






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

-  *Release Notes & What's New*
-  *ISS45 8.1.5.2-050*
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ISS45 Release Notes & What's New

Date of Issue	Product ID Num.	Part Number	Brief Description
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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 8.1.5.2-050 software.

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.

New Features

12732 – Store MTXEPS Receipt Copy Suppression (FO/POS)

A new General System Parameter found in the release gives the retailer the option to suppress printing the store copy of the EFT receipt for non signature-required transactions when MTXEPS receipt printing is used. In previous ISS45 releases, if the General System Parameter “Use MTX Receipt Data” parameter was enabled, the POS printed the drawer copy (signature slip) sent by MTXEPS for all electronic tenders.

Note:

The store copy of the receipt will continue to write to the Electronic Journal regardless of whether the store copy is printed.

Front Office

New Parameter

As part of this feature a new parameter has been established. The following General System Parameter is located in the Store \ POST \ MTX EFT folder.

Parameter	Explanation
Suppress store copy receipt for Non-Signature MTX	When this parameter is set to Yes, the system will suppress printing MTX receipts on EFT transactions where no customer signature is required.

Note:

The General System Parameter “Use MTX Receipt Data” (located in the Store \ POST \ MTX EFT folder) determines if MTXEPS receipts are used.

POS

After a cashier tenders and EFT transaction and approval is received, the POS checks to see if both the “Use MTX Receipt Data” and “Suppress store copy of MTX receipt for no signature required” parameters are

enabled. If both are enabled and a signature is not required for the transaction, the POS does not print the buffered drawer copy of the signature slip.

12741 – Online WIC EBT Support (FO/POS/Sys)

Online WIC EBT (a.k.a. “eWIC”) is replacing both traditional paper-based WIC tenders and Smart Card WIC EBT in several states. Similar to other PIN-based EFT tenders, Online WIC EBT cards (issued from multiple WIC agencies) are now supported in this release.

ISS45 Online WIC EBT uses MTXEPS ServerEPS to query an online database that has the customer’s latest WIC prescription information. This allows retailers to receive real time approval for claims (eliminating paper processing) making WIC transactions more seamless at the POS.

Included in this development is a mechanism for retailers to implement Least Expensive Brand (LEBs) - store brands that are approved by the state WIC agency and included in the Approved Product List (APL).

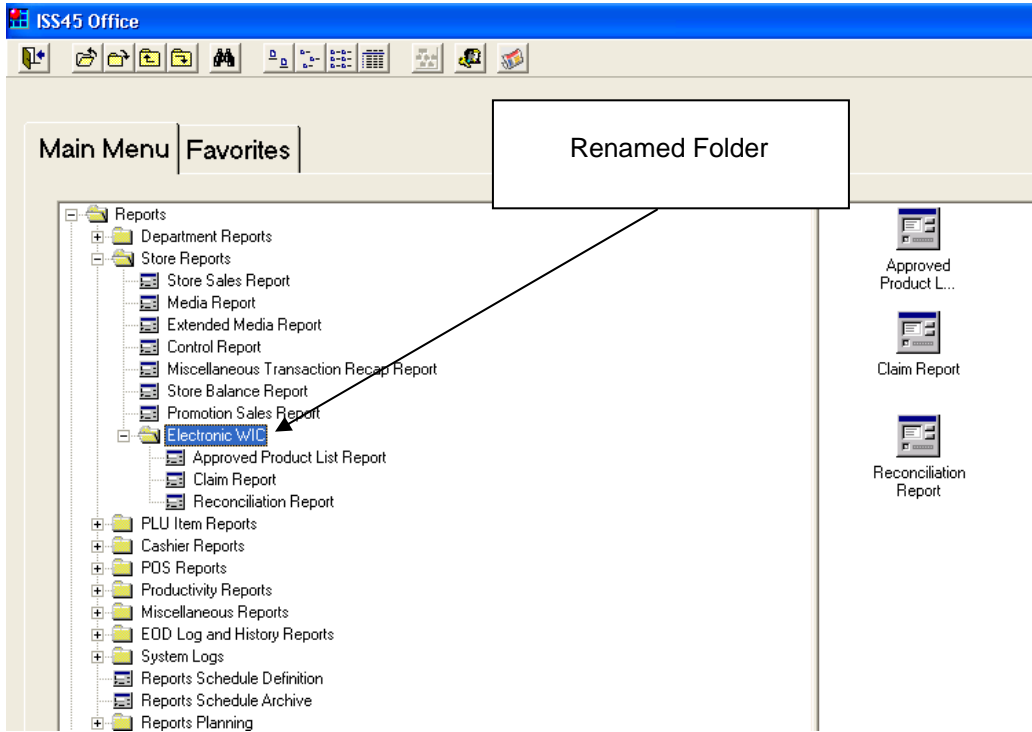
Note:

Online WIC EBT is not controlled by the HASP plug (as Smart Card WIC EBT is using Software Flag ID #4).

Front Office

Renamed Folders

Since one application is now used to configure states for either Online WIC EBT or Smart Card WIC EBT, the EBT WIC subfolder (in the Financial Folder in Database Management) has been renamed to Electronic WIC.



New State Maintenance Fields

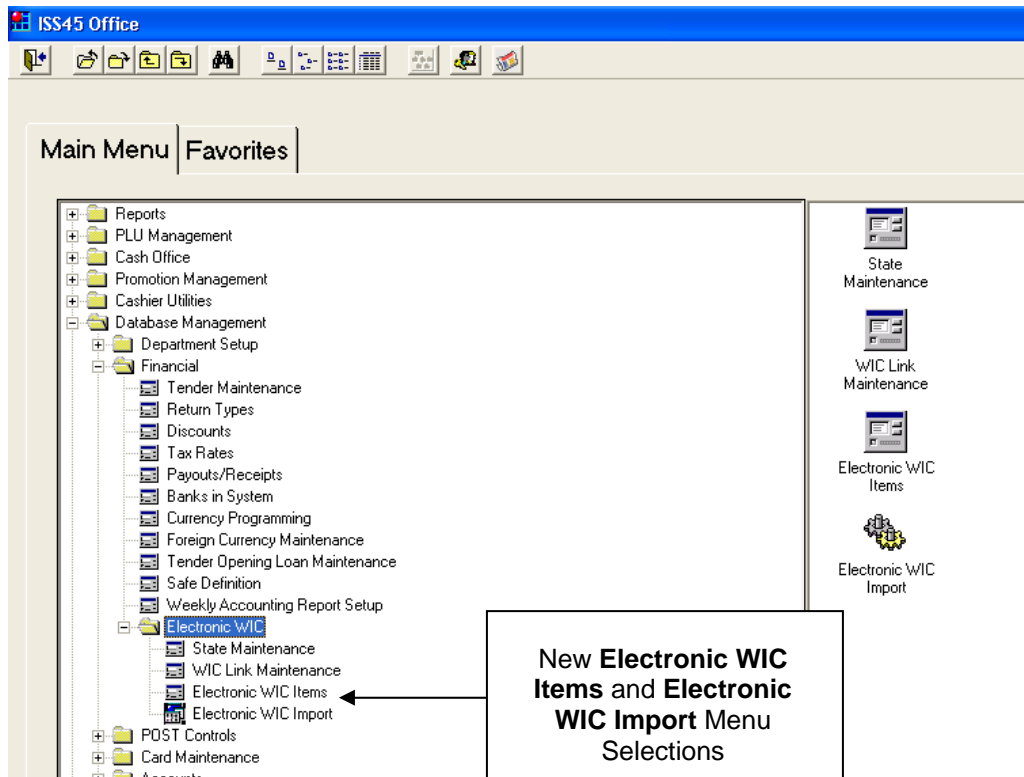
Two Online WIC EBT-related fields have been added to the Electronic WIC State Maintenance application in this release:

Field	Description
Electronic WIC Type	Click the field selection arrow and select whether the state supports EBT WIC or eWIC .
Display Eligible Benefits Only	For states defined as eWIC , check this box to exclude zero benefit balances from printing on the Beginning and Ending Benefits Balance Reports.

Note:

Indian Tribal Organizations (with alphanumeric Postal Codes) have been added to Electronic WIC State Maintenance in this release.

The Electronic WIC Type setting also displays in the Electronic State Maintenance Multi Form Grid:



- **To view and maintain state WIC Items:**
- 1 Open the Electronic WIC folder and click Electronic WIC Items. The Electronic WIC Items Maintenance Screen displays all previously imported APL items:

State	Item ID	Description	Category	SubCategory	Broadband	Enable WIC Sale
TEXAS	111	Pineapple	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3127	Pineapple smother	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111090571	Whipped Milk 1/2 Gal	1	1	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111091470	2% Milk 1/4 Gal	1	4	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111091550	1/2 Milk 1/4 Gal	1	3	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111042312	Skim Milk 1/4 Gal	1	4	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111090208	Mudpie Large 1 Lb	2	12	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111090732	Cheese	2	12	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111090731	Cheesecake	2	12	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111060902	Eggs	3	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111060901	Lunch Egg 1 Dozen	3	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111061048	Peanut Butter	6	2	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111061049	Peanut Butter	6	3	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111090779	Sliced Cantos	7	4	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	1111094781	Pasta Sauce	4	1	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	2100060838	Cheesecake	2	12	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	333800007	Pine Del Apples 3 Lb	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3338000003	Garden Del. Apples 3 Lb	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3338000002	Garden South Apples 3 Lb	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3338011002	Orange NVL 84 Adv	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	333800007	Shaw-Brosens 1 Lb	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	333805505	Grape Tomatoes 1 Pnt	19	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	4127044781	Large Eggs 1 Dozen	3	0	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3008703901	Can Formula	11	32	<input type="checkbox"/>	<input type="checkbox"/>
TEXAS	3008703902	Case Formula (BCDWT)	11	32	<input type="checkbox"/>	<input type="checkbox"/>
KENTUCKY	3008703921	Case Formula (BCDNT)	11	4	<input type="checkbox"/>	<input type="checkbox"/>
KENTUCKY	4127044781	Large Eggs 1 Dozen	3	0	<input type="checkbox"/>	<input type="checkbox"/>
KENTUCKY	3008703901	Can Formula	11	4	<input type="checkbox"/>	<input type="checkbox"/>

The Electronic WIC Items Maintenance screen displays the following fields for items that exist in both the store item file and the state APL file:

Note:

Columns can be sorted (ascending or descending) by clicking on the Column Heading. Only the "Enable WIC Sale" flag is editable.

Field	Description
State	The state or tribal organization associated with the WIC Item.
Item ID	The UPC/PLU as it appears in the host file.
Description	The PLU Description from the store's item file.
Category	The state category number.
Subcategory	The state subcategory number.
Broadband	A check in this field indicates a broadband category.
Enable WIC Sale	A check in this field indicates the item is active for tendering with an Electronic WIC Tender.

Note:

When a retailer implements a Least Expensive Brand (LEB) item, the store must disable this flag for all competing brands.

Note:

The “Allow Payment by WIC” and “Allow Payment by WIC CVV” flags in PLU Maintenance (Parameters 1 Tab) are no longer used for Electronic WIC purposes. The “Enable WIC Sale” flag determines eligibility for Electronic WIC tendering.

