Working Days Before Deleting a User that is Flagged for Deletion” has elapsed and the original user record is deleted, the transaction history will still be reported for this User ID on reports until the time specified by the General System Parameter “Number of History Days for All Other History Tables” located in the Store \ Front Office \ End of Day \ Archive folder) has elapsed.

Modified General System Parameters

As part of this feature, defaults and valid ranges have been changed for several existing parameters (noted in bold below). The following General System Parameters are located in the Store \ Front Office \ System \ Security folder.

Parameter	Explanation
Password Change Every ... Days	<p>This parameter provides the option to require the Front Office user to change the password after the number of days specified. The valid range of days is 1 to 90.</p> <p>Note: After the 8.1.4.1-050 upgrade, if the previous parameter value was more than 90, it will be changed to 90.</p>

Minimum Number of Characters for Front Office Password	<p>This parameter provides the minimum number of characters the Front Office application will require the user to enter when setting the password at the terminal. Valid values are between 7 and 30.</p> <p>Note: After the 8.1.4.1-050 upgrade, if the previous parameter value was less than 7 or more than 30, it will be changed to 7.</p>
--	---

The following General System Parameter is located in the Store \ Front Office \ System folder.

Parameter	Explanation
Timeout to LogOff	<p>This parameter specifies the number of minutes after which the back office application will be automatically terminated if the user did not move the mouse or press any key in the active window. Before logoff, the user will have 10 seconds to prevent this automatic logoff. The Auto-logoff will take the user into a new session of the back office application. The valid range is 1 to 15 minutes.</p> <p>Note: After the 8.1.4.1-050 upgrade, if the previous parameter value was 0 or more than 60, it will be changed to 15.</p>

POS

Password hashing is now used in the following POS functions:

- Signing onto the POS – The entered password is hashed and validated against the hashed password in QDX database. If the hashed password is validated, the cashier is signed on.

Note:

If the General System Parameter “Cashier file is resident on POST” located in the Store \ POST \ General folder) is set to “Yes,” validation is performed against the QDX file on POS.

- Changing a password at the POS – The current password is validated and the old and new hashed passwords are logged in a

transaction. The new hashed password is updated in QDX (on the POS and MFS).

- Supervisor authorizations – The entered password is hashed and validated against the hashed password in QDX database. If the hashed password is validated, the action is authorized.
- Exiting Secure Mode – The entered password is hashed and validated against the hashed password in QDX database. If the hashed password is validated, Secure Mode is exited.
- Entering No Sale Mode – If the General System Parameter “Password Required at No Sale” (located in the Store \ POST \ Operational \ Secure \ Sign off \ Sign on folder) is enabled, the entered password is hashed and validated against the hashed password in QDX database. If the hashed password is validated, No Sale mode is entered.
- Switching Cash Drawers – If dual cash drawer functionality is used at the POS, the hashed password for the new cashier is written to CMOS.
- Signing off the POS – If the General System Parameter “Password Required at Sign Off” (located in the Store \ POST \ Operational \ Secure \ Sign off \ Sign on folder) is enabled, the entered password is hashed and validated against the hashed password in the QDX database. If validated, sign off is permitted.

System

The hashed password is now logged to a new secured data transaction (and its extension transaction) instead of the existing Log Function transaction (Opcode 0x20).

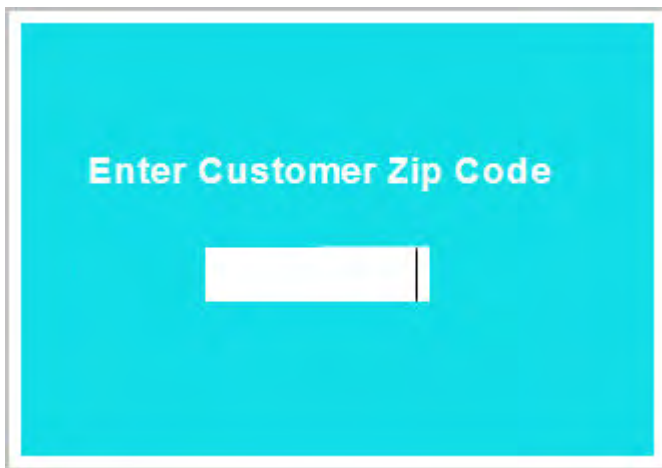
11379 – Support for Additional MTXEPS TAC Codes (POS)

ISS45 has added support for the following MTXEPS OpenEPS Terminal Action (TAC) Codes in this release:

- z - Zip Code (Bit 93)
- v - CVV2 (Bit 95)

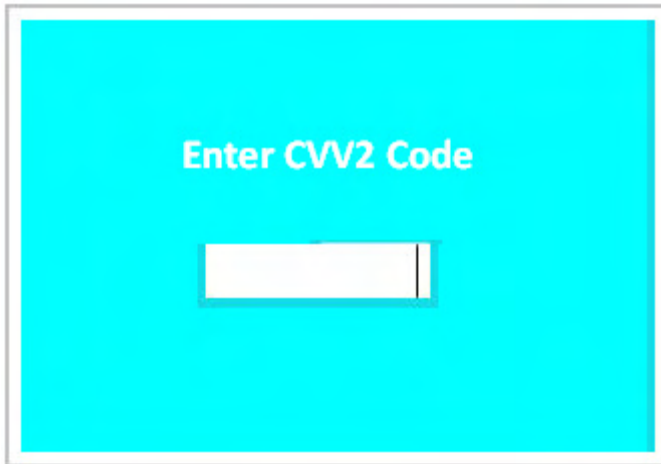
Zip Code

The POS now displays an input screen for Zip Code entry when requested by OpenEPS on manual Credit Card entries. The 5-character Zip Code entered is passed on to OpenEPS.



CVV2

The POS also displays an input screen for the Credit Card CVV2 number when requested by OpenEPS. The 3 to 9 digit number entered by the cashier is passed on to OpenEPS when requested on Credit Card tenders.

**Note:**

The CVV2 (a.k.a. Customer Card ID) number is printed on the back of Visa MasterCard and Discovery Credit Cards but not contained in the magnetic stripe information. The CVV2 value validates the customer has a card in their possession and the card account is legitimate.

11462 – U-Scan Alternate Customer Lookup (POS)

The ISS45 interface to Fujitsu's U-Scan self checkout system has been modified in this release to allow a customer to use their phone number as an alternate customer lookup (if their card is not available).

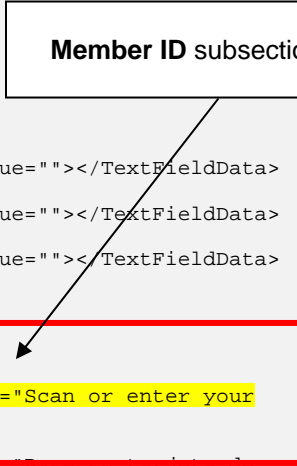
Note:

The customer's phone number must exist in the customer's alternate phone number lookup field before it can be entered and validated.

Setup Requirements

The StoreNextGMM.XML file (located in the c:\Robot\data folder) must be modified so the desired prompt message displays. In the Member ID subsection of the "TEXT AND LABEL FIELDS" section, change the TextFieldData value of the msgMemberId field to the desired message for customer identification prompting:

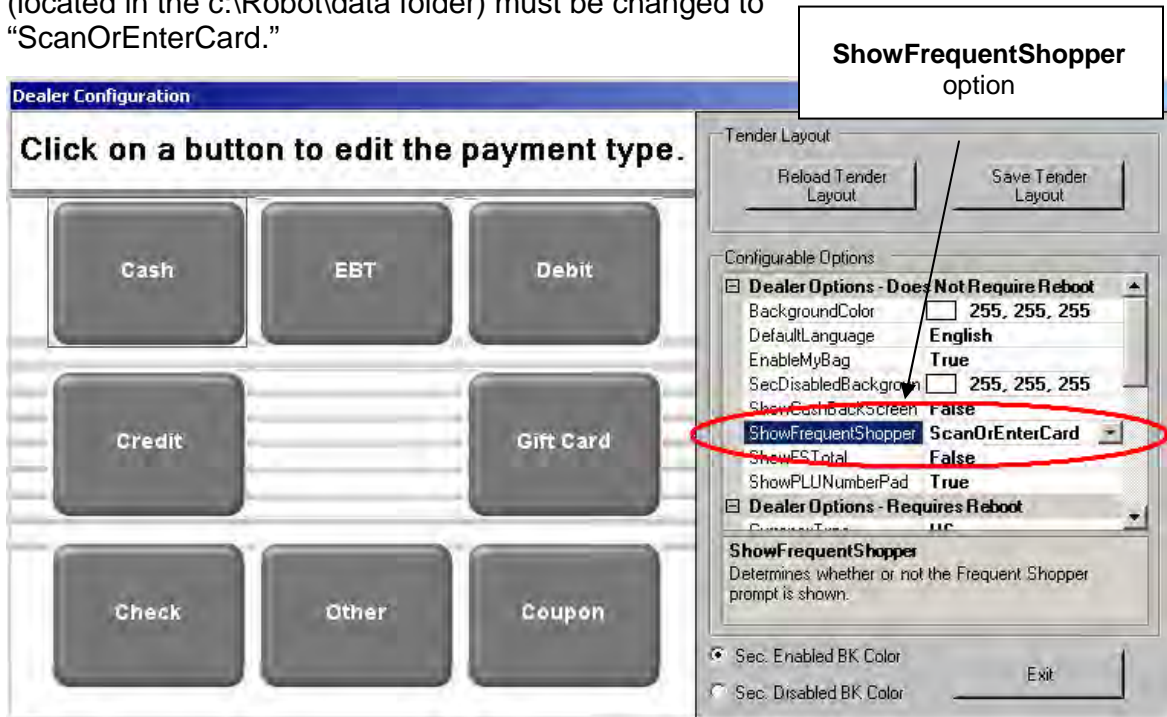
```
<!-- #####  
#          TEXT AND LABEL FIELDS          #  
#####-->  
  
<!-- General Screen Labels & Texts -->  
<!-- Start Screens Labels & Texts -->  
<!-- Member ID -->  
  
<TextField Name="MemberIdPinpad_VAL">  
<TextFieldData Style="Font_PinpadVal" Lang="English" Value=""></TextFieldData>  
<TextFieldData Style="Font_PinpadVal" Lang="Spanish" Value=""></TextFieldData>  
<TextFieldData Style="Font_PinpadVal" Lang="French" Value=""></TextFieldData>  
</TextField>  
  
<TextField Name="msgMemberId">  
<TextFieldData Style="Font_UserMsg" Lang="English" Value="Scan or enter your  
membership card&#xA;or phone number"></TextFieldData>  
<TextFieldData Style="Font_UserMsg" Lang="Spanish" Value="Pase su tarjeta de  
membres&#237;a por el lector &#243;ptico&#xA;&#243; entre la informaci&#243;n  
en el teclado num&#233;rico"></TextFieldData>  
  
<TextFieldData Style="Font_UserMsg" Lang="French" Value="Veuillez scanner  
votre carte de membre&#xA;ou entrer le num&#233;ro"></TextFieldData>  
</TextField>
```



Note:

The “
” command in this example causes a line break in the string so that the prompt appears on two lines.

In addition, the “ShowFrequentShopper” option in DealerConfig.exe (located in the c:\Robot\data folder) must be changed to “ScanOrEnterCard.”

**Process Flow**

There are seven possible scenarios that can occur after the customer presses the “Start” button on the U-Scan terminal and is presented with the keypad prompt. The following table shows each scenario and result.