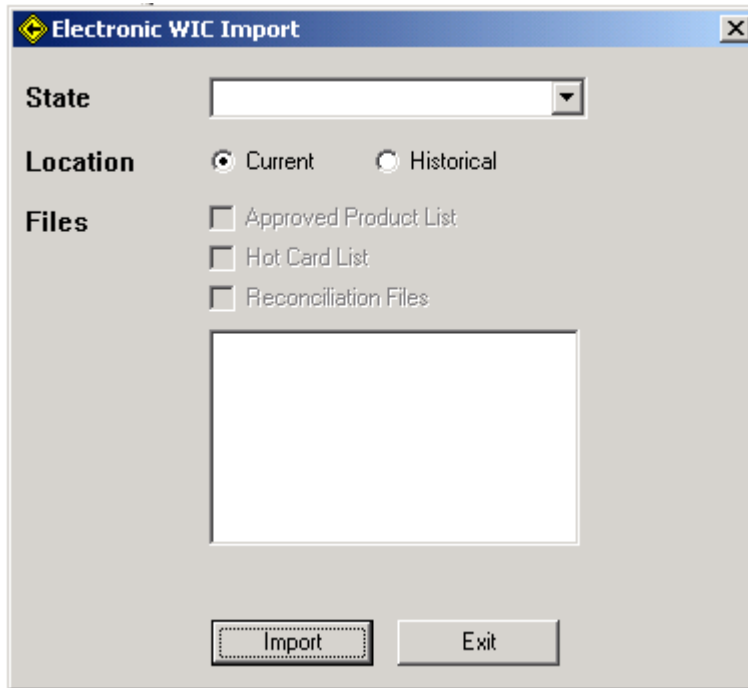
- (Optional) To filter the list, click the **Filter By** field selection arrow and choose to sort by State, Item ID, Description, Category, Subcategory or Enable WIC Sale Flag and enter the filter data. When finished, click **Apply Filter**. The results will display according to the following rules:

Filter By	Matching Result
State	Partial text matches
Item ID	Exact number matches
Description	Partial text matches
Category	Exact number matches
Subcategory	Exact number matches
Enable WIC Sale	“True” or “False” matches

- To locate an item to view or edit, click on the Item ID Column first and enter the item’s PLU Number in the **Go To:** field (or use the Page Up \ Page Down buttons to scroll through the list).
- Click (check) the **Enable WIC Sale** flag to activate the state item for tendering with Electronic WIC (or uncheck the flag to deactivate the item).
- When finished, click *Apply* to save (and *Yes* at the “Are you sure?” prompt).
- Click *Cancel* to return to ISS45 Office Main Menu.

Electronic WIC Importing through ISS45 Menus

In previous ISS45 releases, Smart Card WIC EBT Files were manually processed using the EBTWIC_Incoming.exe application (located in the C:\Program Files \ POSware \ Office \ Components \ EXE \ folder). The application is now accessible through the ISS45 Electronic WIC Import menus and is used for manually processing APL files (for both Online WIC EBT and Smart Card WIC EBT) as well as Hot Card List (HCL), Reconciliation and Error files (for Smart Card WIC EBT).

**Note:**

It continues to be the responsibility of the store to acquire the APL (Approved Product List) files from state WIC agencies and place them in the appropriate folder (C:\Program Files\POSware\Office\EBT_WIC\State Name). An APL file placed here by the store will be processed during EOD.

Note:

File processing events and errors will continue to write to the SWVERIFY.LOG file.

Note:

The APL import accepts both x9.93-2 and x9.93-4 file formats.

New Import Logic

If a state is configured with an Electronic WIC Type of “eWIC” (in Electronic WIC State Maintenance), only the APL file is imported. If state is set for “EBT WIC”, the import will import will continue to process the selected APL, HCL (Hot Card List) and Reconciliation files.

In addition, the APL Import no longer replaces the EBT_WIC_APL and EBT_WIC_CTGR SQL tables (and related WICITEMS.QDX and WICCAT.QDX files) each time the import is performed. The following replace logic is now executed:

- If an item is removed from the APL list, it will be removed from the EBT_WIC_APL table at time of import.

Note:

When an item is removed from the APL, the Enable WIC Sale link for that item and state is also deleted in the CROSS.QDX file.

- If an item is changed in the APL, the record will be updated in the EBT_WIC_APL table at time of import.
- If an item is inserted in the APL, the record will be added to the EBT_WIC_APL table at time of import.
- If the EBT_WIC_APL and EBT_WIC_CTGR tables (and subsequently the WICITEMS.QDX and WICCAT.QDX files) are empty, the files will load the complete APL.

New Online WIC EBT Tender Type

Online WIC EBT has been added as a selection in the “Type Tender” field within Tender Maintenance.

The screenshot shows the 'Tender Maintenance' application window. At the top, there are input fields for 'Tender Number' (containing '16') and 'Name' (containing 'EWIC'). Below these are tabs for 'POST Report', 'EPS - EFT', 'Tender Setup', 'Values and C/Cs', 'General Parameters', and 'Specific'. The 'Tender Setup' tab is active, and a callout box labeled 'New eWIC Tender Type' points to the 'Tender Type' dropdown menu. The dropdown menu is open, showing a list of options: 'eWIC', 'Coupons', 'General Tender', 'EBT Food stamps', 'EBT Cash', 'Customer account purchase', 'Customer account payment', 'WIC CVV', and 'eWIC'. The 'eWIC' option at the bottom is selected. Below the dropdown are fields for 'General Control Checks', 'Daily Value', 'Repeat Tender', and 'Repeat Card No.'.

When configuring the Online WIC EBT Tender, set the fields below as follows:

Tender Type: **eWIC** (Tender Maintenance Tender Setup Tab)

Account Prompt: **SWIPE WIC CARD** (Tender Maintenance Specific 1 Tab)

EFT Description: **EWIC** (Tender Maintenance EPS-EFT Tab)

Use ECA on this media: **Checked** (Tender Maintenance EPS-EFT Tab)

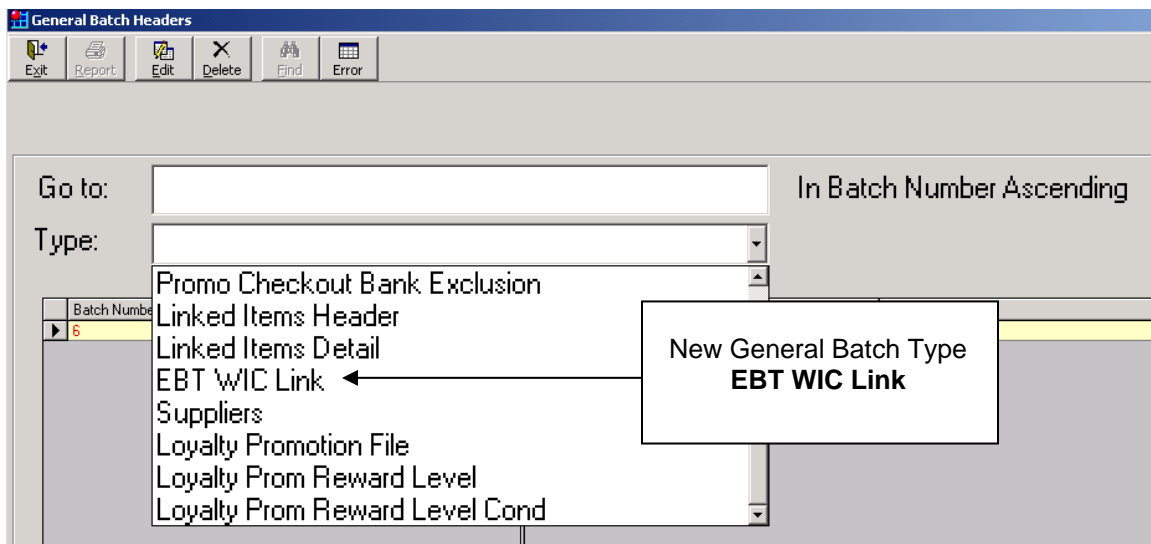
Account Number required: **Entered by customer** (Tender Maintenance Specific 1 Tab)

New EOD Logic

If a state is configured with an Electronic WIC Type of “eWIC” (in Electronic WIC State Maintenance), no State Claim File is generated and no State Reconciliation File is processed during EOD processing.

New General Batch Type

In ISS45 sites that are hosted using General Batches, a new Batch Type is supported in this release for Electronic WIC Items: **EBT WIC Link**.



Note:

The File Type for Electronic WIC Item batches is “201”. Batches follow the General Batch naming convention BX#####.dat (where the first three ### are the batch type and the last three ### is the batch number, Ex: BX201123.dat).

In the Record Header, “INSERT” or “UPDATE” will set the “Enable WIC Sale” Flag. “DELETE” will uncheck the “Enable WIC Sale” Flag.

Certified Promotions for Online WIC EBT Tendering

The following promotion types have been requested by WIC Agencies. ISS45 promotions configured as detailed below are certified for awarding in a ticket tendered with Online WIC EBT:

Transaction Discount Promotion

Enhanced Member Promotions

- Group Type: **Units**
- Reward Type: Percent Off Order

Item Discount Promotion

Enhanced Member Promotions

- Group Type: **Units**
- Reward Type: **Cash**
- Threshold \ 2nd Threshold: **1 \ 1**

Buy One, Get Reduced (BOGR)

Enhanced Member Promotions

- Group Type: **Units**
- Reward Type: **Cash**
- Threshold \ 2nd Threshold: **2 \ 2**

Note:

The Cash Value rewards for Enhanced Promotions must be lower than the price of the item.

Buy One, Get One (BOGO)

Offers Promotions

- Group Type: **Units**
- Reward Type: **Free Item**
- Threshold \ 2nd Threshold: **2 \ 2**

Note:

It is not recommended to:

- Attach both Electronic WIC and non-Electronic WIC items to the same promotion.
- Attach both taxable and non-taxable Electronic WIC items to the same promotion.
- Have more than one promotion active for an Electronic WIC item at a time.

Coupon Handling

Vendor coupons are permitted on Electronic WIC items. However the POS will not allow Online WIC EBT to be tendered if a coupon applied to an Electronic WIC item reduces the order balance to zero.

Note:

This is to prevent a situation where a prescription benefit is used in a \$0.00 ticket.

POS

POS Online WIC EBT Tendering

The POS now supports Online WIC EBT tendering using the following steps:

1. Cashier adds items to ticket on the POS.
2. Transaction is totaled.
3. Cashier selects the Online WIC EBT tender or Generic EFT Keyboard Function Code 840 (and customer selects tender from Pin Pad).

Note:

Online WIC EBT must be the first tender key pressed if multiple tenders are used.

4. POS follows transaction flow for Pre-Authorization based on the First Action and TAC Sequence defined in MTXEPS ServerEPS.

Note:

MTXEPS ServerEPS treats Online WIC EBT as a PIN-based EFT Tender (similar to Debit Cards). The Manual TAC Sequence for Online WIC EBT and required PIN entry must be configured in ServerEPS.

5. POS sends Pre-Authorization to Host.
6. The Online WIC EBT Account is authenticated at the Host.
7. Host responds with Online WIC EBT data.

Note:

The response returned from the MTX_POS_GET_eWICRx call is written to the wpeft.log file.

8. POS reads prescription data and finalizes Pre-Authorization.
9. POS determines Online WIC EBT eligibility for items in transaction.

Note:

ISS45 employs “progressive redemption” logic for Electronic WIC items. If insufficient benefits (or no benefits) are available within the item’s specific subcategory, ISS45 checks benefits in the broadband subcategory.

- If sufficient benefits exist by combining subcategories, the redemption is split across subcategories (using the specific subcategory first).
- If no benefits exist in the item’s specific subcategory, benefits are redeemed against the broadband subcategory.
- If insufficient benefits exist by combining both specific and broadband subcategories, the item is deemed ineligible.

Note:

If there are insufficient remaining benefits on the Online WIC EBT card to fully tender Cash Value Benefit items (a.k.a. fruit and vegetables benefits), the redemption is split between Online WIC EBT and an additional (non-Online WIC EBT) tender.

Note:

Similar to EBT WIC, for determining Online WIC EBT benefit redemption:

- Order level promotions are apportioned between Electronic WIC and non-Electronic WIC items.
- Free items cannot be used for prescription benefits.
- Reduced item prices are used for claims (not the full item price).

Note:

Prescription benefit details are written to the WinPOS.log file.

10. POS prints Beginning Balance Report to receipt (using the “Display Eligible Benefits Only” setting for the state) listing the quantity of units eligible to be redeemed, the unit of measure and the description of the subcategory.
11. POS prints Benefits Redemption Report to receipt listing eligible WIC items.

Note:

If an item is redeemed from the specific and broadband subcategories, the item displays on two separate redemption lines. The quantity of units will indicate what portion of the unit came from each subcategory.

12. POS initiates a Pre-Authorization Completion. POS follows transaction flow for Pre-Authorization Completion based on the First Action and TAC Sequence defined in MTXEPS. If the “Customer OK Amount” TAC is configured, the customer is prompted if the amount is OK.
13. If the amount is approved, the POS sends updated prescription data to Host.

Note:

If the amount is not approved, the POS returns to Tender Mode. The cashier may modify the order at this time and re-tender.

Note:

Data (with updated prescription data) sent with the MTX_POS_SET_eWICRx function call is written to the wpeft.log file.