Scenario	Results
<p>1 – Customer key-enters a number of length greater than 5 digits that:</p> <ul style="list-style-type: none"> Is not a valid customer number or Secondary ID. Is not a valid item number 	<ul style="list-style-type: none"> Key-entered number greater than 5 digits is assumed to be an attempt by the customer to enter a customer number. The robot will say “Place item on scanner and wait” The Attendant screen will say “Invalid Customer Number” (Direct Intervention by cashier needed in direct mode to proceed with sale.) The customer will not receive Frequent

Shopper discounts.	
<p>2– Customer key-enters a number of length 5 digits or fewer that:</p> <ul style="list-style-type: none"> • Is not a valid customer number or secondary ID. • Is not a valid item number 	<ul style="list-style-type: none"> • Key-entered item less than or equal to 5 digits is not assumed to be an attempt by the customer to enter a customer number. The number will be looked up in the customer file first and when it is not found will be processed as an item number. • Robot will say “Place item on scanner and wait” • The Attendant screen will say “Item Not on File” • (Direct Intervention by cashier needed in direct mode to proceed with sale.) • The customer will not receive Frequent Shopper discounts.
<p>3 – Customer key-enters a number of length 5 digits or fewer that:</p> <ul style="list-style-type: none"> • Is not a valid customer number or secondary ID. • Is a valid item number 	<ul style="list-style-type: none"> • Key-entered item less than or equal to 5 digits is not assumed to be an attempt by the customer to enter a customer number. The number will be looked up in the customer file first and when it is not found will be processed as an item number. • The U-Scan will ring up the item. • The Secondary ID prompt will be bypassed. • The sale will continue • The customer will not receive Frequent Shopper discounts.
<p>4 – Customer key-enters a valid Customer Number</p>	<ul style="list-style-type: none"> • Robot will show Frequent Shopper card number on e-receipt. • Robot will say “Welcome Frequent Shopper.” • Sale will continue. • The customer will receive Frequent Shopper discounts.
<p>5 – Customer key-enters a valid Phone Number or Secondary ID.</p>	<ul style="list-style-type: none"> • Robot will show the Phone Number or Secondary ID as the Frequent Shopper Card number on e-receipt. • Robot will say “Welcome Frequent Shopper.” • Sale will continue. • The customer will receive Frequent Shopper discounts.

6 – Customer scans a valid Customer Card

- Robot will show Frequent Shopper card number on e-receipt.
- Sale will continue
- The customer will receive Frequent Shopper discounts.

7 – Customer presses the “Non-Members” button to bypass the prompt.

- Robot will show “Frequent Shopper Card 0” on e-receipt.
 - Robot will say “Welcome Frequent Shopper.”
 - Sale will continue.
 - Customer will not receive Frequent Shopper discounts.
-

11462 – WIC CVV Support (FO/POS)

New in this ISS45 release is support for paper WIC CVVs (Cash Value Vouchers) in response to the USDA initiative to increase its participants' choices by offering fresh and processed fruits and vegetables. While traditional WIC checks are item-based, dollar-based WIC CVVs facilitate the purchase of fruits and vegetables since few fresh fruits and vegetables are sold in standard weight units (with uniform bar codes) and their prices may vary considerably (between seasons, regions and stores).

This implementation involves support for the new "WIC CVV Sale Mode" where:

- Voucher amounts, issue and/or expiration dates are optionally entered at the beginning of a transaction.
- WIC CVV flagged fruits and vegetable items (or WIC CVV flagged department sales) are entered into the ticket.
- The transaction is tendered with the vouchers declared at the beginning of the transaction.
- Tendered vouchers are endorsed.

New Parameter options in this release also provide options to accept WIC CVVs (Cash Value Vouchers) in both a mixed-basket transaction and a split-tender transaction.

In a mixed-basket transaction, the ticket includes both non-WIC CVV and WIC CVV items. In a split-tender transaction, additional tenders in addition to WIC CVV are allowed in the in the same ticket (both inside and outside of WIC CVV Sale Mode).

Note:

In a mixed-basket transaction, split-tendering is automatically enabled regardless of the setting for the new General System Parameter "Allow split tendering in a WIC CVV transaction".

When used, WIC CVVs must be the first tender selected in a transaction. If Food Stamps are used in a split-tender transaction (where WIC CVV tenders have been used), they must be the second tender selected. Lastly, traditional WIC checks cannot be tendered in the same transaction as a WIC CVV voucher.

Front Office

New Parameter

As part of this feature several new parameters have been established. The following General System Parameters are located in the **new** Store \ POST \ Operational \ WIC CVV folder.

Parameter	Explanation
Allow WIC CVV voucher in a mixed basket transaction	<p>This parameter defines if a WIC CVV voucher may be used as tender outside of a WIC CVV mode sale.</p> <p>Note: When this parameter is set to "Yes", the system will enable split-tendering regardless of the setting of the "Allow split tendering in a WIC CVV transaction" parameter (below).</p>
Allow split tendering in a WIC CVV transaction	<p>This parameter defines if a consumer will be allowed to pay for part of a WIC CVV transaction with a WIC CVV voucher, and part with a different tender.</p>
WIC CVV Prompt Options	<p>This field determines whether the system prompts for WIC CVV amount and expiration date. Select one of the following:</p> <ul style="list-style-type: none"> • No extra prompt • Prompt for Amount • Prompt for Expiration Date • Prompt for Amount and Expiration Date
WIC CVV Print Options	<p>This field determines whether the WIC CVV amount and expiration date prints on the receipt. Select one of the following:</p> <ul style="list-style-type: none"> • No extra print

	<ul style="list-style-type: none"> • Print CVV Amount • Print Expiry Date • Print Amount and Expiry Date
CC for Exceeding WIC CVV Voucher Amount	Specify the control check to be triggered if the ticket subtotal is greater than the total amount of the declared WIC CVV vouchers.
CC for Exceeding WIC CVV Expiry Date	Specify the control check to be triggered if the WIC CVV date has expired.
CC for Bypassing WIC Voucher Amount	Specify the control check to be triggered if no WIC CVV amount is entered.
CC for Bypassing WIC CVV Expiry Date	Specify the control check to be triggered if no WIC CVV expiration date is entered.
WIC CVV Validity Period (in Days)	<p>Use this parameter together with the WIC CVV Date Type (below). Enter the number of days for which the voucher is valid, taken from the voucher's date of issue.</p> <p>If the validity period is exceeded, the POS terminal triggers the control check for exceeding WIC CVV expiry date.</p>
WIC CVV Date Type	<p>Select if you want the system to check the WIC CVV issue date, expiration date or both issue and expiration date.</p> <p>Note:</p> <p>If this parameter is not set to "Both", it is possible to enter an expiration date at the POS that is before the voucher issue date.</p>

Control Check to allow WIC Eligibility for Item or Department Sale	Specify the control check to be triggered if a non-WIC CVV item or department is attempted to be added in WIC CVV Sale Mode.
WIC CVV Date Format mm/yy	This parameter allows for the date format of mm/yy to be used on both the WIC CVV Issue and Expiry dates. If set to No, the date format of mm/dd/yy will be used.
WIC validity period (in months) for date format mm/yy	This parameter specifies the number of months for which the WIC CVV Voucher is valid. This parameter takes effect only when using a WIC CVV Date Format of MM/YY (see above) and selecting Issue Date in the WIC CVV Date Type parameter.

The following new General System Parameter is located in the existing Store \ POST \ Presentation \ Receipt \ Signs folder.

Parameter	Explanation
WIC CVV sale sign	This parameter defines the character to print on a customer receipt to indicate that an item is a WIC CVV eligible item.

New WIC CVV Flag in PLU Maintenance

Fruits and vegetables that may be purchased using WIC CVV must be flagged accordingly using the new **WIC CVV** flag on the PLU Maintenance screen's Parameters 1 Tab.

The screenshot shows the 'Item Inquiry' window for item 4011, 'BANANAS'. The 'Parameters 1' tab is active, showing various settings. In the 'Allow Payment by' section, the 'WIC CVV' checkbox is checked, and a callout box labeled 'WIC CVV flag' points to it. Other options include 'WIC' (unchecked), 'Food Stamps' (checked), 'Store Coupon', 'Vendor Coupon', 'Bonus Coupon', 'Restrictions', 'Quantity', and 'FSA'.

Note:

The **WIC** and **WIC CVV** flags are mutually exclusive in Item Maintenance. If the **WIC** flag is enabled, the **WIC CVV** field is grayed out. The user must uncheck the **WIC** flag in order to enable the **WIC CVV** flag (and visa versa).

When the **WIC CVV** flag is checked, the **Food Stamps** flag is automatically set (if previously "Off"). If the **WIC CVV** flag is unchecked, the **Food Stamps** flag setting will not change.

If the **Food Stamps** flag is unchecked and the **WIC CVV** flag was previously checked, the **WIC CVV** flag will be automatically unchecked.

Note:

It is possible that both the **WIC** and **WIC CVV** flags could be enabled for an item or department through Batch Maintenance. If this occurs, the POS will allow the item or department to qualify for either WIC or WIC CVV.

New Department Maintenance Field

For supporting department sale transactions using departments that carry qualifying fruits and vegetables, a new **Payment by WIC CVV** flag has been added to the Department Maintenance screen's Flags Tab.

Department Maintenance

Department Number: Name: Active

Basic Setup **Flags**

General

<input checked="" type="checkbox"/> Allow Discount	<input type="checkbox"/> Payment by WIC	<input type="checkbox"/> Trading Stamps eligible
<input checked="" type="checkbox"/> Allow Weighing	<input checked="" type="checkbox"/> Payment by WIC CVV	<input type="checkbox"/> Store Coupon
<input type="checkbox"/> Negative-entry department	<input type="checkbox"/> Decimal Quantity	<input type="checkbox"/> Vendor Coupon
<input type="checkbox"/> Non-merchandise department	<input type="checkbox"/> Cost-Plus department	<input type="checkbox"/> Bonus Coupon
<input type="checkbox"/> Excise Tax	<input type="checkbox"/> Include in Saving Plus total	<input type="checkbox"/> No manual amount entry
<input type="checkbox"/> Exclude from min purchase	<input type="checkbox"/> Fuel department	<input type="checkbox"/> Report price changes to H/O
<input checked="" type="checkbox"/> Payment by Food Stamps	<input type="checkbox"/> No Member Card points	<input type="checkbox"/> Exclude From Promotions

Tax Rates

<input type="checkbox"/> Tax Rate 1	<input type="checkbox"/> Tax Rate 4	<input type="checkbox"/> Tax Rate 7
<input type="checkbox"/> Tax Rate 2	<input type="checkbox"/> Tax Rate 5	<input type="checkbox"/> Tax Rate 8
<input type="checkbox"/> Tax Rate 3	<input type="checkbox"/> Tax Rate 6	

FSA

<input type="checkbox"/> Non-Rx
<input type="checkbox"/> Rx

Payment by WIC CVV flag

Note:

The **Payment by WIC** and **Payment by WIC CVV** flags are mutually exclusive in Department Maintenance. If the **Payment by WIC** flag is enabled, the **Payment by WIC** flag is automatically grayed out. The user must uncheck the **Payment by WIC** flag in order to enable the **Payment by WIC** flag (and visa versa).

When the **Payment by WIC CVV** flag is checked, the **Payment by Food Stamps** flag is automatically set (if previously "Off"). If the **Payment by WIC CVV** flag is unchecked, the **Payment by Food Stamps** flag setting will not change.

If the **Payment by Food Stamps** flag is unchecked and the **Payment by WIC CVV** flag was previously checked, the **Payment by WIC CVV** flag will be automatically unchecked.

New Tender Maintenance Setting

To support the new WIC CVV Sale Mode, a Tender Type of **WIC CVV** has been added to the Tender Maintenance Screen's Tender Type selection list. To support WIC CVV Sale Mode, the tender designated as the WIC CVV tender must be added to a preset Tender Key on the POS Menu.

The screenshot shows the 'Tender Maintenance' window. At the top, 'Tender Number' is 29 and 'Name' is WIC CVV. Below are tabs for 'POST Report', 'EPS - EFT', 'Tender Setup', 'Values and C/Cs', 'General Parameters', 'Specific 1', 'Specific 2', 'Template', and 'Open Loan'. The 'Tender Type' dropdown is set to 'WIC CVV', which is highlighted by a callout box labeled 'WIC CVV Tender Type'. Other fields include 'Sub Tender Type', 'Accountable Tender', 'General Control Checks', 'Daily Value', 'Repeat Tender', and 'Repeat Card No.'.

POS

WIC CVV Sale Mode

The POS supports WIC CVV Sale Mode transactions using the following steps:

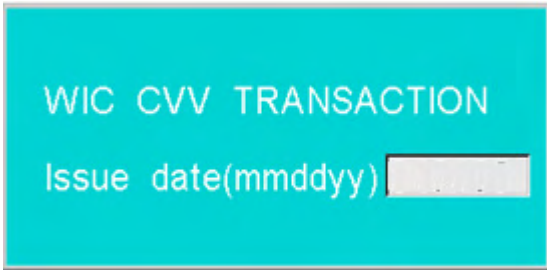
Note:

In Keyboard Programming, a Sale Mode Preset for the WIC CVV tender needs to be established and added to the POS Menus.

- 1 The cashier presses the WIC CVV button in Sale Mode. The cashier is prompted for the voucher amount:

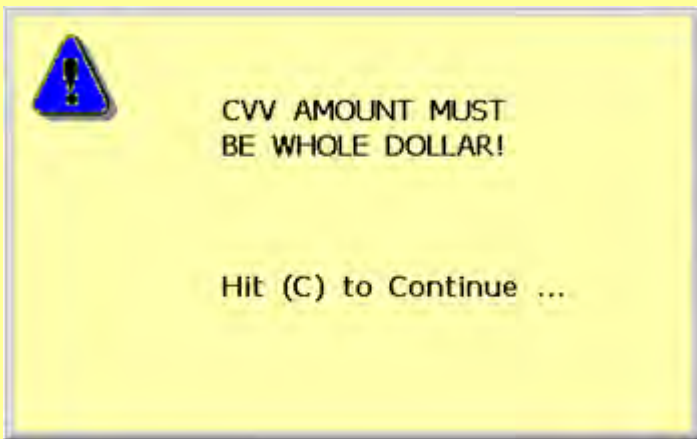
The screenshot shows a teal-colored screen with the text 'WIC CVV TRANSACTION' at the top. Below it, the text 'Check amount' is followed by a grey input field for entering the amount.

- The cashier keys in the voucher amount (with assumed two place decimal) and presses **Enter**. Depending on WIC CVV prompting options (see page 44) the cashier may be prompted for the voucher Issue Date:



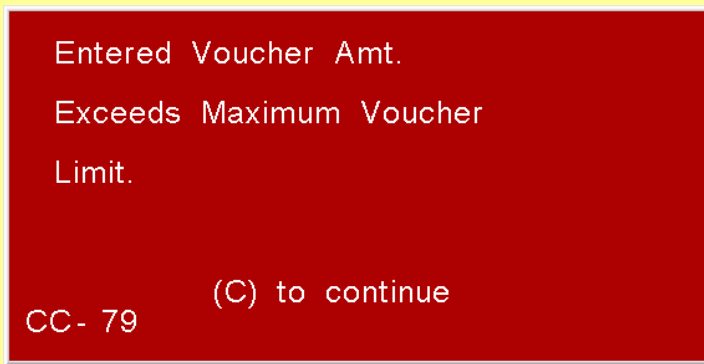
Note:

If the cashier enters a non-whole dollar value (or 0.00), the following warning message displays:

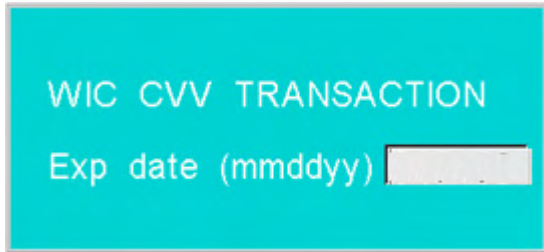


The cashier must press the Clear key and re-enter the correct amount.

Likewise, the POS will check that the amount does not exceed the maximum voucher value as defined by the setting of the "Maximum Value" in the Tender Maintenance for WIC CVV tender. If the maximum amount is exceeded the control check defined for the "Maximum Value" will be displayed:

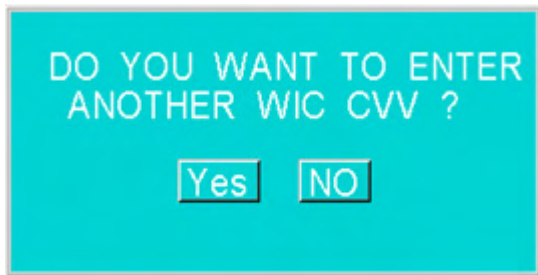


- The cashier keys in the Issue Date and presses **Enter**. The cashier is prompted for the Expiration Date.



WIC CVV TRANSACTION
Exp date (mmdyy)

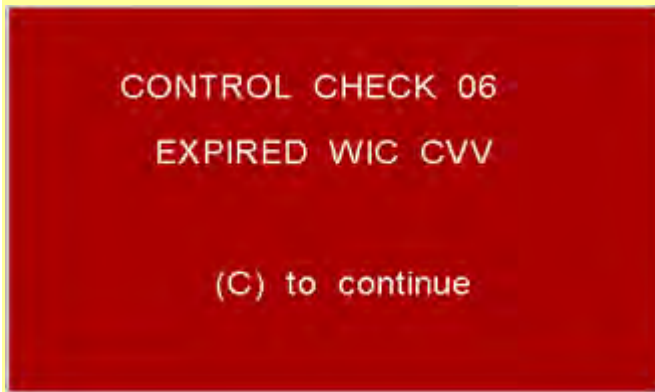
- The cashier keys in the Expiration Date and presses **Enter**. The following prompt displays.



DO YOU WANT TO ENTER
ANOTHER WIC CVV ?

Note:

The POS validates both the WIC CVV Issue Date and Expiration Date. If the voucher is expired, the POS will issue the Control Check designated by the new "CC for Exceeding WIC CVV Expiry Date" parameter. For example:

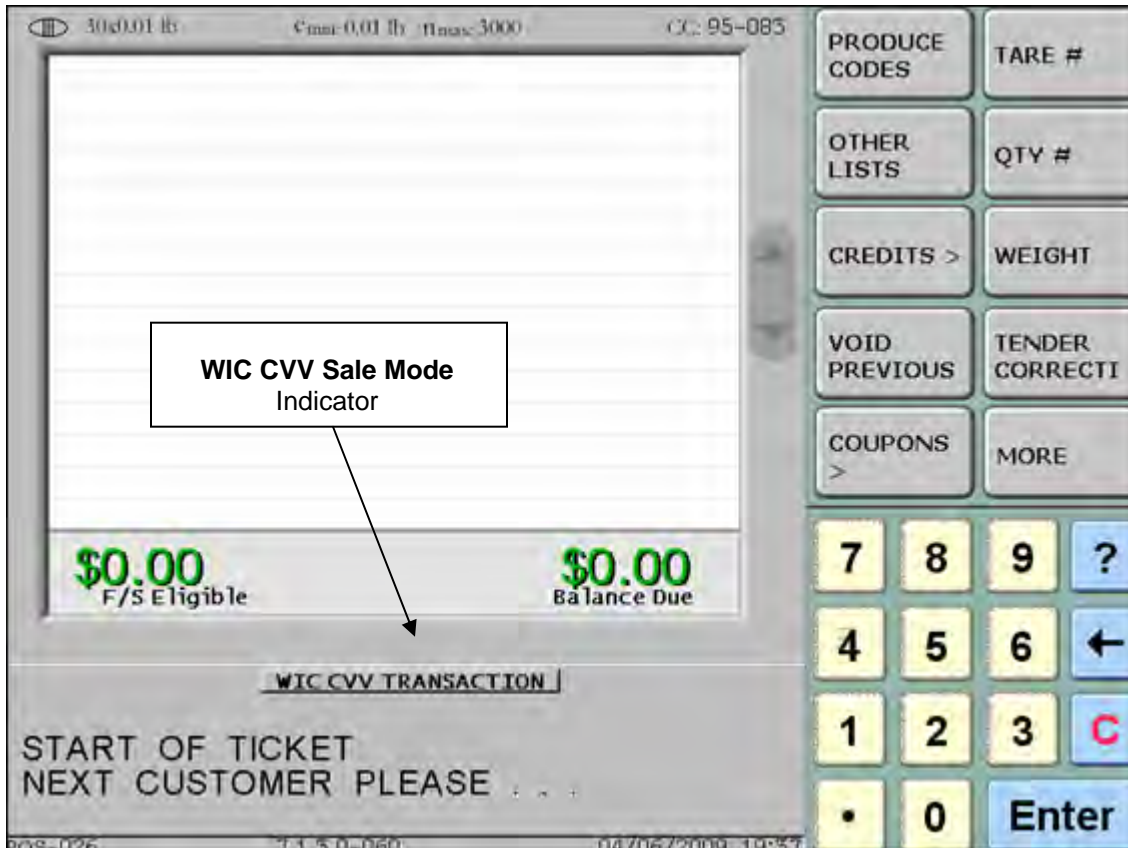


CONTROL CHECK 06
EXPIRED WIC CVV
(C) to continue

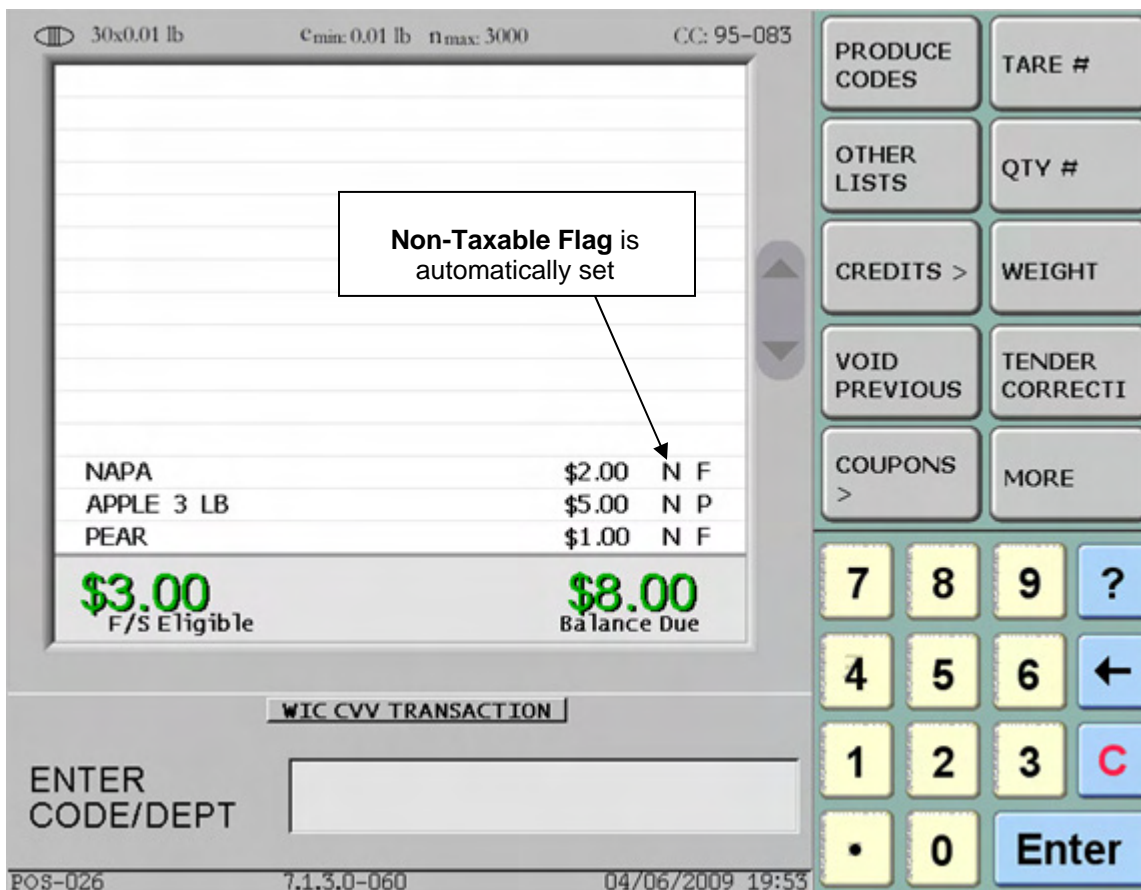
Note:

Once the validity period for a voucher has been validated, the POS will check if the maximum number of vouchers (based on the Tender Maintenance Screen's "Maximum times in ticket" setting (Values and C/Cs Tab) has been reached. If the maximum number of vouchers allowed to be accepted in a ticket has been reached the POS will exit voucher declaration and there will be no more prompting for vouchers.