Note:

Rejection responses from the host pertaining to the price of the item being higher than the amount of state reimbursement benefit are ignored. The store will lose money on these items (as detailed by the reconciliation report received by the state at the end of the month).

14. Host responds with approval and final prescription data.
15. Online WIC EBT data are written to the TLOG using a new Online WIC EBT Information Transaction (0x70 0xF3). See the Technical Reference Appendix on page 51).
16. The cashier may accept other tenders to complete the transaction (for mixed baskets and/or insufficient prescription benefits).
17. The POS prints the sales receipt, Beginning Balance Report, Benefits Redemption Report and Ending Balance Report.

Note:

The Ending Balance Report will print "No Benefits Available" if all benefits are used in the transaction and the "Display Eligible Benefits Only" setting for the state is enabled.

Online WIC EBT Balance Inquiry Support

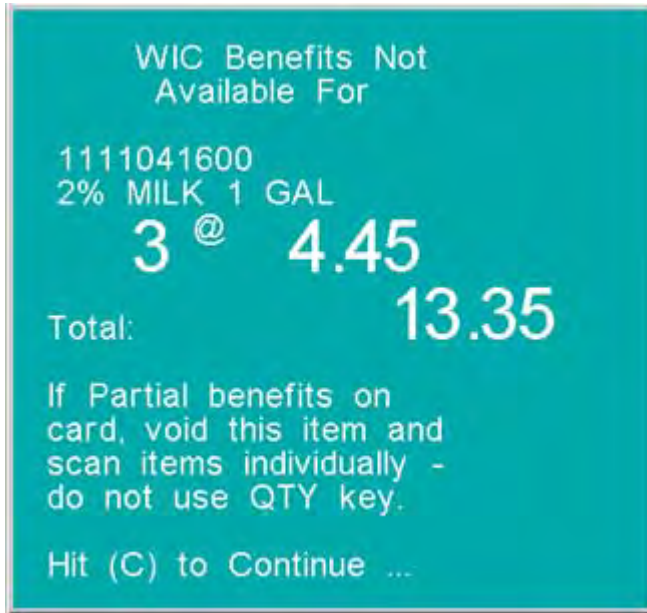
Keyboard Function Code 842 (EBT Balance Inquiry) can be used to provide a customer a printout of their available prescription benefits. The POS follows transaction flow for Pre-Authorization based on the First Action and TAC Sequence defined in MTXEPS ServerEPS. After the Online WIC EBT Account is authenticated with the host and the POS approves the state, it builds the benefits list and prints the Beginning Balance Report to the customer receipt.

New POS Messages

The new warning and error messages shown below may appear during an Online WIC EBT transaction under their accompanying scenarios.

- If the Quantity key is used on an Electronic WIC item and there are insufficient benefits available, the items will be treated as non-

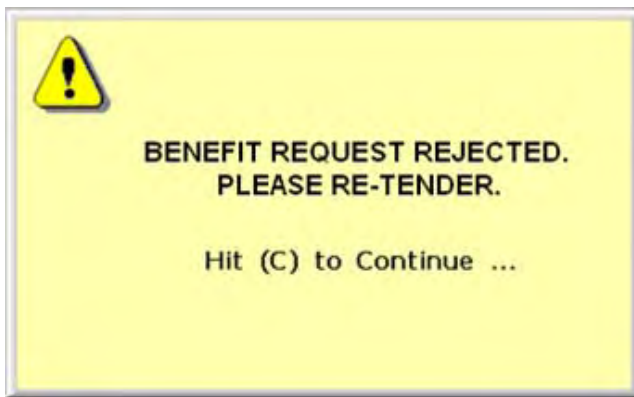
Electronic WIC and a warning message similar to the one below displays:



Note:

The cashier will need to void the items added to the ticket using the quantity key and sell the items individually.

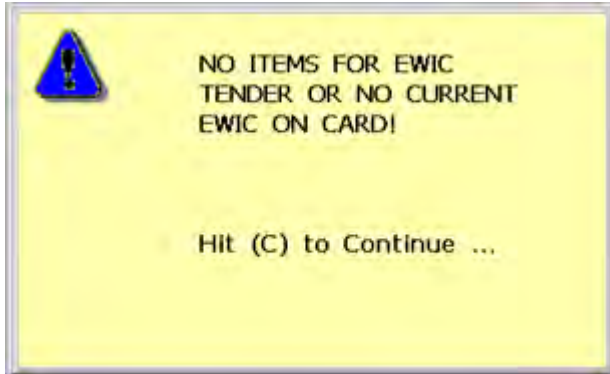
- If the Host denies the claim after an approval is sent, the following warning message displays and the POS returns to Tender Mode:



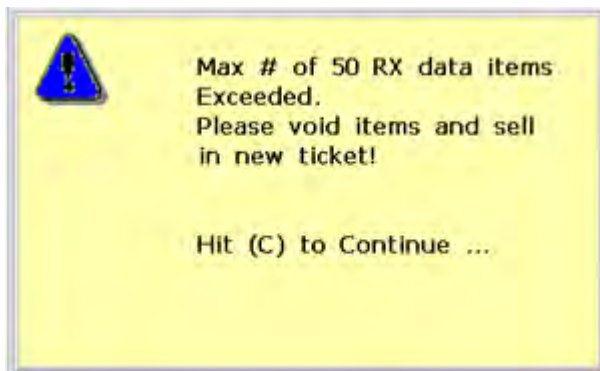
- If the "Customer OK Amount" TAC is configured and the customer chooses not to use Online WIC EBT in the ticket, the following message displays to the cashier.



- If Online WIC EBT is attempted to be tendered and there are no benefits available or there are no items within the ticket flagged to “Enable WIC Sale” (from Electronic WIC Items Maintenance), the following warning message displays:



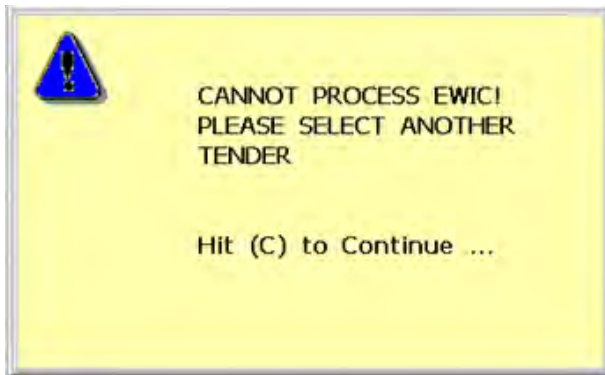
- If more than 50 prescription benefit item are present in a ticket being tendered with Online WIC EBT, the following message displays to the cashier:



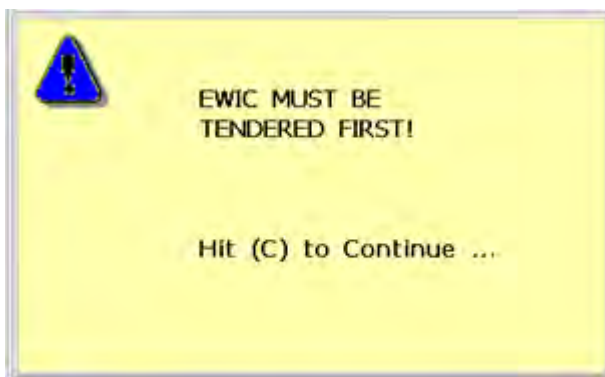
Note:

The cashier will need to void the excess items, tender the ticket and then ring the extra items separately into a second ticket.

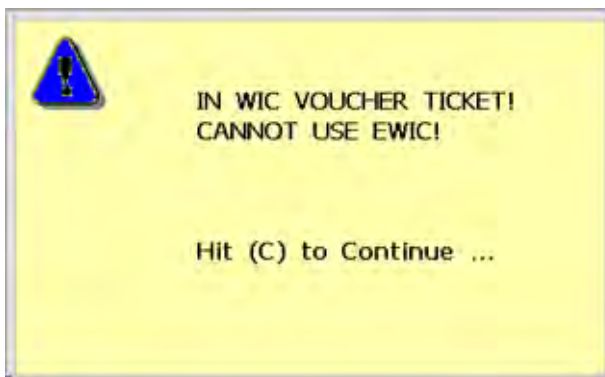
- If a vendor coupon applied to an Electronic WIC item reduces the ticket balance to zero, the POS will not allow Online WIC EBT to be tendered and the following warning message displays:



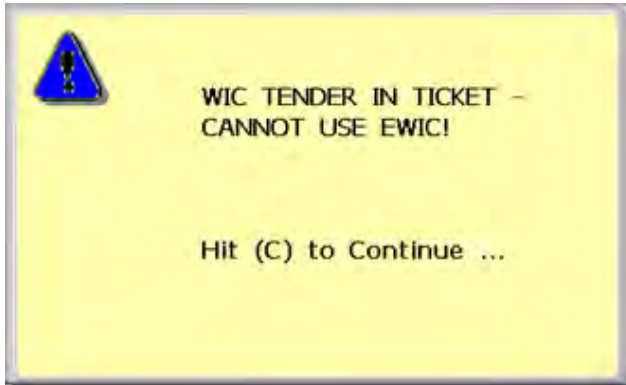
- If Online WIC EBT is not the first tender, the following warning message appears:



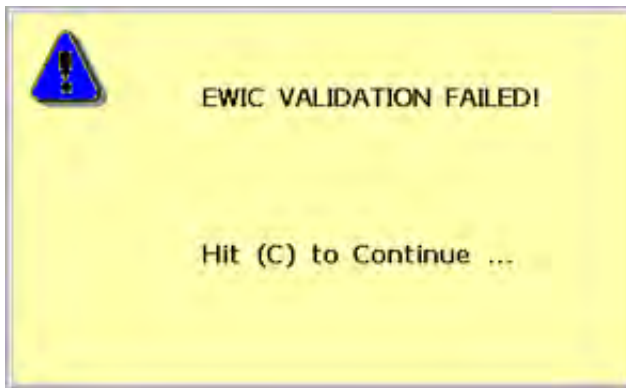
- When in a WIC ticket and Online WIC EBT tendering is attempted, the following warning message displays:



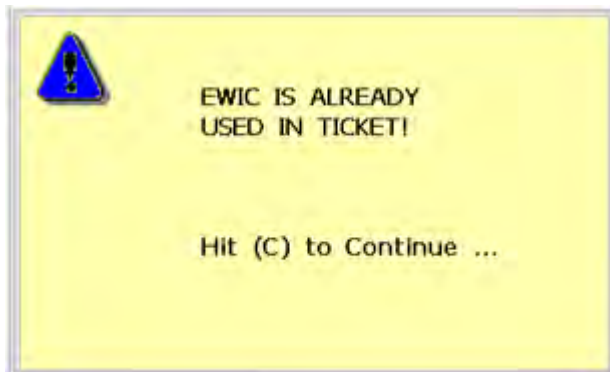
- Likewise, if the ticket has been partially tendered with Smart Card WIC EBT and Online WIC EBT tendering is attempted, the following warning message displays:



- If the state's Online WIC EBT card is not defined in Electronic WIC State Maintenance as active (or the card data does not match the definition for the state), the following warning message appears:



- If the customer attempts to tender with Online WIC EBT a second time in a transaction, the following warning message displays (and the POS returns to Tender Mode when cleared).



- Post Void Transactions are not allowed for transactions tendered with a WIC tender. When attempted, the following prompt displays:



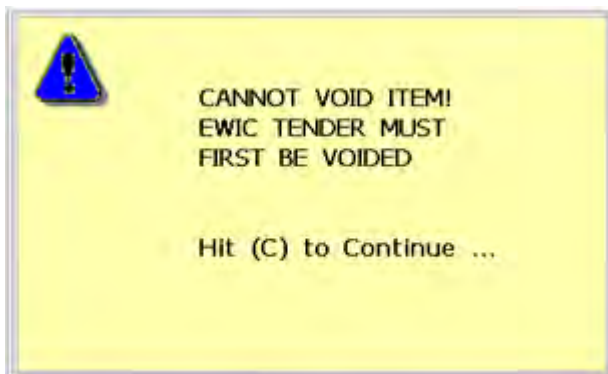
If "Yes" is selected, the following error displays:



Note:

MTXEPS provides a method to restore benefits to an account. Using the original transaction sequence number, the retailer can use VT or a VX570 stand beside to perform a "Void by MTX sequence number".