- 5 If "Yes" is selected, repeat steps 2 through 4 for the next voucher. If "No" is selected, the POS is placed in WIC CVV Sale Mode (as indicated by the new indicator on the Cashier Display).



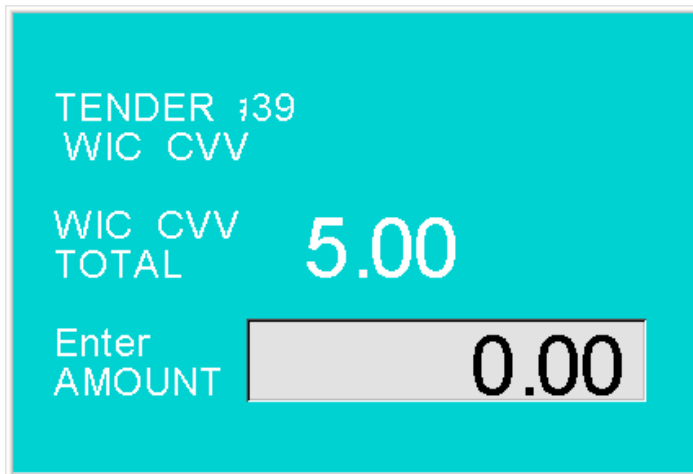
- 6 The cashier enters WIC CVV designated items into the transaction (or optionally rings a department sale to a WIC CVV designated department). The POS will automatically flag the items as "non-taxable".

**Note:**

If at any time during the transaction adding an item to the ticket causes the ticket sub-total to exceed the total amount of vouchers declared at the beginning of the transaction, the POS will issue the Control Check set by the new "CC for Exceeding WIC CVV Check Amount" parameter.

In sites where split-tendering is enabled, the store may want to issue a Control Check Type of "Ask Yes/No" so the cashier can confirm that the customer has other tenders prior to adding the item to the transaction. In sites where split-tendering is disabled, the store might choose to issue a Control Check Type of "Inhibit Activity".

- 7 The cashier totals the transaction and selects the WIC CVV tender to tender the transaction. The POS prompts the cashier to enter a WIC CVV voucher for tendering and endorsement.



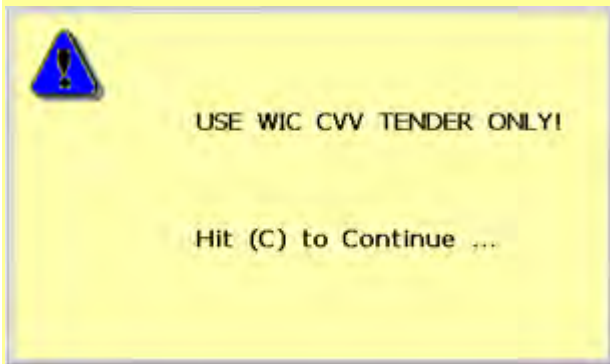
TENDER #39
WIC CVV

WIC CVV
TOTAL 5.00

Enter
AMOUNT

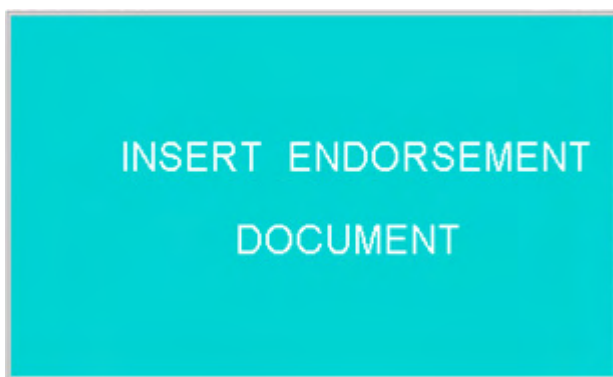
Note:

If a non-WIC CVV designated tender is selected, the following warning message displays:



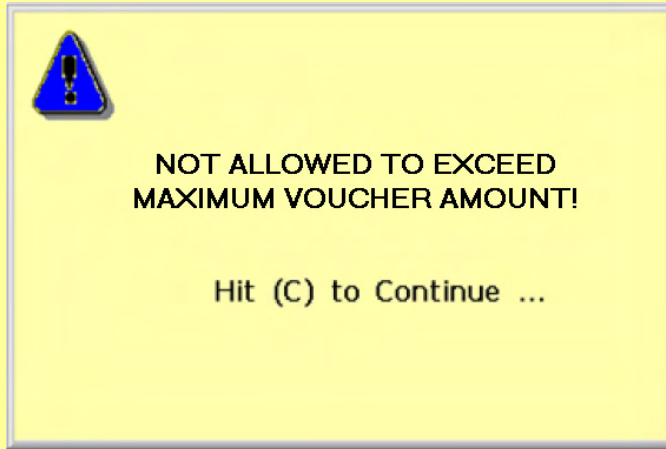
The cashier must press the Clear key to return to Tender Mode to select the correct tender.

- 8 The cashier keys in the voucher amount (with assumed two place decimal) and presses **Enter**. The cashier is prompted to insert the voucher for endorsement.



Note:

If the cashier enters a WIC CVV tender amount greater than the Maximum Amount configured in Tender Maintenance for the designated WIC CVV tender, the POS will issue the following warning message:



The cashier must press the Clear key and re-enter the correct amount.

- 9 The cashier inserts the voucher for endorsement.

Note:

The existing General System Parameter "CC for Bypass Check Endorsement" (located in the Store \ POST \ Operational \ Control Checks \ Printing folder) also monitors the cancellation of printing of the WIC CVV voucher endorsement.

- 10 Repeat steps 7 through 9 until the transaction is fully tendered.

Note:

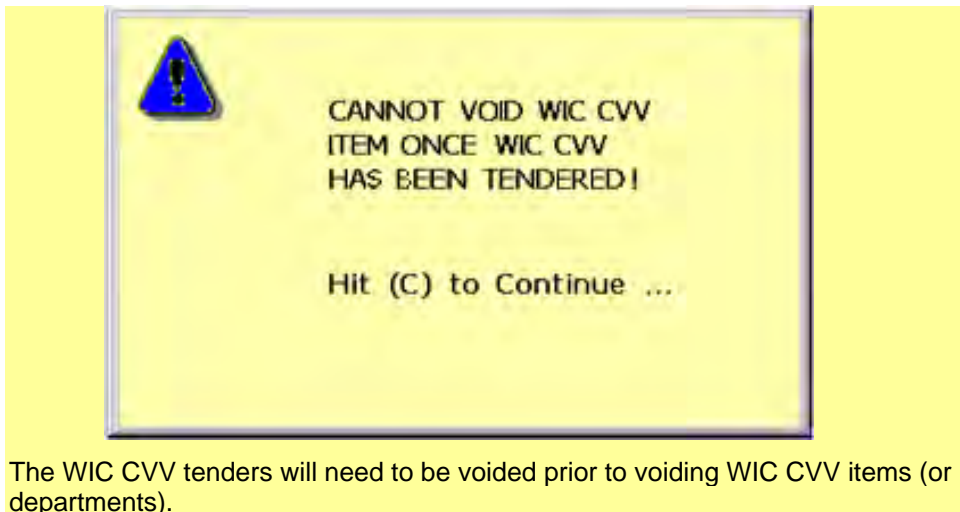
A voucher will never be endorsed for over its face amount and no change is dispersed in a WIC CVV transaction. No warning message will be issued to the customer that benefits will be lost. If a voucher of \$6.00 is tendered in ticket which has a remaining balance of \$2.50, the voucher will be endorsed for \$2.50.

Note:

It is the retailer's responsibility to set up the endorsement template for WIC transactions (and link it to the WIC CVV tender in Tender Maintenance).

Note:

WIC CVV items (or department sales) cannot be voided if a WIC CVV tender has already been accepted. The following warning message will display:



The WIC CVV tenders will need to be voided prior to voiding WIC CVV items (or departments).

Note:

If a WIC CVV transaction is cancelled or post voided or if WIC CVV items are voided after WIC CVV vouchers have been endorsed, it will be the customer's responsibility to submit them to the agency responsible for re-issuance.

Split-Tendering Support

When inside WIC CVV Sale Mode with split-tendering allowed:

- The transaction total is allowed to exceed the WIC CVV tender's maximum allowable value multiplied by the maximum allowable times permitted in a ticket.
- If the sale of a non-WIC CVV item is attempted in a WIC CVV Sale Mode the "Allow WIC CVV eligibility" Control Check will be displayed. If the control check is denied the item is not added to the ticket and the POS returns to the enter item screen
- After all declared vouchers have been tendered and endorsed, additional vouchers will be allowed.
- It is not required that any declared WIC CVV voucher is used (if the customer decides later to use another tender).
- A WIC CVV Voucher can be tendered for any amount up to the WIC CVV tender's maximum allowable value, regardless of any WIC CVV Vouchers entered at the beginning of the transaction. If the voucher was not entered in the beginning, the cashier will be required to visually inspect the dates on the voucher. (If the voucher is tendered for an amount greater than the WIC CVV Subtotal, the WIC CVV Tender Amount will be automatically reduced by the system to the amount of the WIC CVV Subtotal.)

Whether inside or outside WIC CVV Sale Mode with split-tendering allowed:

- No change is allowed to be given for WIC CVV vouchers. If the balance due is less than the value of the last WIC CVV voucher to be tendered in a ticket, the voucher will only be allowed to be tendered and endorsed for the remaining balance due in the ticket. (The cashier enters the actual dollar value of the last WIC CVV voucher and the POS will adjust it to the remaining WIC CVV balance due).

Mixed Basket Support

A normal sale transaction with WIC CVV allowed as a tender functions as a normal sale does today with the following exceptions:

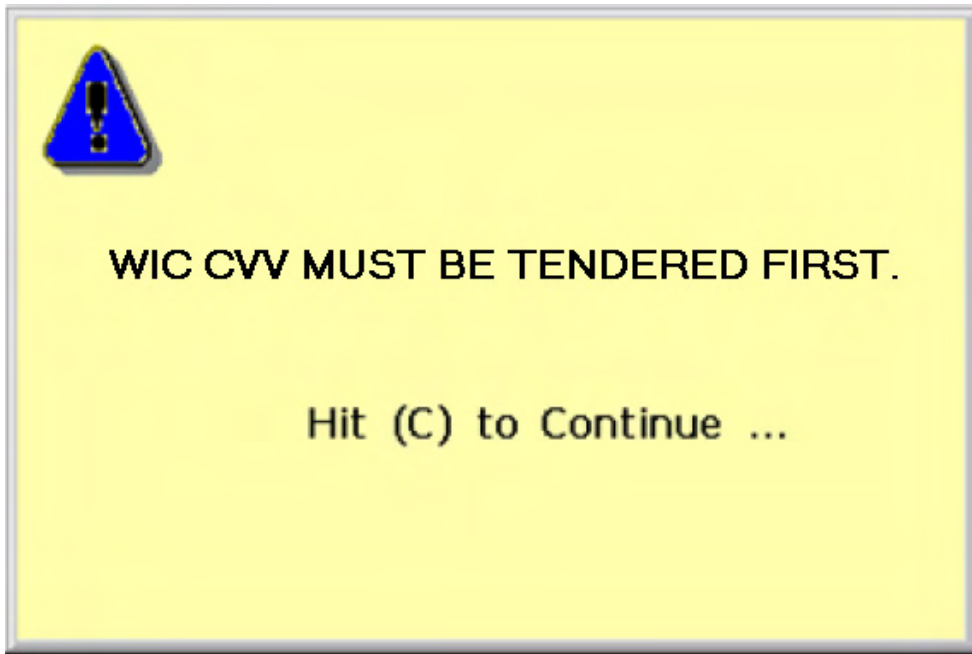
- Upon totaling the ticket the cashier must tender the WIC CVV vouchers first. If any other tender is tendered first WIC CVV vouchers will not be allowed.
- For each WIC CVV voucher tendered the POS will validate and endorse the voucher for the tendered amount (using the same process as WIC CVV Sale Mode).