- If the cashier attempts to void any item in a ticket after Online WIC EBT has been tendered, the following warning message displays:



Note:

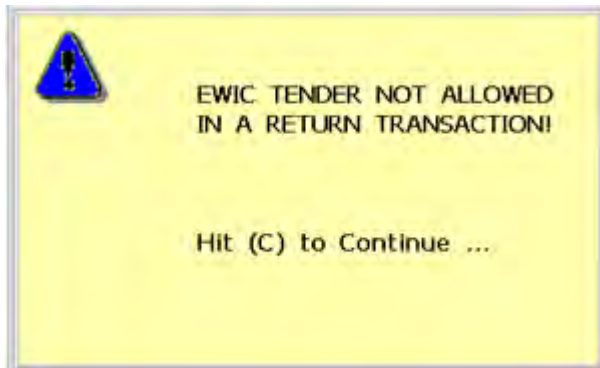
Voiding an item after Online WIC EBT has been tendered could affect promotions, discounts, and or taxes (for state claim purposes). The cashier must first void the Online WIC EBT tender.

- A member card or frequent shopper card cannot be entered into a ticket if Online WIC EBT has already been tendered. If attempted the following warning message displays:

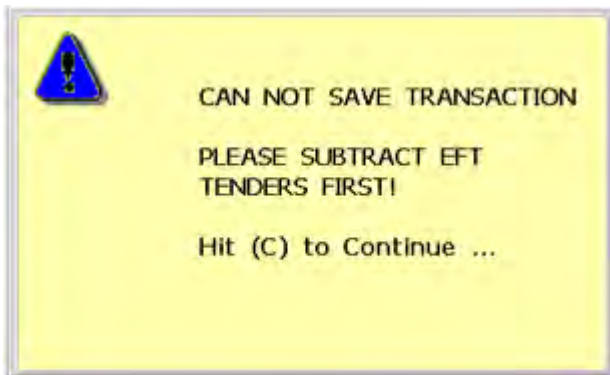
**Note:**

The cashier must first void the Online WIC EBT tender before entering the member number.

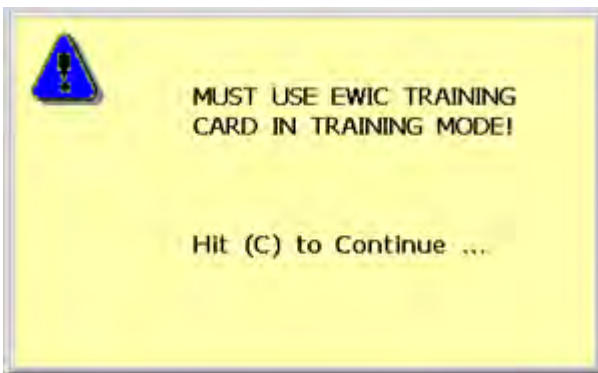
- If Online WIC EBT is attempted to be tendered in a return transaction, the following warning message displays:



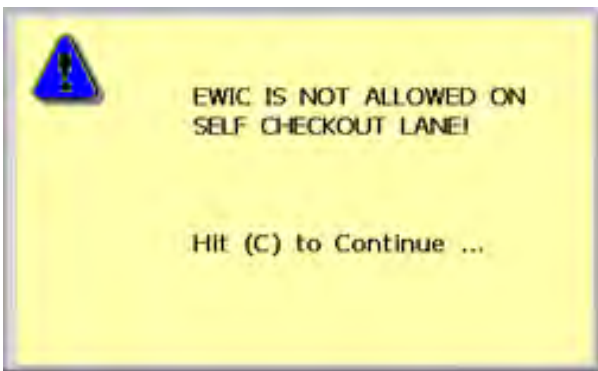
- If a transaction is attempted to be saved when partially tendered with Online WIC EBT, the following warning message displays:



- If a non-training Online WIC EBT card is entered in training mode, the following message displays to the cashier:



- If Online WIC EBT tendering is attempted on a self-checkout lane:



Note:

When "Print Last Transaction" is performed for a ticket that has tendered Online WIC EBT, the Beginning Balance Report, Benefits Redemption and Ending Balance Report will be printed in addition to the sales receipt.

System

A new information transaction has been added to support Online WIC EBT. The transaction type Opcode is 0x70 0xF3. POSTT, a program that displays binary transaction records, has been modified to include the new information transaction.

12745 – Windows 7 Professional and Server 2008 Support (Sys)

The following software components have been tested and certified on MFS1, MFS2 and Workstations PCs running ISS45 8.1.5.2-050.

- Windows 7 Professional Operating System with the SQL Server 2008 Workgroup Database Engine.
- Windows Server 2008 (32-bit) Operating System with the SQL Server 2008 Database Engine.

Note:

StoreNext only certifies these configurations as new installs. StoreNext cannot certify or support upgrades of Windows Operating Systems and SQL Server on existing systems. It is the end user's responsibility to retrieve and archive all relevant historical data from their existing system.

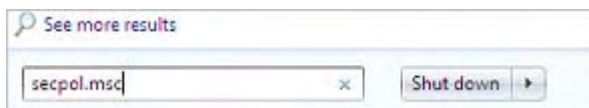
Note:

The ISS45 service monitor application (PosSvMon.exe) is now fully supported under both the Windows 7 Professional and Windows Server 2008 Operating Systems. (Previously the application was not fully functionally on newer operating systems).

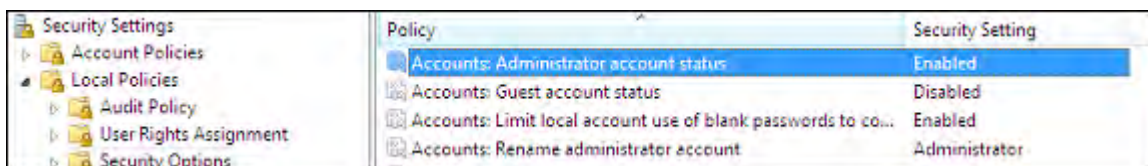
Installation Overview

The following is an overview for configuring Windows 7 Professional and SQL Server 2008 Workgroup Database Engine on MFS1 prior to installing ISS45 8.1.5.2-050.

- By default the Administrator Account is disabled in Windows 7 Professional. To enable access to this account:
 - Click on **Start**, enter **SECPOL.MSC** in the Search Box and press **Enter**.

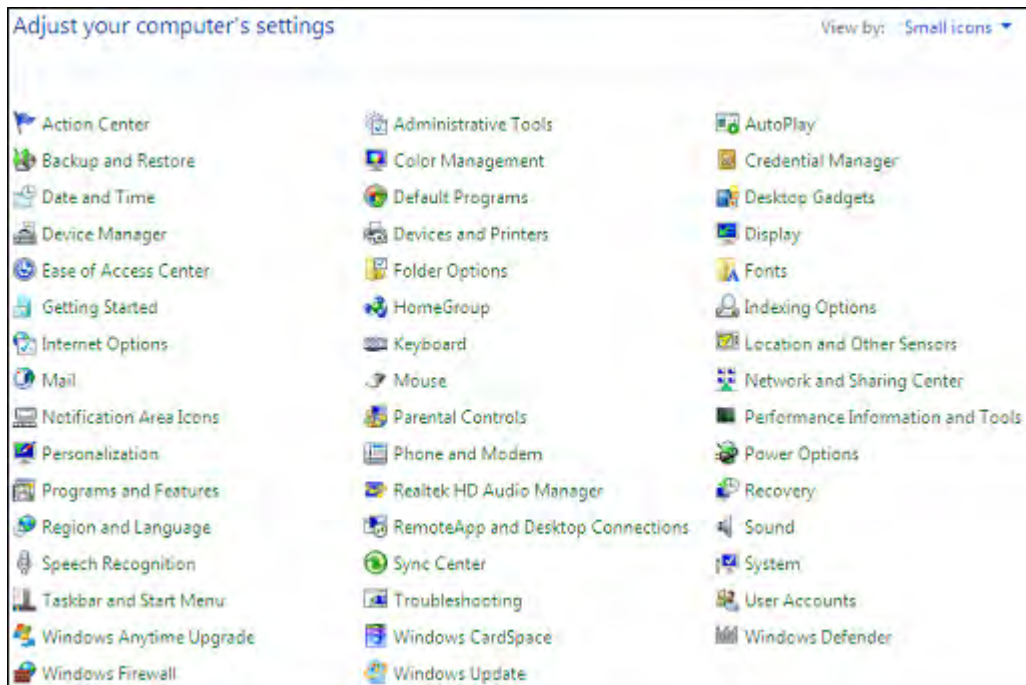


- The Local Security Policy Screen will open.

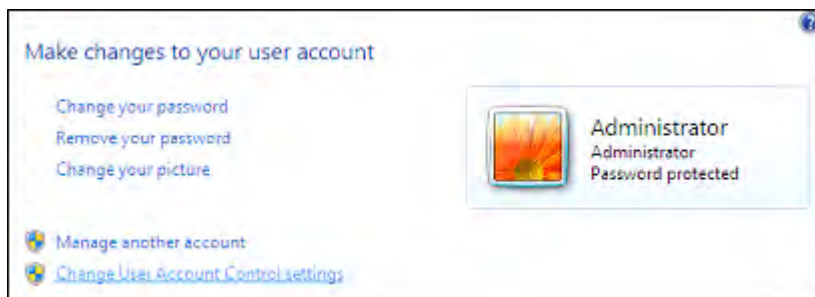


- Click on **Local Policy -> Security Options** and select **Enabled** for **Accounts: Administrator Account Status**.

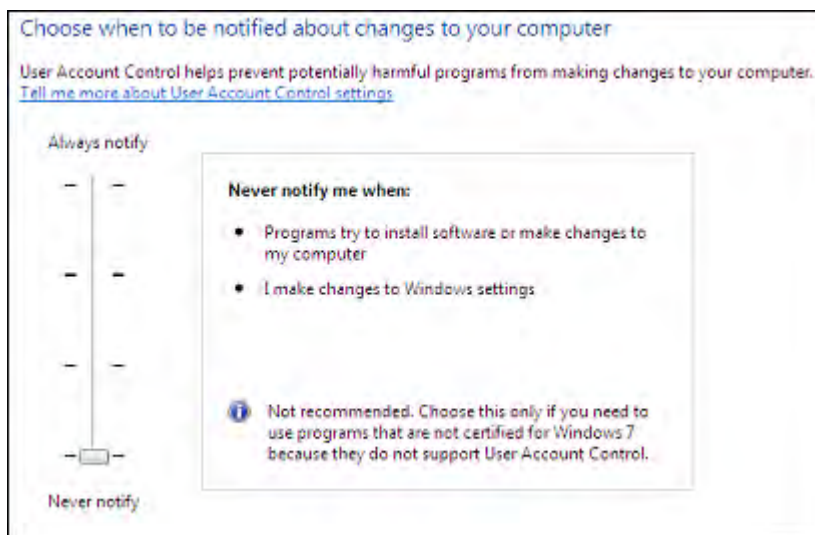
- Sign off the current Windows User and then sign in as Administrator with no password. Press <CTRL><ALT><DELETE> and select **Change Password**. Leave the current password field blank and enter new password twice. Log off and back in as Administrator with the new password.
- Open the Control Panel and change the **View by:** setting to **Small Icons** (upper right-hand corner).



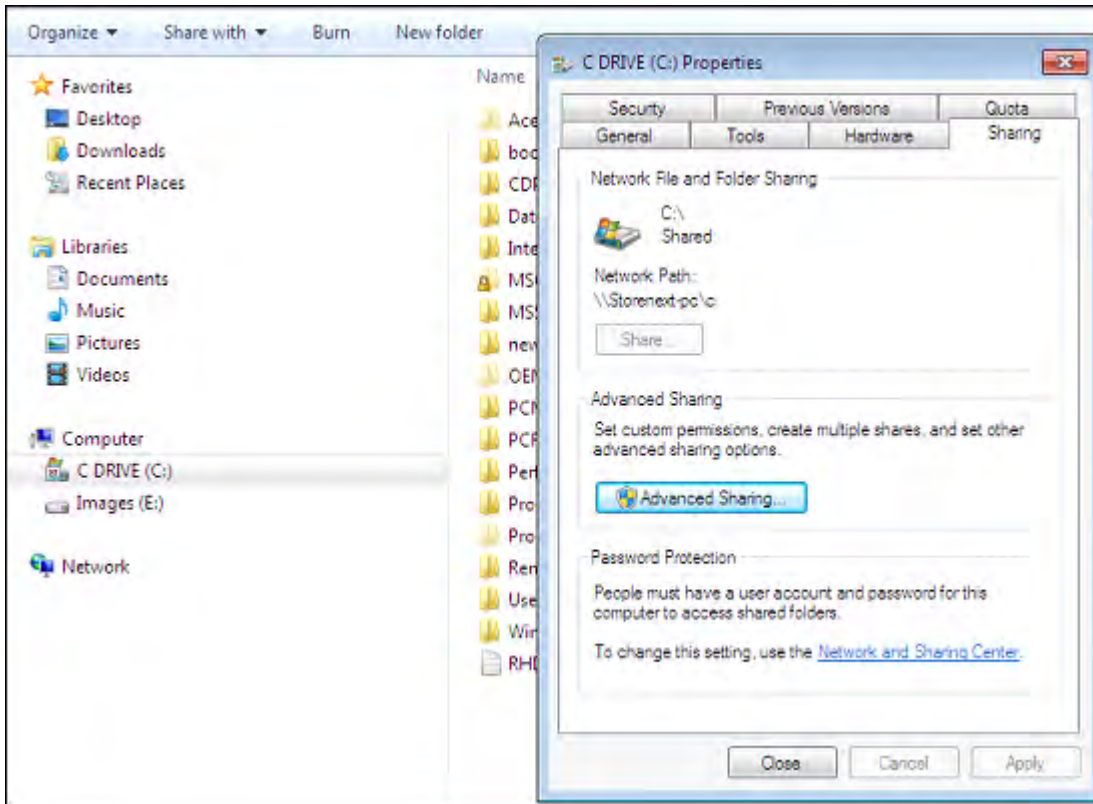
- Click on **User Accounts**.



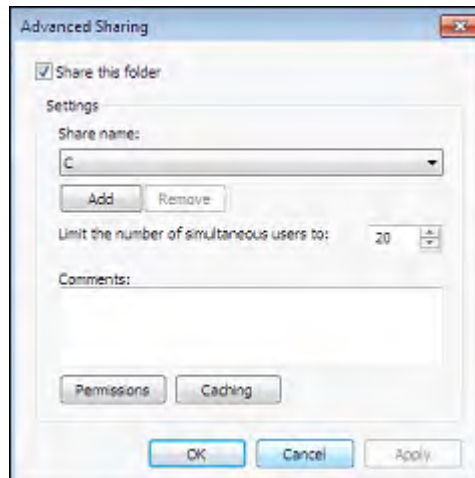
- Click **Change User Account Control settings**.
- Disable User Account Control by moving the slide bar all the way to the bottom (**Never notify**) and click **OK**.



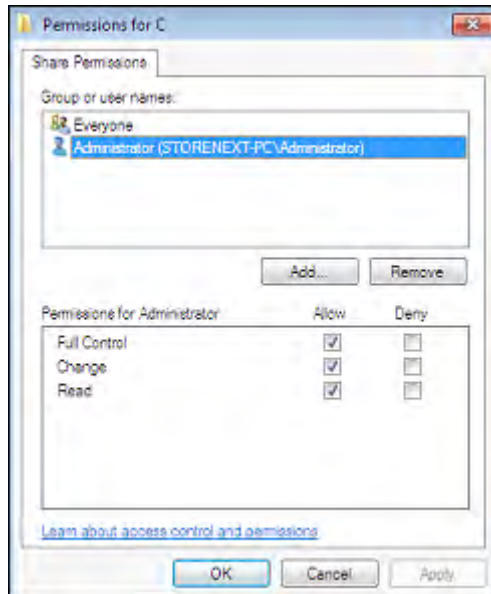
- By default the C: drive will not be shared and the administrator will not have any rights on the drive. Share the drive as C, add the administrator and set Full Permissions.
 - Click the **Computer** icon from the Desktop.
 - Right-click on the **C:** drive and select **Properties**.



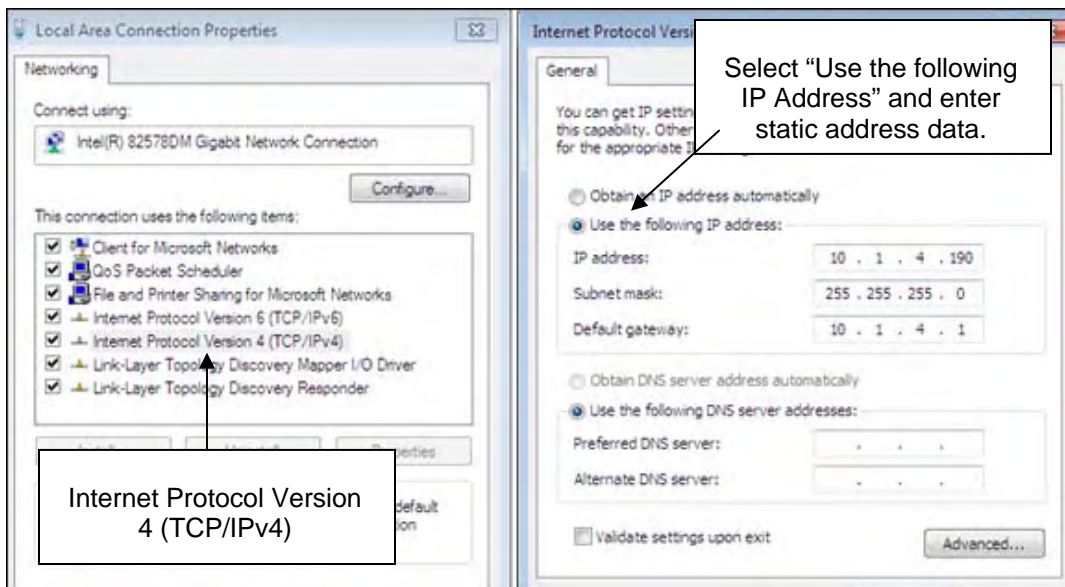
- Click on **Advanced Sharing**.



- Click the **Share this folder** checkbox and add a **Share name** of **C**.
- Click on **Permissions**.

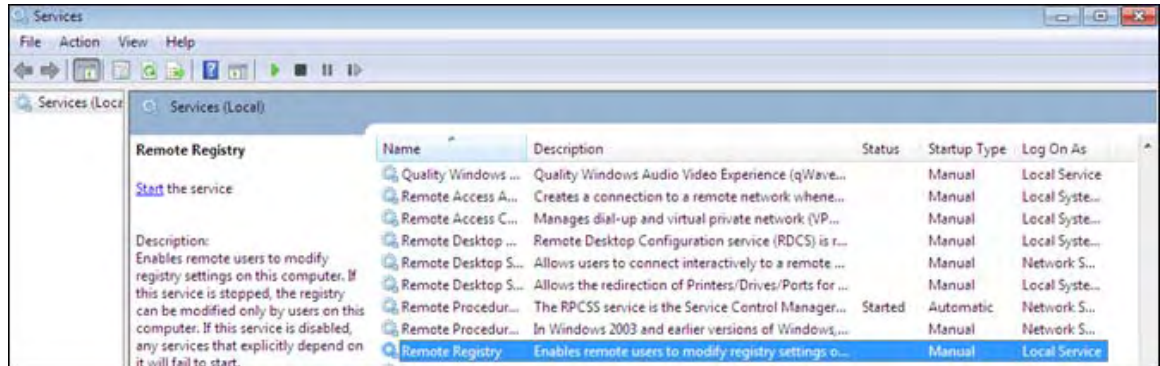


- Highlight the **Administrator** and check the **Allow** box for **Full Control, Change and Read**.
- By default the Network Card will be configured to obtain an IP Address automatically. ISS45 requires all terminals to have a static IP Address. Configure the Internet Protocol Version 4 (TCP/IPv4) function of the network card so it will communicate on your network (under **Network and Internet ->Network Connections**).

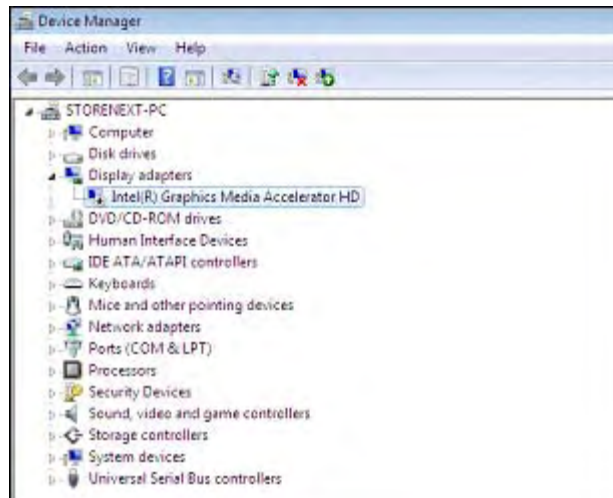


- By default the Remote Registry Service in Windows 7 is set for Manual Start and is not running. (In previous versions of Windows, this service had been set to automatic and always running.) ISS45

requires this service to be running to install MFS2 or any LFS terminal. It is recommended you set this service to Automatic Start (under **Services-> Services Local**).



- By default the drivers for the On Board Video Card (in Acer PCs) does not support a Full Screen Command Prompt Box but ISS45 requires this functionality. Disable the installed video card driver (under **Control Panel ->Device Manager -> Display Adapters**, right-click and **Disable**) and reboot the PC.



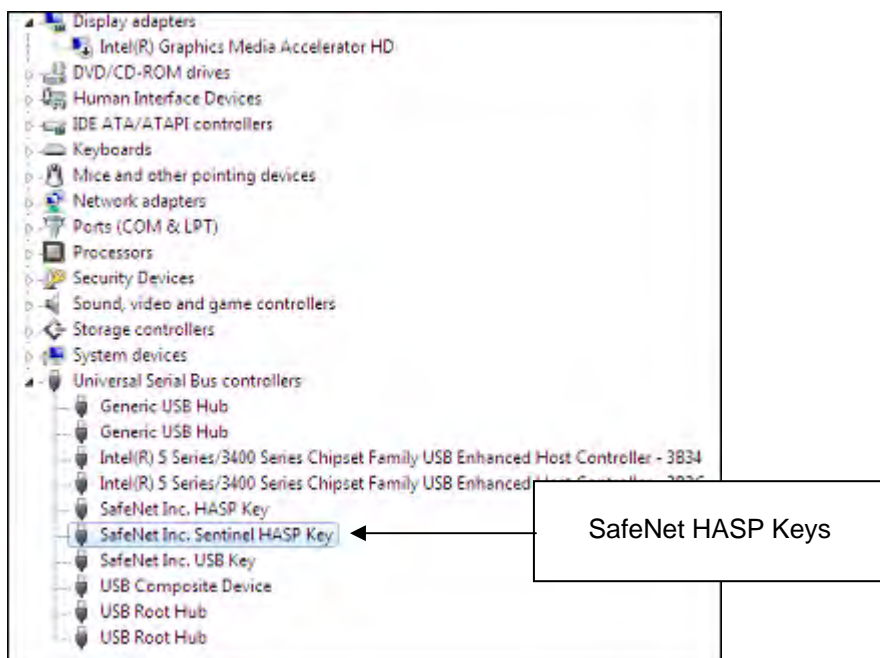
- Verify a Command prompt window can be opened and toggle back and forth between full screen and normal screen.
 - Click on **Start**, enter **cmd** in the Search Box and press **Enter**. The command window displays
 - Press **<Alt><Enter>** twice to toggle between both screens.
 - Type **exit** and press **Enter** to return to the Desktop.

- Install SQL Server 2008 for Workgroups. By default the SA user must have a password set during the install of SQL. Make sure to remove this password before attempting to install ISS45.