Note:

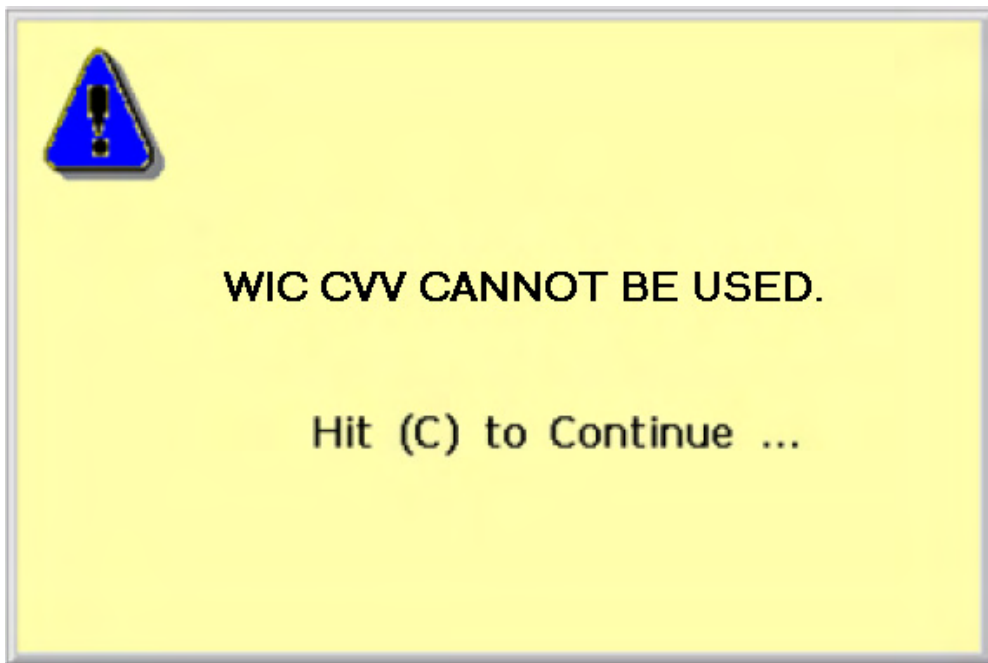
In a mixed-basket transaction, WIC CVV vouchers are tendered the same as WIC CVV Sale Mode with split-tendering enabled (and limited to the WIC CVV tender's maximum allowable value and "Maximum times in ticket" settings).

Additional Warning Messages

If either the "Allow WIC CVV in a Mixed Basket Transaction" or "Allow Split Tendering in a WIC CVV Transaction" parameter is enabled and a WIC CVV Tender Type is selected after a non-WIC CVV Tender Type has been previously tendered, the tender will not be accepted and the following warning displays:

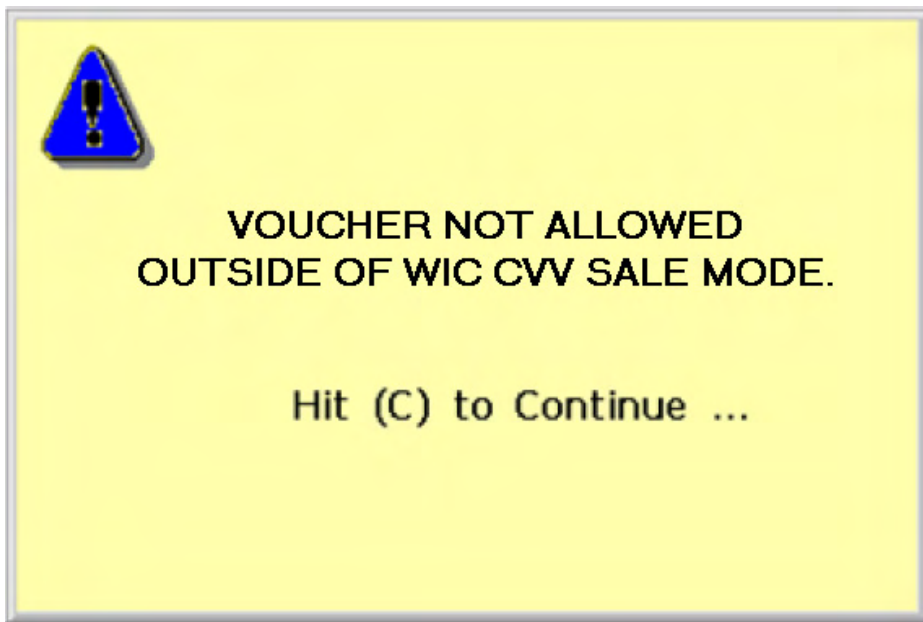


If either the “Allow WIC CVV in a Mixed Basket Transaction” or “Allow Split Tendering in a WIC CVV Transaction” parameter is enabled and a WIC CVV Tender Type is selected and there is not a positive WIC CVV subtotal in the transaction, the tender will not be accepted and the following warning displays:

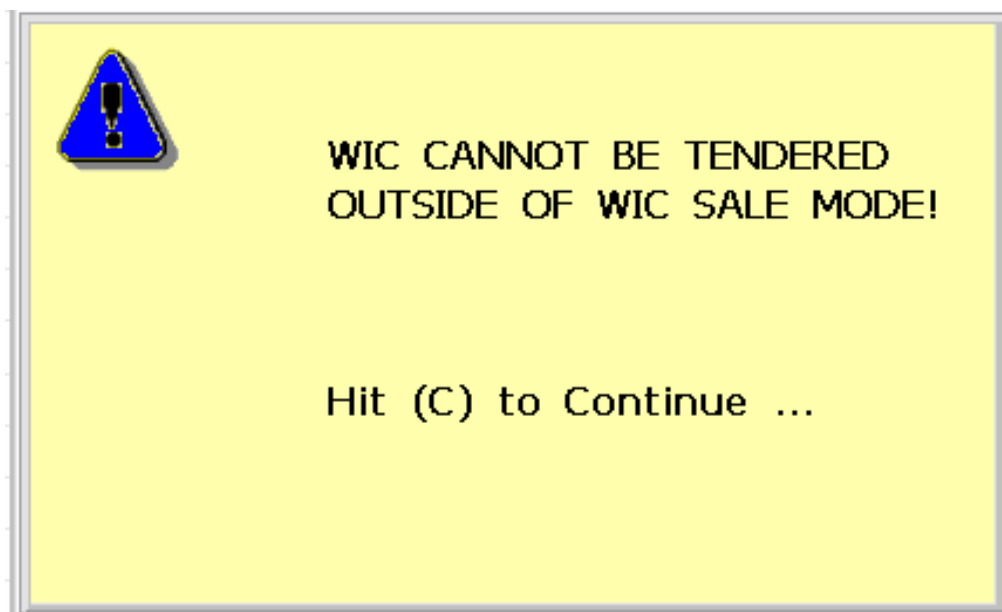


If the “Allow WIC CVV in a Mixed Basket Transaction” parameter is disabled and a tender type of “WIC CVV” is tendered outside of WIC CVV

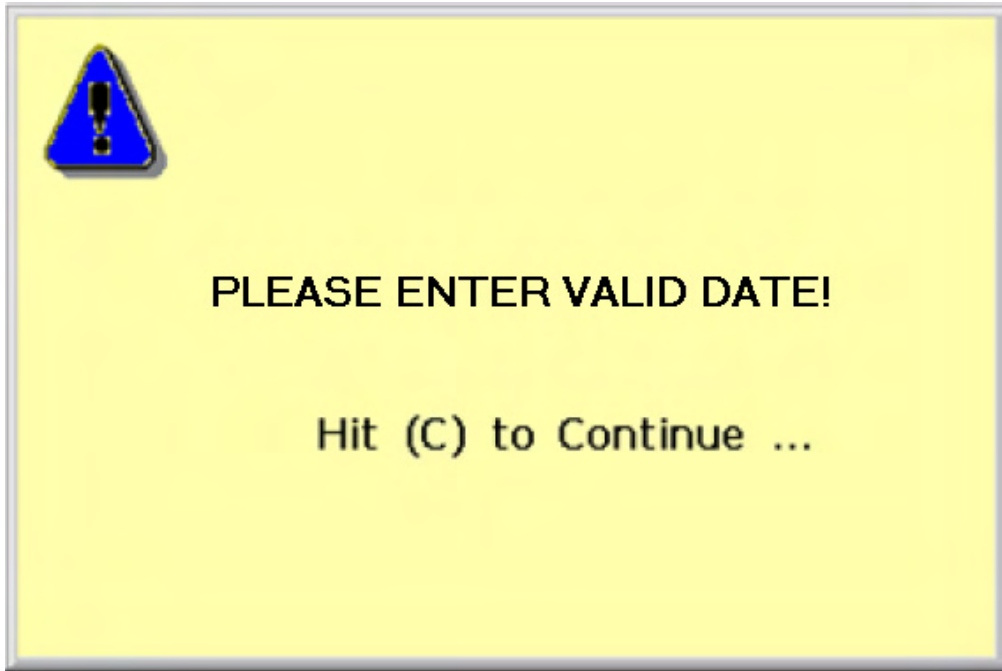
Sale Mode, the tender will not be accepted and the following warning message is issued:



If a traditional WIC check is attempted to be tendered inside WIC CVV Sale Mode or when tendering outside of WIC CVV Sale Mode (with mixed-baskets enabled) the tender will not be accepted and the following message will be issued:



When prompted, if an invalid voucher Issue or Expiration Date is entered (or if the user attempts to bypass date entry), the following warning message displays:



WIC CVV Prompt Option Support

Prompting for WIC CVV Voucher information will vary depending on the setting of the new General System Parameters. The following rules are applied:

Note:

Date prompting will only occur at the beginning of a ticket in WIC CVV Sale Mode. If more vouchers are tendered than declared, it will be the cashier's responsibility to inspect the dates for validity.

Note:

The voucher amount is always prompted for when tendering inside or outside of WIC CVV Sale Mode if a voucher amount was not previously entered prior to selecting the WIC CVV tender.

When the "WIC CVV Prompt Options" is set to "No Extra Prompt":

- There is no declaration prompting for voucher amount, expiration date or issue date.
- The "CC for Bypassing WIC CVV Expiry Date" parameter is ignored.

When the "WIC CVV Prompt Options" is set to "Prompt for Amount":

- The voucher amount is prompted for when declaring vouchers in WIC CVV Sale Mode.
- There is no Issue Date or Expiration Date prompting.
- The “CC for Bypassing WIC CVV Expiry Date” parameter is ignored.

When the “WIC CVV Prompt Options” is set to “Expiration Date”:

- When declaring vouchers in WIC CVV Sale Mode, if the WIC CVV Date Type is set for “Issue Date” or “Both”:
 - The user is prompted for an issue date.
 - The user is prompted for the Expiration Date.
 - The “CC for Bypassing WIC CVV Expiry Date” is issued if a date is not entered.
 - The “CC for Exceeding WIC CVV Expiry Date” is issued if the voucher has expired.
 - The validity period of the voucher will be checked against the values set for the parameters “WIC CVV validity period (in days)” or “WIC CVV validity period (in months) for date format MM/YY” (depending on the WIC CVV date format). If exceeded, the CC for Exceeding WIC CVV Expiry Date” is issued.
- When tendering vouchers in a mixed-basket transaction, if the WIC CVV Date Type option is set for “Issue Date” or “Both”:
 - The user is prompted for an issue date
 - The user is prompted for the Expiration Date.
 - The “CC for Bypassing WIC CVV Expiry Date” is issued if a date is not entered.
 - The “CC for Exceeding WIC CVV Expiry Date” is issued if the voucher has expired.
 - The validity period of the voucher will be checked against the values set for the parameters “WIC CVV validity period (in days)” or “WIC CVV validity period (in months) for date format MM/YY” (depending on the WIC CVV date format). If exceeded, the CC for Exceeding WIC CVV Expiry Date” is issued.