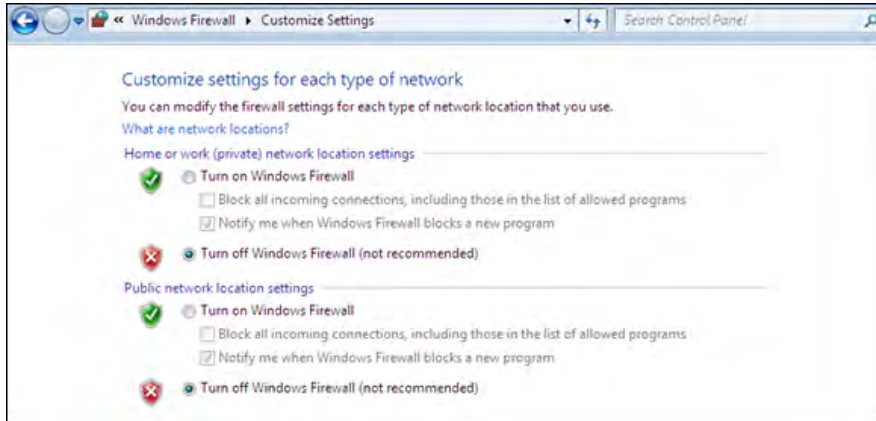
Note:

For details on installing and configuring SQL Server 2008, follow the instructions in the *Installation Guide - SQL 2008 for Workgroups* document.

- Install the SQL 2005 Backward Compatibility Patch as per the SQL documentation.
- Install SQL Server 2008 Service Pack 1.
- Remove the password on the SA user in SQL.
- ISS45 requires a Hasp Plug Software Key be connected to each MFS1 and MFS2. Since most new computers no longer have parallel printer ports it is necessary to use a USB Hasp Plug. The Hasp Plug Drivers installed in ISS45 Version 8 do not support Windows 7 and the application will not detect the Hasp Plug after the install is completed. It is recommended to manually install the latest Windows 7 compatible drivers from SafeNet Inc. prior to installing the ISS45 application.



- Turn off the Windows Firewall (**Control Panel -> Windows Firewall ->Customize Settings**).



12874 – YOU Technology Interface (FO/POS)

For retailers with an existing S&H Greenpoints TCP/IP interface, ISS45 now supports printing coupons and issuing promotions sent from YOU Technology, a third-party vendor offering benefits and promotions to customers during an order.

Note:

Historically, the POS workstation interfaced to an S&H “Clean Box” at each lane through a serial interface (and the Clean Box communicated to the S&H Server). ISS45 now supports using TCP/IP to communicate directly the YOU Technology server. The serial interface to S&H (through the “Clean Box”) will continue to be supported.

Note:

In the event that the retailer is using multiple third-party coupon providers and both provide coupons for the same item, the discount will be applied on a “first received, first applied” basis. There is no best deal logic for determination.

Front Office

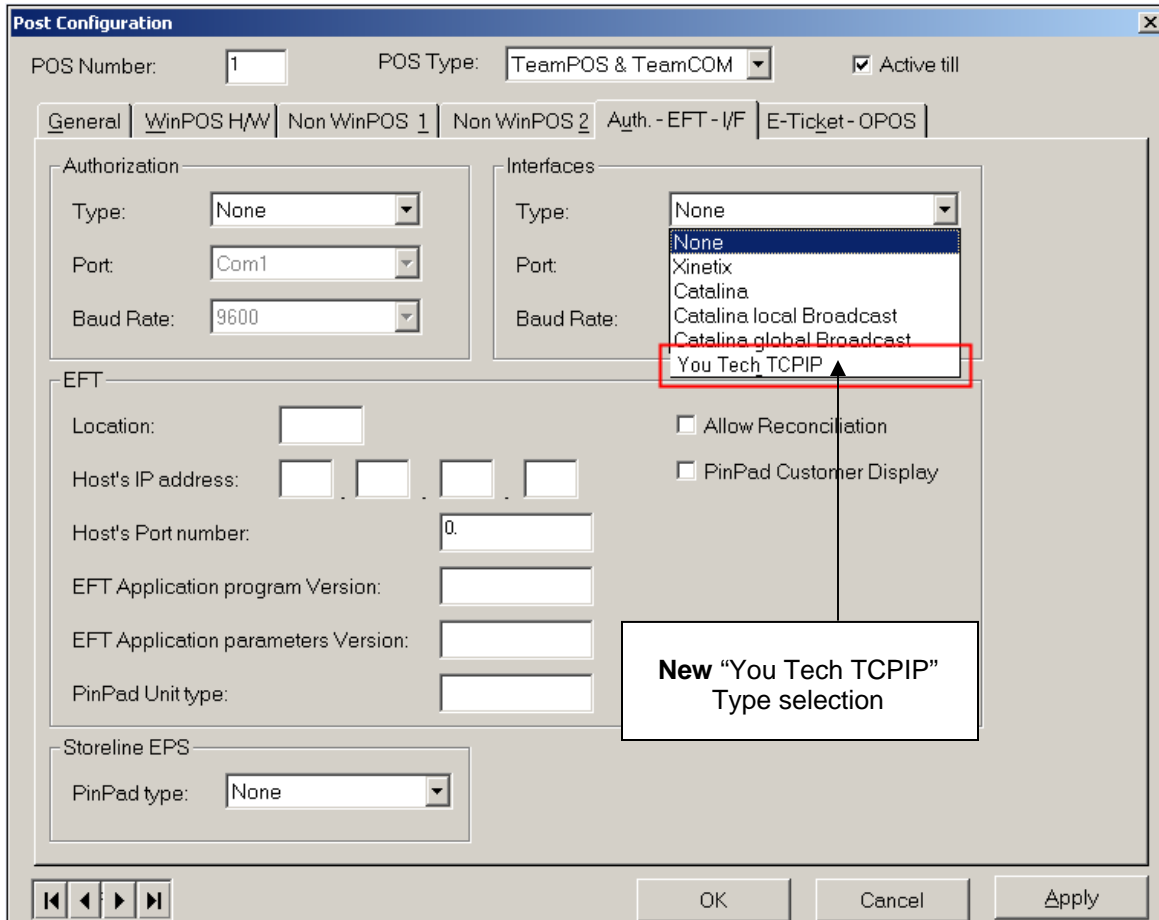
New Parameters

As part of this feature new parameters have been established. The following General System Parameters are located in the **new** Store / Technical / YOU Technology Server Network folder.

Parameter	Explanation
YOU Tech Server IP Address	This parameter defines an IP address of a YOU Tech server in the store.
YOU Tech server Port	This parameter defines a connection Port for a YOU Tech server.
YOU Tech Port for Promotional Message Printing	This parameter defines a connection port for the You Tech server to send Promotional Messages to be printed at the end of the order. (A promotional message will be printed at the end of the ticket whenever it is received from the YOU tech server.)
YOU Tech Retailer ID	The value defined in this parameter will be sent to YOU Tech server as a Retailer ID when requested.
YOU Tech Store ID	The value defined in this parameter will be sent to YOU Tech server as a Store ID when requested.

New POST Configuration Field Setting

In support of this feature, a new field selection has been added to the Auth.-EFT-I/F Tab of the POST Configuration:



Field	Description
Type	Select the appropriate interface type: <ul style="list-style-type: none"> ▪ None ▪ Xinetix ▪ Catalina ▪ Catalina local Broadcast ▪ Catalina global Broadcast ▪ You Tech TCPIP

POS

When the new option “YOU Tech TCPIP” is selected in POS configuration, the POS now verifies the settings of the new General System Parameters “YOU Tech Server IP Address” and “YOU Tech server Port”. If both are defined, POS to sends the following outgoing Message IDs and messages to YOU Technology:

Note:

The messages are based on YOU Technology Generic Point of Sale Interface Specifications version 1.02.08. All messages are in flat file (simple text) format with a binary header. In the event of YOU Technology server is offline, no store and forwarding is performed.

- S – Sign ON/OFF message (when cashier signs on or off the POS)
- B – Beginning of Transaction (when the ticket starts)

Note:

For recall or recovery of the ticket, the POS sends a “Recall” flag in the beginning of ticket message.

- A – Frequent Shopper Account Number (when customer presents their Frequent Shopper or Member Card)

Note:

If the Frequent Shopper Card presented is valid (based on ISS45 Card Ranges), the POS sends Message ID ‘A’ to You Tech with the following fields: ff, a, s-0 or s-1 or s-2. If the card is invalid, the POS display the “Invalid Member Card” message to cashier no outgoing message is sent to YOU Technology.

- F – Phone Number Lookup (when the customer does not have their card and a phone number is entered using the “Phone Lookup” function)

Note:

The POS does not perform member validations when Phone Number Lookup is used. YOU Technology performs the validation and will send back customer information (name, card number, DOB) for a maximum of nine customers. If the phone number is invalid, YOU Technology sends a decline message and the POS displays the “Phone number not found” message.

- I – Item Information (when an item is entered in the transaction - including voids)
- T – Total Information (each time the ticket is totaled).
- P – Tender Information (each time the ticket is tendered – partially or fully).
- E – End of Transaction (when the transaction has completed).

Note:

For save of the ticket, the POS sends a “Save” flag in the end of ticket message.

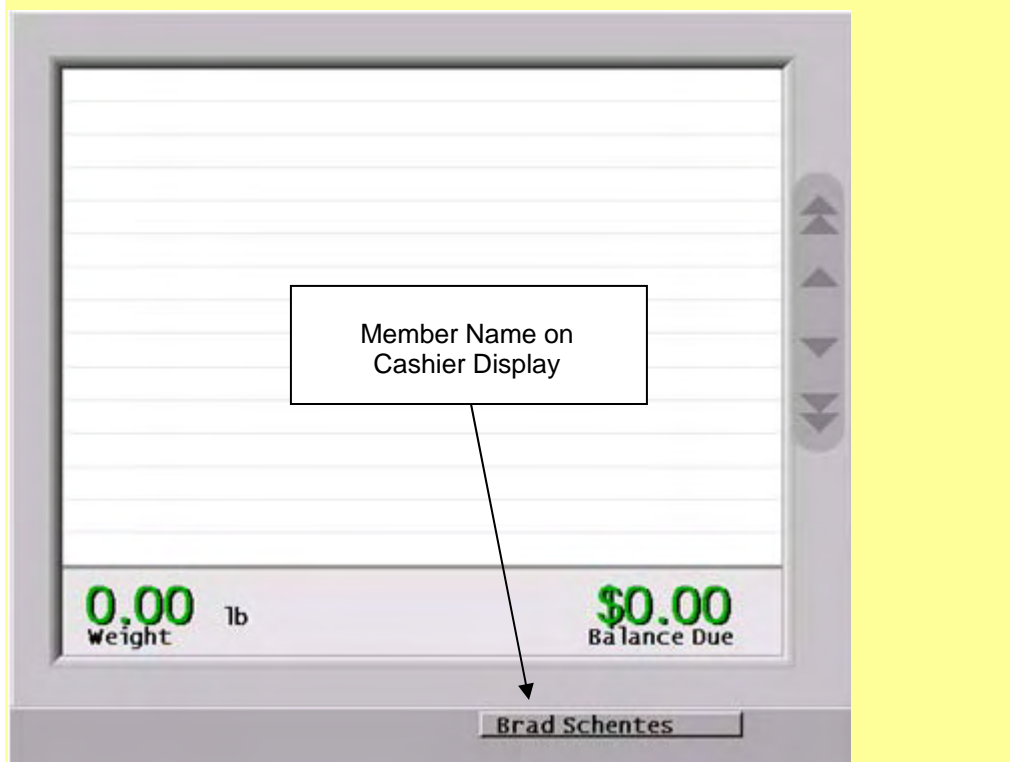
- V – Software Version Request (when requested by YOU Technology).

The POS supports the following incoming Message IDs and messages from YOU Technology.

- C – YOU Engine Benefit (anytime during the transaction after Beginning of Transaction and/or Frequent Shopper Account Number messages are sent to YOU Technology).
- D – Customer Account Information (after Member Card/Frequent Shopper information is sent to YOU Technology).

Note:

When YOU Technology sends a valid account message (f-1 or f-2), the POS displays the Member Name on the Cashier Display:



- F – Phone Number Lookup Response (after the Phone Lookup function is performed and sent to YOU Technology).
- V – Software Version Request (anytime during transaction).

Receipt Printing Modifications

If the new General System Parameter "Print Promotional message from YOU Tech" is set to "Yes" and the POS has a TCP/IP connection to the YOU Technology server, the POS now prints the message when received. The benefits will either be printed in the body of the receipt (if benefits are

used in the current transaction) or on a separate ticket (if the benefits are for the customer's next visit).

13014 – M-Dot Free Form Text Support (POS)

Support for M-Dot digital coupons issued through the M-Dot Network was first introduced in ISS45 release 8.1.5.1-050. In this release, ISS45 supports printing free form text received from M-Dot at the bottom of the receipt (regardless of whether coupons are issued in a ticket).

Note:

The General System Parameter “M-Dot Network in System” (located in the Store \ Technical \ 3rd Party Coupon Providers \ M-Dot Network folder) must be set to “Yes” and the M-Dot Network Digital Coupon Interface must be enabled through Bit 20 on the HASP.

Transaction Flow

1. Cashier scans items.
2. Cashier enters Consumer ID (or customer enters Consumer ID at the PIN Pad).
3. Cashier totals the ticket.
4. POS sends “Msg1TicketDetails” XML to M-Dot.
5. The POS terminal receives the “Msg2TicketDetailsResponse” that contains free form text.
6. Cashier tenders and finalizes the transaction.
7. The POS passes “free form text” to the printer with all other receipt information.
8. Customer receipt is printed with free form text at the bottom (above the footer).

Note:

Free form text received from M-Dot does not display on the Cashier Display (but may be viewed through the Electronic Journal).

Receipt Example



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
Save \$0.50 on Fanta		-0.50	F
Save \$1.50 on Milk		-1.50	F
Order Total		25.00	
Sales Tax		0.10	
Grand Total		25.10	
Cash	Payment	30.00	
Change		4.90	
M-Dot Network Acct:7273477149			
M-Dot Network Acct:7274217932			
You could have saved \$2.00 if you were a of the XYZ club. Go to www.enrollxyz.com or text enrollxyz to join			
Your cashier was Mickey			
05/12/2009 21:30 S1322 R109 3021 C0249			
Thanks for shopping with Retailix.			

Free Form Text from
M-Dot

Note:

An unlimited number of lines may be printed (with a maximum of 40 characters per line). Printed text is centered on each line.

Note:

The Save\Recall function clears all previously received free form text from memory.

13015 – Fraud Protection for M-Dot Digital Coupons (FO/POS/Sys)

New General System Parameters found in this release add support for preventing fraudulent activity relating to M-Dot digital coupons. When enabled, the POS is able to void or reject Databar coupons based on messages received from M-Dot.

Note:

Support for electronic Databar coupons provided by M-Dot Network was first introduced in ISS45 8.1.5.1-050. The M-Dot Network Digital Coupon Interface is enabled through Bit 20 on the HASP.

Front Office

New Parameters

As part of this feature new parameters have been established. The following General System Parameters are located in the Store \ Technical \ 3rd Party Coupon Providers \ M-Dot Network folder.

Parameter	Explanation
Send Ticket Details to M-Dot Network	This parameter defines when the POS will communicate with the M-Dot Network. When sent to "Always", the POS will communicate with M-Dot regardless if an ID was entered in the transaction. When sent to "When Consumer/Loyalty Card in ticket", the POS will communicate only if a Consumer ID or Loyalty Card is entered into the ticket.
Prompt for PIN when M-Dot Network Consumer ID is entered	This parameter defines if a PIN is required when a consumer ID has been entered into the transaction. The PIN prompt will be on the PIN Pad.
Use M-Dot Network Bad Coupon List	This parameter defines if the POS will use the M-Dot Network bad coupon list to validate coupons entered to the ticket by the cashier.
PIN entry first text line on EFT prompt (Prompt 1)	When the parameter "Prompt for PIN when M-Dot Network Consumer ID is entered" is set to "Yes", this parameter will determine what text will be displayed on the PIN Pad's first line of text.
PIN entry second text line on EFT prompt (Prompt 2)	When the parameter "Prompt for PIN when M-Dot Network Consumer ID is entered" is set to "Yes", this parameter will determine what text will be displayed on the PIN Pad's second line of text.

POS

If the new "Send Ticket Details to M-Dot Network" parameter is set to "Always", the POS will send all transactions to M-Dot regardless if there is a Consumer ID or Loyalty Card in the ticket. If set to "When Consumer/Loyalty Card in ticket", transactions are sent to M-Dot only if there is a Consumer ID or Loyalty Card in the ticket.

If the new "Prompt for PIN when M-Dot Network Consumer ID is entered" parameter is enabled and the cashier enters in the Consumer ID at the POS, the POS prompts the cashier to tell the customer to enter their PIN

at the PIN Pad. (The PIN Pad is reset and a PIN request message is issued). If the customer enters in the Consumer ID at the PIN Pad, the PIN Pad prompts the customer to enter their PIN.

At ticket total if the “Use M-Dot Network Bad Coupon List “ parameter is enabled, M-Dot sends a list of bad coupons (in the “Msg2TicketDetailsResponse” message) based on the items that were scanned in the ticket. If a bad coupon is in the ticket, the POS voids the coupon and notifies the cashier of an invalid coupon. If a bad coupon is scanned after the “Msg2TicketDetailsResponse” message is received, the POS rejects the coupon and also notifies the cashier.

System

ISS45 now supports passing and receiving the “Msg1TicketDetails” and “Msg2TicketDetailsResponse” messages when there is no consumer ID in the ticket.

160250 – New Hook for Check Data (Sys)

A new hook in this release will make check data available after a MICR read. The new hook "hook_after_micr_read" has been added to WPHOOK.DLL. The hook contains calls to PosW32.exe. When called, the POS passes a pointer to a copy of the tender entry containing MICR data.

Note:

This hook is a read-only tool to access MICR information and cannot be used to cause the POS to change current functionality.

Note:

The General System Parameter "User Hooks in System" (located in the Store \ POST \ Operational \ POST User Hooks folder) must be set to "Yes" to implement hooks at the POS.

219632 – LaneHawk Support for 92U Keyboards (POS)

The ISS45 interface with LaneHawk is now supported in sites using Fujitsu 92U Keyboards. (Previously, the LaneHawk interface was only supported in sites with touch-screen POS terminals).

When the LaneHawk interface window has focus (after totaling the ticket), ISS45 now traps keystrokes normally sent to the POS and sends messages to LaneHawk when the ENTER (13), CLEAR (4), UP (328) or DOWN (336) keys are pressed. (All other key presses are ignored). When the LaneHawk interface no longer has focus (after “below the basket” item resolution has completed) processing continues as normal.

219634 – LaneHawk Price Field Support (POS)

ISS45 now includes the item price in the LaneHawk <posItem> XML message sent to LaneHawk. The price sent is the sale amount of the item (as shown on the scrolling receipt when the item is sold). For example, if a frequent shopper discount is applied to the item, it is reflected in the price sent to LaneHawk. However, if the discount is a separate line item (promotion, manual discount, etc.) it will not be reflected in the price field.

Note:

As items are added to a transaction, ISS45 sends a <posItem> XML message for each item to LaneHawk. A <posItem> XML message is also sent to LaneHawk when an item is added to a transaction from the LaneHawk Interface Screen.

219640 – New Fields in LaneHawk Connected Message (POS)

The following new fields are now included in the LaneHawk <posConnected> XML message:

- <heartbeatSupport> – Always set to “1”.
- <heartbeatInterval> – Set to the value in the General System Parameter “Heartbeat interval” (located in the Store \ Technical \ LaneHawk folder).
- <serverTimeout> – Set to the value in the General System Parameter “LaneHawk Server Timeout Parameter” (located in the Store \ Technical \ LaneHawk folder).
- <applicationVersion> – Set to the current POS version (e.g. “8.1.5.2”).
- <withinTransaction> – If the POS currently has a ticket number, this field is set to “1”. Otherwise the field is set to “0”.

Note:

When a successful connection is detected on the configured TCP/IP socket, StoreLine sends a <posConnected> XML message to LaneHawk and the connected icon appears on cashier display. LaneHawk returns an <LHGUIheartbeat> XML message and repeats sending the message at specified intervals.

Technical Reference Appendix

SQL Changes

New Fields to Existing Tables

The following new fields have been added to existing ISS45 SQL tables in release 8.1.5.2-050.

Table	Field Name	Type	Default	Comments	CR
EBT_WIC_STATES	STATE_TYPE	Tinyint	Null	0 – EBT WIC 1 – eWIC	
	DISPLAY_ELIGIBLE	Bit	Null		
EBT_WIC_APL	PLU_LENGTH	Tinyint	Null	Length of PLU	
	FULL_PLU_FROM_APL	Char(17)	Null		
	OLD_FG	Bit	Null		
EBT_WIC_CTGR	OLD_FG	Bit	Null		

New Tables

The following new tables and supporting fields have been added in release 8.1.5.2-050.

Table	Field Name	Type	Default	Comments	CR
EBT_WIC_LNK	POSTAL_CODE	Char(2)		Represents the WIC Agency	
	ITM_ID	Float			
	ENABLED	Bit		0 – Deletes Enable WIC Sale flag 1 – Sets Enable WIC Sale Flag	
GEN_BTCH_EBT_WIC_LNK	GEN_BTCH_NBR	Int			
	DT_CREATED	Datetime			
	OPCODE	Tinyint			
	STATUS	Int	Null		

	POSTAL_CODE	Char(2)		Represents the WIC Agency	
	ITM_ID	Float			
	ENABLED	Bit		0 – Deletes Enable WIC Sale flag 1 – Sets Enable WIC Sale Flag	

New TLOG Information Transaction

The layout of the new Online WIC EBT Information Transaction (0x70 0xF3) is as follows:

Bytes	From	To	Data	Bits	Explanation
1	0	1	Opcode	70	Log Information
					Trans Info 2
1	1	2	Function	0xF3	
1	2	3	Sub Function	0x01	Ticket Frame start
				0x02	Item Sale
				0x03	Item Cross Ref
				0x06	Transaction Item Error
				0x08	Ticket total
				0x09	Prescription details
				0x0B	Ticket tax details
				0x0C	Item tax details
				0x20	Benefits list
				0x99	Ticket frame end
Union					
Ticket Frame		0x01			Start
		0x99			End
2	3	5	POS number		
10	5	15	PAN		
1	15	16	PAN Length		
2	16	18	Alpha State Code		
1	18	19	State Fips (hex)		

Bytes	From	To	Data	Bits	Explanation
4	19	23	Session Date		
3	23	26	Session time		
18	26	44	Not Used		
Union					
Item Sale		0x02			
7	3	10	PLU code		
2	10	12	Category		
2	12	14	Subcategory		
4	14	18	Quantity		
2	18	20	Action Code		
4	20	24	Plu Price		
4	24	28	Sell Amount		
7	28	35	Linked PLU Code		
1	35	36	Plu Indicator		If CVV item or not
4	36	40	Count		
4	40	44	Approved Price		
Union					
Item Cross Ref		0x03			
2	3	5	Sequence #		
39	5	44	Not Used		
Union					
Ticket total		0x06			
7	3	10	PLU Code of Item		BCD
2	10	12	Category		
2	12	14	Subcategory		
2	14	16	Action Code		
4	16	20	Quantity		
4	20	24	Item Price		
4	24	28	Original Item Price		
4	28	32	Original Quantity		
12	32	44	Not Used		
Union					

Bytes	From	To	Data	Bits	Explanation
Ticket total					
4	3	7	Tender Amount		
4	7	11	Wic Coupon Total		
4	11	15	Wic Promotion Total		
4	15	19	Wic discount total		
4	19	23	Wic item total		
4	23	27	Wic item count		
4	27	31	Wic net total		
13	31	44	Not Used		
Union					
Prescription details					
4	3	7	Expiration Date		
37	7	44	Not Used		
Union					
Ticket tax details					
1	3	4	Tax number		
4	4	8	Taxable Amount		
4	8	12	Tax Amount		
32	12	44	Not used		
Union					
Item Tax Details					
7	3	10	Plu code		
1	10	11	Flag		
				Bit 0	FS item
				Bit 1	Cost plus
				Bit 2	Non merchandise item
				Bit 3	Negative item
				Bit 4	Discount allowed
				Bit 5	Not used
				Bit 6	Not used
				Bit 7	Not used
1	11	12	Tax		Indicates which taxes are enabled on