When the “WIC CVV Prompt Options” is set to “Prompt for Amount and Expiration Date”:

- When declaring vouchers in WIC CVV Sale Mode, if the WIC CVV Date Type option is set for “Issue Date” or “Both”:
 - The user is prompted for the voucher amount.
 - The user is prompted for an issue date.
 - The user is prompted for the Expiration Date.
 - The “CC for Bypassing WIC CVV Expiry Date” is issued if a date is not entered.
 - The “CC for Exceeding WIC CVV Expiry Date” is issued if the voucher has expired.
 - The validity period of the voucher will be checked against the values set for the parameters “WIC CVV validity period (in days)” or “WIC CVV validity period (in months) for date format MM/YY” (depending on the WIC CVV date format). If exceeded, the CC for Exceeding WIC CVV Expiry Date” is issued.
- When tendering vouchers in a mixed-basket transaction, if the WIC CVV Date Type option is set for “Issue Date” or “Both”:
 - The user is prompted for the voucher amount (if a tender amount was not previously entered prior to selecting the WIC CVV tender).
 - The user is prompted for an issue date.
 - The user is prompted for the Expiration Date.
 - The “CC for Bypassing WIC CVV Expiry Date” is issued if a date is not entered.
 - The “CC for Exceeding WIC CVV Expiry Date” is issued if the voucher has expired.
 - The validity period of the voucher will be checked against the values set for the parameters “WIC CVV validity period (in days)” or “WIC CVV validity period (in months) for date format MM/YY” (depending on the WIC CVV date format). If exceeded, the CC for Exceeding WIC CVV Expiry Date” is issued.

New WIC CVV Tender PPM

A new WIC CVV Tender POSware Presentation Manager (PPM) screen displays the ticket's WIC CVV Eligible amount when the WIC CVV tender is selected. If both the "Allow WIC CVV in a Mixed Basket Transaction" and the "Display WIC CVV Eligible Total on Cashier Display" parameters are enabled and the WIC CVV Tender is selected prior to entering a voucher amount, the ticket's allowable WIC CVV tender amount displays above the entry field:



The displayed amount is reduced by any previously accepted WIC CVV vouchers.

Note:

In Tender Mode when the WIC CVV tender is selected, the POS will check if the maximum number of vouchers (based on the Tender Maintenance Screen's "Maximum times in ticket" setting (Values and C/Cs Tab) has been reached. If so, the designated Control Check will be issued.

WIC CVV Receipt Printing

Voucher information from tendered WIC CVVs may appear on the customer receipt, depending on the new "WIC CVV Print Options" parameter setting: "Print CVV Amount", "Print Expiry Date" or "Print Amount and Expiry Date".

Note:

The character defined in the new General System Parameter "WIC CVV sale sign" will appear next to WIC CVV items.

Example – WIC CVV Sale Mode Ticket

When printing WIC CVV information for WIC CVV Sale Mode transactions, the WIC CVV information appears at the top of the receipt (along with the text “WIC CVV Sale”).

Retailix

WIC CVV Sale

Total CVV: 8.00

CVV(1) Amt: 8.00
Issue Date: 05/01/2009
Exp. Date: 05/31/2009

BROC SLAW EAT ST			
1 @ 2 FOR	4.00	C 2.00	F
SNOW PEAS		C 3.19	F
SQUASH ZUCCHINI		C 2.13	F
BANANAS			
1.45 lb @ 0.69/ lb		C 1.00	F
CARROTS BABY CUT		C 1.69	F
TOMATO GRAPE		C 2.99	F
Order Total		13.00	
Sales Tax		0.00	
Grand Total		13.00	
WIC CVV	Payment	8.00	
Cash	Payment	20.00	
Change		15.00	

Your cashier was Mickey

05/12/2009 21:30 S1322 R109 3021 C0249

Thanks for shopping with Retailix.

WIC CVV Sale Mode ticket

All Print Options enabled

WIC CVV Sale Sign enabled

Example – Mixed Basket Ticket

When printing WIC CVV information for Mixed Basket WIC CVV transactions, the date information configured to print will print under the WIC CVV tender information.

Retalix

MILK		2.89	F
FANTA ORANGE		1.39	T F
PREM CIN BAGLE		2.59	F
PREM CIN BAGLE		2.59	F
BROC SLAW EAT ST			
1 @ 2 FOR	4.00	2.00	F
SNOW PEAS		3.19	F
SQUASH ZUCCHINI		2.13	F
BANANAS			
1.45 lb @	0.69/ lb	1.00	F
CARROTS BABY CUT		1.69	F
TOMATO GRAPE		2.99	F
YOP LGHT YOG			
1 @ 20 FOR	9.00	0.45	F
YOP LGHT YOG			
1 @ 20 FOR	9.00	0.45	F
YOP LGHT YOG			
1 @ 20 FOR	9.00	0.45	F
YOP LGHT YOG			
1 @ 20 FOR	9.00	0.45	F
YOP LGHT YOG			
1 @ 20 FOR	9.00	0.45	F
BUTTER QUARTER		2.29	F
Order Total		27.00	
Sales Tax		0.10	
Grand Total		27.10	
WIC CVV	Payment	6.00	
Issue Date:	05/01/2009		
Exp. Date:	05/31/2009		
WIC CVV	Payment	7.00	
Issue Date:	05/01/2009		
Exp. Date:	05/31/2009		
Cash	Payment	20.00	
Change		5.90	

Your cashier was Mickey

05/12/2009 21:30 S1322 R109 3021 C0249

Thanks for shopping with Retalix.

All Print Options
enabled

Taxable Bucket Adjustments

WIC CVV items are food stamp eligible therefore tax is forgiven on WIC CVV items within any transaction. Tendered WIC CVV vouchers reduce Food Stamp Taxable amounts by the maximum allowable amount.

Assume a \$20.00 Food Stamp eligible sale has \$10.00 of WIC CVV eligible items. Items totaling \$5.00 are taxable, WIC CVV eligible and items totaling \$10 are Food Stampable, WIC CVV eligible. If an \$8.00 WIC CVV voucher is tendered:

- The CVV taxable amount is reduced by \$5.00 (the maximum allowable).
- The Food Stamp taxable total is reduced in parallel by \$5.00.

11446 – WIC Smart Card Support for CVV Benefits (FO/POS)

ISS45 now supports redeeming WIC CVV (Cash Value Vouchers) benefits on EBT WIC cards with embedded “smart-chips” (a.k.a. Smart Card WIC). These cards now carry “amount-based” WIC CVV benefits for fruits and vegetables (in addition to “Unit of Measure-based” WIC benefits). The EFT/Pin Pad device is used to read the card to get WIC CVV benefits information and update information on the chip as CVV items have been purchased.

Note:

Support for Texas Smart Card EBT WIC was first released in ISS45 version 8.1.2.1-050. See the ISS45 8.1.2.1-050 Release Notes for more information.

WIC CVV benefit redemption at the POS with EBT WIC Smart Cards is seamless with existing functionality noting the following differences:

- The WIC CVV benefit quantity displayed on the EBT WIC Beginning Balance Report, EBT WIC Ending Balance Report and the Redemption Report will be a dollar amount and not a unit of measure amount.
- A WIC CVV benefit Unit of Measure (i.e. \$\$\$) indicating dollars will be printed on the EBT WIC Beginning Balance Report, EBT WIC Ending Balance Report and the Redemption Report.
- The WIC CVV benefit subcategory (i.e. FRUITS &/OR VEGETABLES) from the card’s Benefit Prescription File will be printed on the EBT WIC Beginning Balance Report, EBT WIC Ending Balance Report and the Redemption Report.
- When a WIC CVV item is sold, the dollar amount sold (in cents) is the amount of benefit decremented from the EBT WIC Smart Card’s Benefit Prescription Record.
 - The “net price” of the redeemed WIC CVV item (less any discount) is the amount of benefit used.

Note:

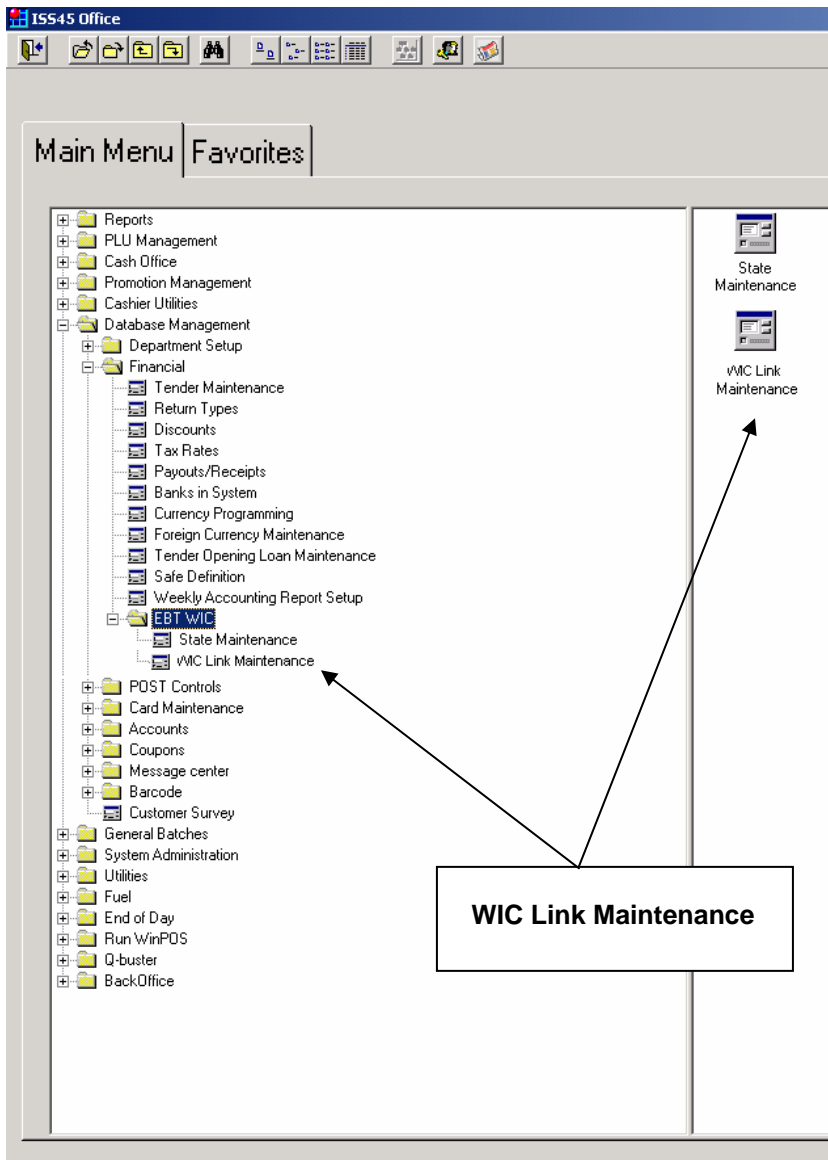
Similar to WIC “UOM-based” benefits, partial-item tendering with the Smart Card is prohibited with WIC CVV items. If there are not enough WIC CVV benefits on the card to fully purchase an item, no benefit redemption is permitted.

Front Office

New WIC Link Maintenance

Since the state's PLU codes for produce items included in the state APL (Authorized Produce List) file may not match the store's item file, the new WIC Link Maintenance program has been included in this release to populate the WIC item file on the POS with these items.

WIC Link Maintenance appears in the Database Management folder's EBT WIC folder (under the Financial sub-folder).



Once selected, the WIC Link Maintenance screen appears, displaying all previous mapped PLU records (by state) with the following columns:

- Postal Code
- Store PLU/UPC Number
- State APL PLU/UPC Number

WIC Link Maintenance

Exit Refresh New Edit Delete Print

Go to: In Number Ascending

Postal Code	Store PLU/UPC Number	State APL PLU/UPC Number
-------------	----------------------	--------------------------

Home Previous Next End Close

To map a store PLU to the state APL file:

- 1 Click the **New** button. The WIC Link Maintenance form displays:

WIC Link Maintenance

Postal Code:

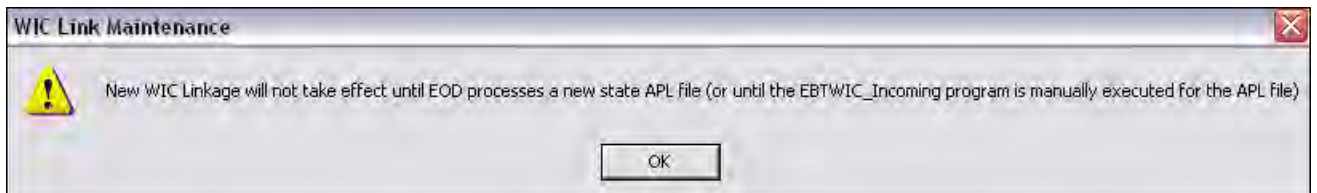
Store PLU/UPC Number: ...

State PLU/UPC Number:

Navigation: [Back] [Left] [Right] [Forward]

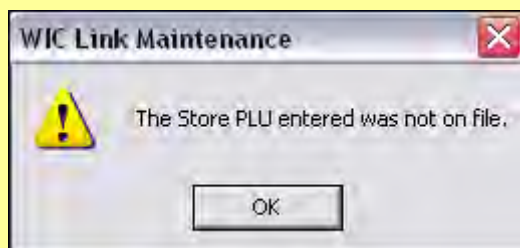
Buttons: [OK] [Cancel] [Apply]

- 2 Select the state code associated with the item (using the field selection arrow).
- 3 Key in the store PLU\UPC code for the item (or click the Ellipsis button to search for the item using the PLU Item Selector).
- 4 Key in the state PLU\UPC code for the item.
- 5 Click **OK** or **Apply** to link the items. The following message displays to remind the user that when the linkage will take effect after the next EOD (or until the EBTWIC_Incoming program is manually executed for the APL file):

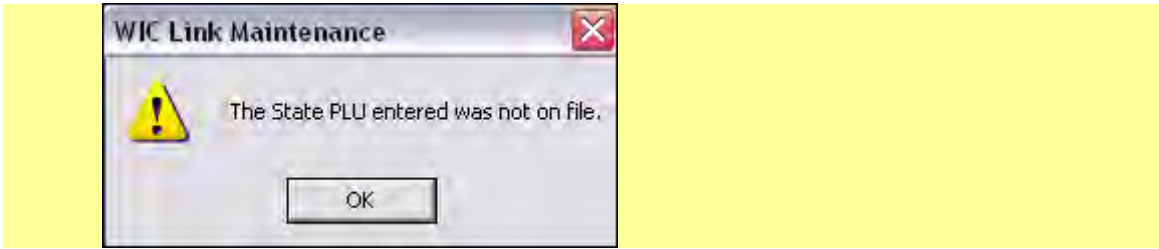


Note:

If the entered store PLU does not exist in item file but the entered state item does exist in the APL file, the following warning message displays:



If the entered store PLU does exist in item file but the entered state PLU does not exist in APL file, the following warning message displays:



16269 – Loyalty UOM Limitations (FO)

In conjunction with Retail Loyalty, ISS45 now supports limiting promotions to a specified Unit of Measure quantity. For example, a store can now offer the following Loyalty Promotions:

Discount Price

Bananas - \$0.25 per pound, limit to 5 pounds this month

Cents Off

Bananas - \$0.45 off per pound, limit to 5 pounds this week

Percent Off

Bananas – 25% off per pound, limit to 5 pounds this week

New Promotion Fields

The Settings2 Tab of both Loyalty Enhanced Promotion and Loyalty Group Promotion Screens contain two new fields:

Promotion ID:

Description: Suspended

General | Settings 1 | Settings 2 | Checkout Banks | Member Card Settings | Loyalty Server | Printing Settings | Custom Msgs

Limit Reward Value In Ticket :

Maximum spend on reward calculation :

Limit reward of UOM Volume to :

Minimum Required Value :

UOM Limit type:

Period UOM Limit:

Reward Apportionment
Algorithm:

Mark Down Department:

Mark Down Item:

Discount Allocation:

Calculate Reward C

Promotion Funding
Funding Method :

Funding Value :

Reward executed as:

Promotion Conflict
Conflict Level:

Engine determ
conflict participation:

UOM Limit type field

Period UOM Limit field

Field	Description
UOM Limit Type	This field contains the UOM type the promotion will be limited on: Gram, Kg, Oz, Liter, Gallon or Pound.
Period UOM Limit	This field contains the maximum UOM quantity the promotion will be limited to.

11557 – MTXEPS DLL Initialization during EOD (POS)

The POS initialization routine has been modified to perform a MTXEPS OpenEPS Sign-on and Sign-off function after an EOD. By allowing MTX_POS.DLL to be loaded into memory and initialized after EOD, downloaded MTXEPS terminal updates can be processed before a cashier logs in to start the day.

In previous releases if this log in did not occur until the morning, the cashier was unable to use the lane until the EFT terminal update was finished processing.

11569 – New Fuel Voucher Functionality (FO/POS)

POS terminal functionality has been modified in this release to allow “cents off per gallon” fuel vouchers to be scanned (or-key entered) and validated for:

- “Pay Inside” transactions.
- “Pre Pay” transactions when a voucher is accepted before pumping.
- “Pre Pay” transactions when a voucher is accepted after pumping.

Note:

In previous releases, fuel vouchers were only redeemable at the pump by scanning or key-entering the barcode. At the POS, the cashier could optionally enter a Coupon Required number to trigger the fuel promotion. However, the voucher was not flagged as used and it could be used again at the pump before the voucher expiration date was reached

Pre Pay Transaction with Voucher before Fueling

The following steps follow support for entering a fuel voucher before fueling:

- Cashier begins a Pre Pay transaction and tenders a dollar amount to a selected pump
- Items may be added in addition to the fuel purchase.
- The cashier scans the voucher barcode.
- The POS checks the voucher database.
- The POS checks to see if a fuel item exists in a valid promotion identified by the promotion number linked to the voucher.
- If the voucher is valid and the promotion has not expired, the transaction is tendered, the pump is authorized to dispense fuel at a new “cents off per gallon” price and the receipt is printed.
- The customer returns to the pump and selects the grade. (The price is rolled backed).
- After dispensing and fueling has completed, the voucher is marked as “Redeemed” in the fuel voucher database.

- If pre-paid fuel is not fully dispensed, cash back is due the customer. If the customer drives off, the transaction is completed. If the customer re-enters the store and the Recall Pre Pay function is executed.
- The original ticket details are displayed.
- The customer may optionally add items.
- The transaction is re-totaled, tendered and a new receipt is printed.
- Cash back may be due the customer.

Pre Pay Transaction with Voucher after Fueling

The following steps follow support for entering a fuel voucher after fueling:

- Cashier begins a Pre Pay transaction and tenders a dollar amount to selected pump.
- Items may be added in addition to the fuel purchase.
- The transaction is tendered, the pump is authorized to dispense fuel at a non-discounted price and the receipt is printed.
- The customer returns to the pump, selects the grade and dispenses fuel.
- After dispensing the customer re-enters the store and the cashier executes the Recall Pre Pay function.
- The original ticket details are displayed.
- The cashier scans the voucher barcode.
- The POS checks the voucher database.
- If the voucher is valid and the promotion has not expired, the ticket total is recalculated based on the new “cents off per gallon” price.
- The customer optionally adds items.
- The transaction is re-totaled, tendered and a receipt is printed.
- The voucher is marked as “Redeemed” in the fuel voucher database.
- Cash back may be due the customer.

Pay Inside Transaction with Voucher

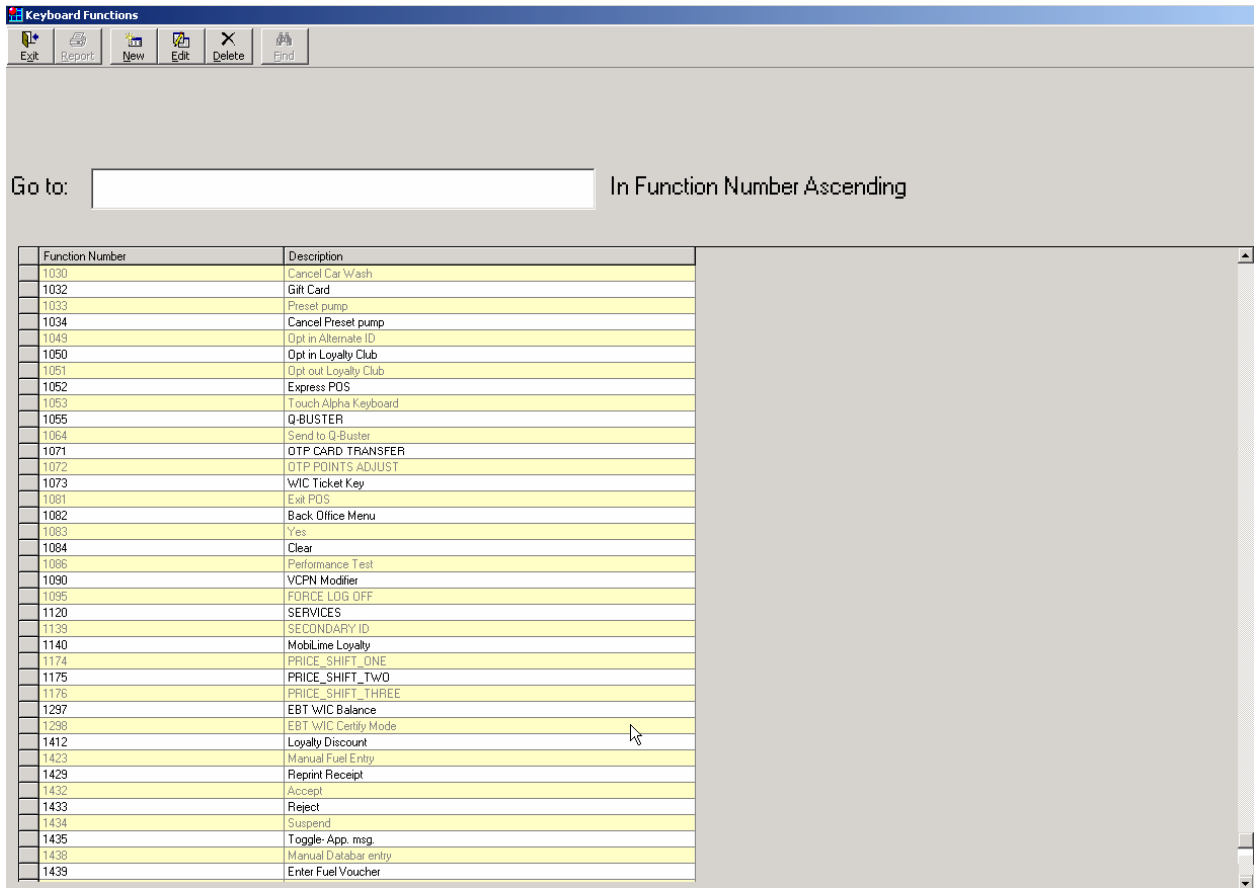
The following steps follow support for paying inside with a fuel voucher after fueling:

- Customer initiates a Pay Inside at the pump.
- If configured, the customer waits for cashier authorization.
- Customer dispenses fuel and goes inside to pay.
- Cashier selects the pump key, converting the transaction into an open ticket.
- The cashier scans the voucher barcode.
- The POS checks the voucher database.
- If the coupon is expired, previously used or does not exist, issue the “Coupon Invalid” warning. When cleared, return to Sale Mode.
- If the voucher is valid and the promotion has not expired, the ticket total is recalculated based on the new “cents off per gallon” price.
- The customer may optionally add items.
- The transaction is re-totaled, tendered and a new receipt is printed.
- The voucher is marked as “Redeemed” in the fuel voucher database.

Front Office

New Keyboard Function

To support scanning a fuel voucher barcode or key-entering a voucher number, the new “Enter Fuel Voucher” Keyboard Function has been added as Keyboard Function 1439.