Bytes	From	To	Data	Bits	Explanation
					this item
1	12	13	MSU amount		
4	13	17	Sell amount		
4	17	21	Return surcharge %		
4	21	25	Quantity		
2	25	27	Department		
17	27	44	Not used		
Union					
Benefit List	0x20				
1	3	4	Type of benefit record		0x01 = Beginning balance 0x02 = Eligible benefits 0x03 = Ending balance
1	4	5	Subtype		0x01 = Header 0x02 = Details
Union					
Header	0x01				
2	5	7	Number of details records		
10	7	17	PAN		
1	17	18	PAN length		
2	18	20	State code		
4	20	24	End date		
2	24	26	Block count		
2	26	28	Compressed Buffer Size		
2	28	30	Uncompressed Buffer size		
14	30	44	Not Used		
Data	0x02				
2	5	7	Record Number		
1	7	8	Number of bytes in this record		
36	8	44	Data		

The layout of the GEN_TABLE.QDX (File Number 80) has changed in this release. The changes are in **bold** below.

```

Typedef struct gtbl_EBTWIC_state_codes_ //OFS      Type      Description
{
    unsigned char opcode;                // 0      NUM          Record opcode. Always 37
    unsigned char KeyFiller[21];         // 1      NU           Not used
    unsigned char StateCode[2];         //22     BCD         State code numeric 0-99
    unsigned char StateName[20];         //24
    unsigned char StateFIPS[1];         //44
    unsigned char nu_offset44[1];       //45
    unsigned char BIN[32];               //46
    short PANLength;                    //78
    short TrainingDigit;                //80
    short PANMaskingPrintStart;         //82
    short PANMaskingPrintEnd;          //84
    unsigned char eWicType;           //86: 0=SmartWIC 1=eWic
    unsigned char DisplayPrintAvailableBenefitsOnly; //87 eWic only
    unsigned char filler[167];          //88     NU           Not used
    unsigned char qdx;                 //255    BITS        QuickDex reserved flags
} GTBL_EBTWIC_STATE_CODES;

```

The layout of the CROSS.QDX (File Number 101) has changed in this release. The changes are in **bold** below.

```

//KEY-2
#define CROSSN_PROM_PLU                0x60
#define CROSSN_PROM_DEP                0x61
#define CROSSN_PROM_MMG                0x63
#define CROSSN_PROM_MANUFACT           0x64
#define CROSSN_PROM_GROUP              0x65
#define CROSSN_PROM_SEGMENT            0x68
#define CROSSN_PROM_TNDR               0x6A
#define CROSSN_PROM_PROGRAM            0x6B
#define CROSSN_PROM_RESETSEG           0x72
#define CROSSN_PROM_PROMOTION          0x73
#define CROSSN_PROM_CBANK              0x75
#define CROSSN_PROM_MANUAL             0x76
#define CROSSN_PROM_EXCLUDE_CLASSIFICATION 0x77
#define CROSSN_PROM_TRIG_BY_COUPON     0x78

```

```

#define CROSSN_PROM_TIER_SEGMENT      0x79
#define CROSSN_PROM_TARGET_MESSAGE    0x80
#define CROSSN_PROM_REWARD_MESSAGE   0x81
#define CROSSN_PROM_INCENTIVE_MESSAGE 0x82
#define CROSSN_PROM_APPROVAL_MESSAGE  0x83
#define CROSSN_EBT_WIC_PLU_STATE      0x2F
#define CROSSN_EBT_WIC_STATE_PLU      0x3F

struct state_                          // STRUCT
{
    unsigned char  filler[6];          //1  NU    Not used
    long           state_id;           //7  BCD   State FIPS number
};

struct cross_                            //OFS  Type
Description
{
    //-- GENERAL part -----
    unsigned char  opcode;             //0   BCD   Opcode links
                                           //   1- Prom    -> PLU
                                           //   3- Prom    -> Department
                                           //  10- Coupon  -> PLU
                                           //  20-PLU     -> Prom
                                           //  21-Department -> Prom
                                           //  22-PLU     -> Coupon
                                           //  2F-PLU     -> State
                                           //  30-Prom    -> PLU
                                           //  31-Prom    -> Department
                                           //  32-Coupon  -> PLU
                                           //  3F-State   -> PLU
                                           //  40-Checkout bank -> cust survey

union
{
    unsigned char  plu[7];             //1   BCD   PLU key
    unsigned char  coupon[7];         //1   BCD   Coupon key
    struct dept_   dept;              //    STRUCT
}

```

```

    struct prom_   prom;           //   STRUCT
    struct cross_cust_q_   cust_q;
    struct cross_cbank_   cbank;
    struct cross_mixmatch_   mix;
    struct manufacture_   manuf;
    struct group_   group;
    struct segment_key_   segment;
    struct program_   program;
    struct scheme_   scheme;
    struct tender_key_   tender_key;
    struct sub_dept_   sub_dep;
    struct internal_code_   int_code;
    struct state_   state;           //   STRUCT
}key1;                               //was 'prom_or_coupon'

union

{

    unsigned char   plu[7];           //8   BCD   PLU key
    unsigned char   coupon[7];       //8   BCD   Coupon key
    struct dept_   dept;             //8           Department key
    struct prom_   prom;             //8           Promotion number
    struct state_   state;           //   STRUCT

```

The layout of the HOTCARD.QDX (File Number 205) has changed in this release. The changes are in **bold** below.

```

struct CHotCard_
{
    char PAN[10];                     // 0   BCD Account Number
    char StateCode[2];                //10   State Code - 2 digit alpha (not FIPS)
    char KeyFiller[11];              //12   Key filler

    char LockDate[3];                //23   BCD Effective Date YYMMDD
    char LockTime[3];                //26   BCD Effective Date HHMMSS
    char nuDateTime;                 //29   not used
    char Reason[4];                  //30   Reason card on list
    char LastUPD[4];                 //34   BCD Date of Last Import File
    char NU[217];                    //38

```

```

    char QDXflag;                //255 Quickdex Flag
};

```

The layout of the WICITEMS.QDX (File Number 206) has changed in this release. The changes are in **bold** below.

```

struct CWICItem_
{
    char StateCode[2];           // 0 State Code - 2 digit alpha (not FIPS)
    unsigned char UPC[7];       // 2 BCD UPC Number
    char Category[2];          // 9 BCD Category
    char SubCategory[2];       //11 BCD Subcategory
    char KeyFiller[10];        //13 Key filler
    char nu_UOM[5];            //23 not used
    long PakSize;              //28 Pack Size
    long BenefitQty;           //32 Qty of benefit units req to redeem item
    char BenefitUnit[5];       //36 Descrip. of Unit of Measure for benefits
    long Price;                //41 Reimbursement Price
    char PriceType;           //45 Price Type
                                // 00 - Price not disclosed
                                // 01 - Max Price
                                // 02 - Contract Price
                                // 03 - Cash Value Voucher
                                // 04-25 Reserved for national use
                                // 26-99 Reserved for Private Use

    char StartDate[3];        //46 BCD YYMMDD Date
    char ExpDate[3];          //49 BCD YYMMDD Date
    unsigned char LinkUPC[7]; //52 BCD Linked Item Code
    unsigned char PLUIndicator; //59 PLU/UPC Indicator
    char PLULength[2];         //60
    char FullUPCfromApl[17]; //62 Entire UPC buffer from the APL.
    char NU[176];             //79 Not Used
    char QDXflag;            //255 Quickdex Flag
};

```

The layout of the WICCAT.QDX (File Number 207) has changed in this release. The changes are in **bold** below.

```

struct CWI CCategory_
{
    char StateCode[2];           // 0 State Code - 2 digit alpha (not FIPS)
    char Category[2];          // 2 BCD Category

```

```
char SubCategory[2];          // 4  BCD Subcategory
char KeyFiller[17];          // 6  Key filler

char UOM[6];                 //23  Unit of Measure abbr.
char Description[30];        //29  Category description

char NU[196];                //59  not used
char QDXFlag;                //255 Quickdex Flag
};
```

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 StoreNext Retail Technologies LLC 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.

FSD Number	Enhancement	Out of Scope
12732	Store MTXEPS Receipt Copy Suppression	<p>Store MTXEPS Receipt Copy Suppression is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>Store MTXEPS Receipt Copy Suppression development excluded:</p> <ol style="list-style-type: none"> 1. Any changes to EFT Transactions handled during Sale Mode (i.e. Gift Card Activations/Deactivations/Recharge).

FSD Number	Enhancement	Out of Scope
12741	Online WIC EBT Support	<p>Online WIC EBT Support is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>Online WIC EBT development excluded:</p> <ol style="list-style-type: none"> 1. Support for Online WIC EBT on self-checkout terminals. 2. Acquiring the APL files from state WIC Agencies. (This will remain the responsibility of the retailer). 3. Adding Online WIC EBT transaction reports. 4. Supporting processors other than JP Morgan and WIC Direct. 5. Supporting LEBs for multiple states.
12745	Windows 7 and Server 2008 Support	<p>Changes made to support Windows 7 and Server 2008 were made for new installations on the current and 8.1.5.1-080 release levels only.</p>
12874	YOU Technology Interface	<p>The YOU Technology Interface is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>YOU Technology Interface development excluded:</p> <ol style="list-style-type: none"> 1. Any changes to existing POS promotions. 2. Changes to support this feature on self-checkout terminals. 3. Support of a generic message display.
13014	M-Dot Free Form Text Support	<p>Changes made for the M-Dot Free Form Text Support were made for the current release only (and will not be made to previous ISS45 releases).</p> <p>M-Dot Free Form Text development excluded:</p> <ol style="list-style-type: none"> 1. Any changes to existing M-Dot digital coupon functionality.

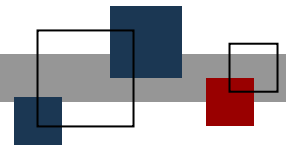
FSD Number	Enhancement	Out of Scope
13015	Fraud Protection for M-Dot Digital Coupons	<p>Fraud Protection for M-Dot Digital Coupons is available for the current release only (and will not be made compatible with previous ISS45 releases).</p> <p>M-Dot Digital Coupon Fraud Prevention development excluded:</p> <ol style="list-style-type: none"> 1. Support for M-Dot coupons during Pay-At-Pump fuel transactions. 2. Printing coupons on self-checkout terminals.
160250	New Hook for Check Data	New Hook for Check Data is available for the current release only (and will not be made compatible with previous ISS45 releases).
219632	LaneHawk Support for 92U Keyboards	LaneHawk Support for 92U Keyboards is available for the current release only (and will not be made compatible with previous ISS45 releases).
219634	LaneHawk Price Field Support	LaneHawk Price Field Support is available for the current release only (and will not be made compatible with previous ISS45 releases).
219640	New Fields in LaneHawk Connected Message	New Fields in LaneHawk Connected Message is available for the current release only (and will not be made compatible with previous ISS45 releases).

Dependencies

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

FSD Number	Enhancement	Dependencies
12732	Store MTXEPS Receipt Copy Suppression	<ol style="list-style-type: none"> 1. Use of MTXEPS as the EFT interface. 2. Buffer printing enabled.
12741	Online WIC EBT Support	<ol style="list-style-type: none"> 1. StoreNext Connected Payment Interface with MTX OpenEPS payment system version V826.2 or higher (with latest patches installed). 2. Pin pad encrypted for Online WIC EBT. 3. Manual TAC Sequence for Online WIC EBT and required PIN entry configured in ServerEPS. 4. MTX Receipts enabled in the system to correctly display Online WIC EBT messages. <ul style="list-style-type: none"> • General System Parameters – Store\POST\MTX EFT\Use MTX Receipt Data = Yes • General System Parameters – Store\POST\MTX EFT\Customized EFT Messages on Cashier Display = Yes

FSD Number	Enhancement	Dependencies
12874	YOU Technology Interface	<ol style="list-style-type: none">1. Functioning S&H TCP/IP interface (Server, Network Hub, Lane Printer).2. LAN connection for the POS Workstation.3. YOU Technology enabled and configured in ISS45.
13014	M-Dot Free Form Text Support	<ol style="list-style-type: none">1. M-Dot must be enabled and configured within ISS45.
13015	Fraud Protection for M-Dot Digital Coupons	<ol style="list-style-type: none">1. Microsoft .Net Framework V2.0 or greater on the MFS server.2. Connection to M-Dot web-service.



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