Function Number	Description
1030	Cancel Car Wash
1032	Gift Card
1033	Presel pump
1034	Cancel Preset pump
1049	Opt in Alternate ID
1050	Opt in Loyalty Club
1051	Opt out Loyalty Club
1052	Express POS
1053	Touch Alpha Keyboard
1055	Q-BUSTER
1064	Send to Q-Buster
1071	OTP CARD TRANSFER
1072	OTP POINTS ADJUST
1073	WIC Ticket Key
1081	Exit POS
1082	Back Office Menu
1083	Yes
1084	Clear
1086	Performance Test
1090	VCPN Modifier
1095	FORCE LOG OFF
1120	SERVICES
1139	SECONDARY ID
1140	MoblLine Loyalty
1174	PRICE_SHIFT_ONE
1175	PRICE_SHIFT_TWO
1176	PRICE_SHIFT_THREE
1297	EBT WIC Balance
1298	EBT WIC Certify Mode
1412	Loyalty Discount
1423	Manual Fuel Entry
1429	Reprint Receipt
1432	Accept
1433	Reject
1434	Suspend
1435	Toggle-App. msg
1438	Manual Databar entry
1439	Enter Fuel Voucher

The new “Enter Fuel Voucher” Keyboard Function will need to be defined in the Menusys.mac file for Sale Mode on each POS that processes fuel transactions. It will also need to be added to Menusys.mac within the Prepay Purchase and Recall Prepay States for those terminals.

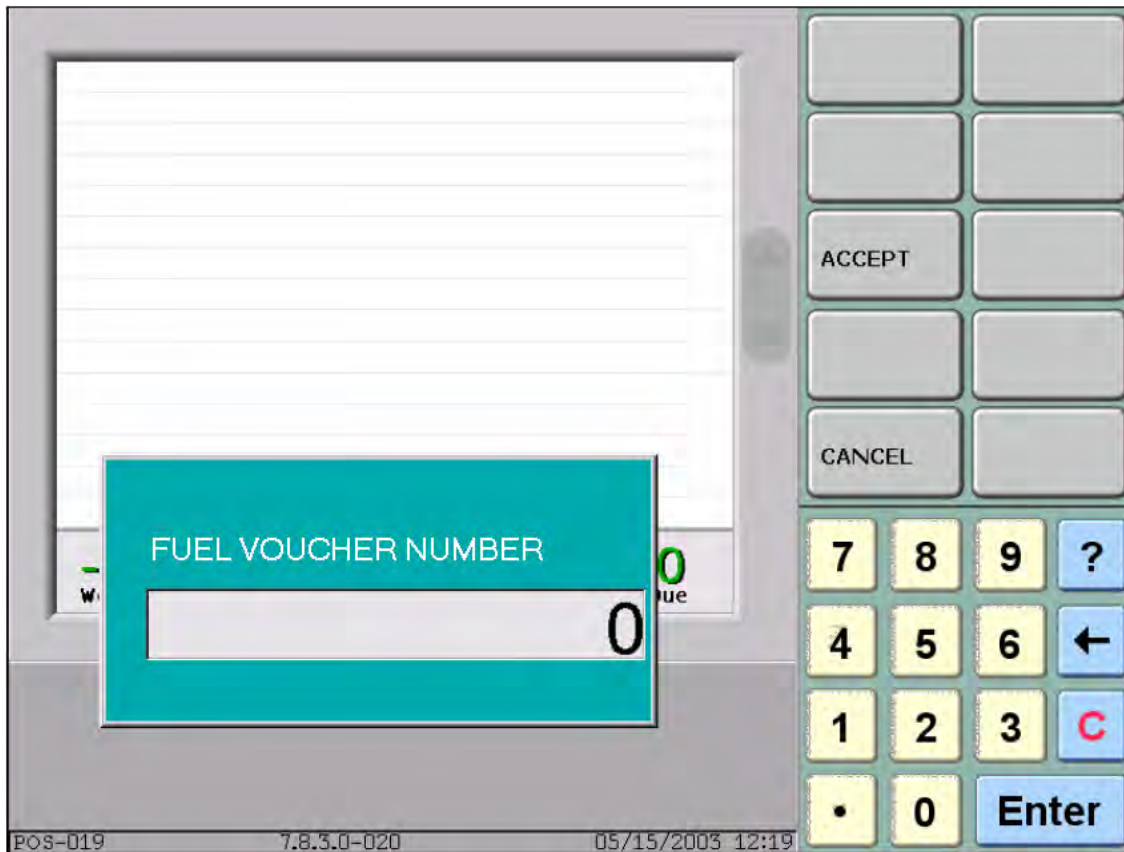
Note:

Please see the **ISS45 v8 Fuel Option Promotion and Loyalty Setup for 8.1.2.0-050 / Fuel 10.16** document for more information in setting up fuel promotions.

POS

The POS now supports the “Enter Fuel Voucher” Keyboard Function in Sale Mode State (10), Prepay Purchase State (27) and the Recall Prepay State (28).

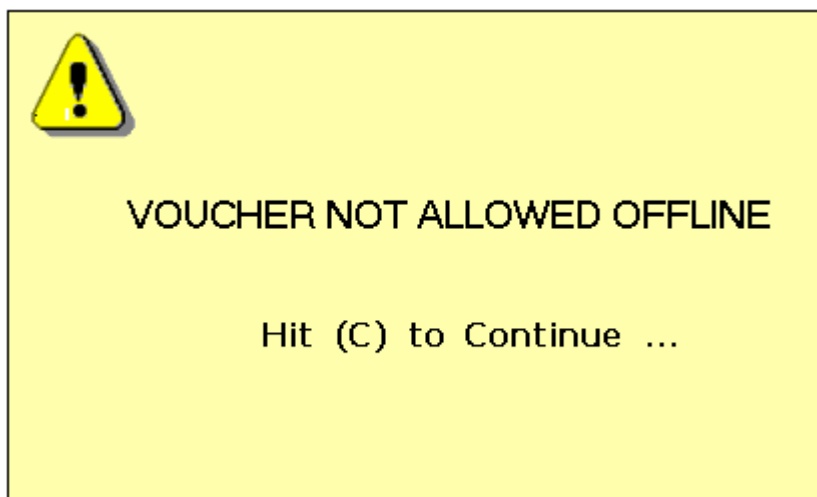
When the function is executed, the scanner is enabled and the cashier is prompted for a voucher number:



The voucher can be scanned or optionally the voucher number can be key-entered (omitting leading zeros) and the Accept button pressed.

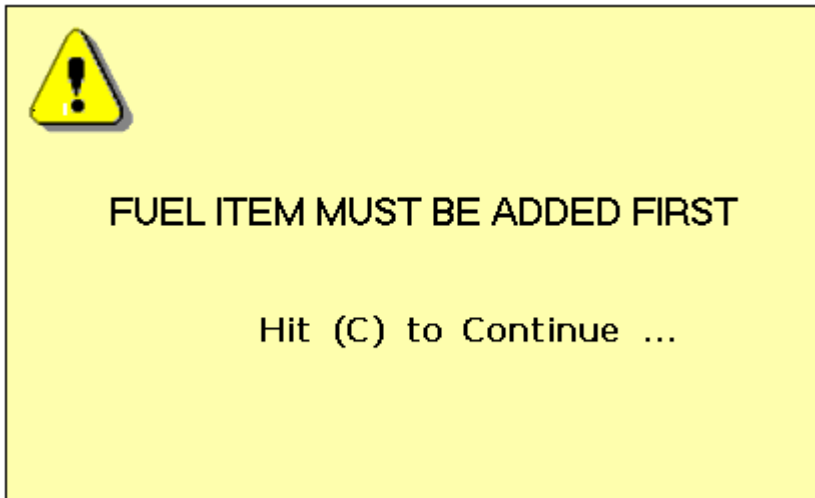
New POS Warning Messages

If the "Enter Fuel Voucher" function is called and the POS is offline from the MFS, the following warning message displays:



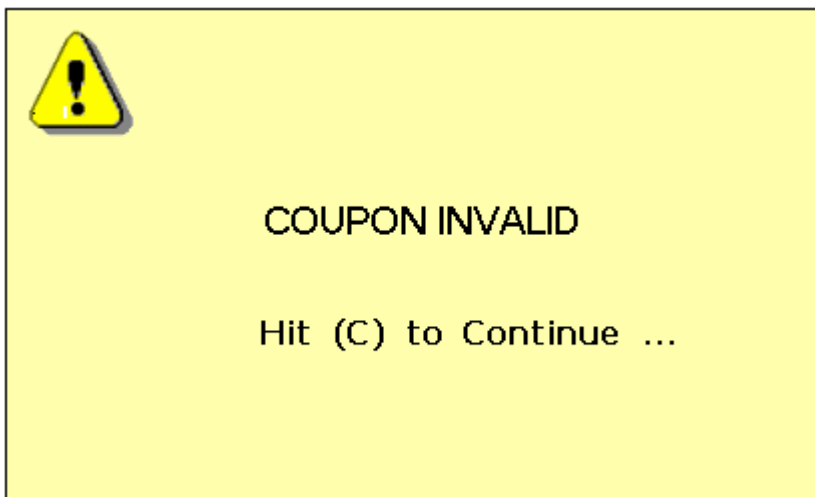
When cleared, the POS is returned to its previous state and no fuel pricing adjustments are issued.

If the “Enter Fuel Voucher” function is executed and a fuel item or fuel department does not exist in the transaction, the following warning message displays:



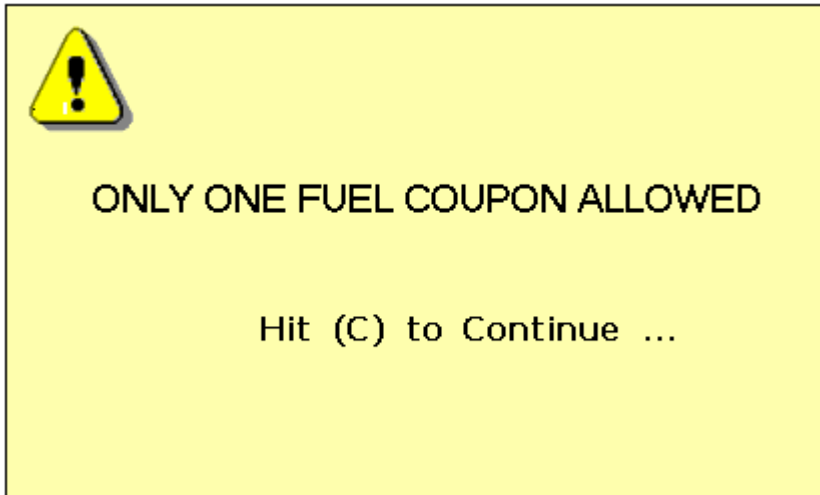
When cleared, the POS is returned to Sale Mode and the voucher is not processed.

If the “Enter Fuel Voucher” function is executed and the voucher does not exist in the fuel voucher database, has been previously redeemed or expired, the following warning message displays:



When cleared, the POS is returned to its previous state and no fuel pricing adjustments are issued.

If the “Enter Fuel Voucher” function is called and in a ticket that has already accepted a valid coupon, the following warning message displays:



When cleared, the POS is returned to its previous state and no fuel pricing adjustments are issued.

11625 – Fuel Rewards Messaging Changes (Fuel)

To help support a retailer's marketing program, registry settings have been added in this release for maintaining fuel voucher messaging text. In previous release, the message text was held in the CL2PumpSrv module and could not be edited.

Note:

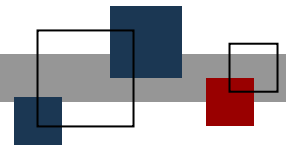
The customer is prompted after they swipe their credit card if they have a voucher. Depending on the pump hardware configuration, if they answer "Yes" they are prompted to "Scan Bar Code" or "Key in Voucher # and Press Enter". If the registry entry is empty, then the hard coded message will be used by default.

11656 – Faster Secondary Lookups (Sys)

A new QDX file (t_secid.qdx) has been added in this release that maintains a customer's secondary ID as an indexed field. This will decrease the amount of time required to locate a customer record based on the secondary ID provided.

Note:

The customer ID in the t_secid.qdx record is used to perform a lookup in t_cust.qdx. The result of the customer lookup is acted upon by the POS as it does for a normal customer lookup.



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