



ISS 45

 *Release Notes & What's New*

ISS45 8.1.4.0-050



**ISS45 Release Notes & What's New
Product
Identification**

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Table of Contents

Table of Contents	i
Introduction	1
Dependencies	2
CRD Listing for 8.1.3.2-050	3
6133 – Cashier Accountability Report Enhancement (FO)	3
10095 – Secure Mode Checkout Bank Parameters (FO/POS)	4
Front Office.....	4
POS.....	5
10098 – Support of Rx Type Barcodes (FO/POS/Sys)	6
Front Office.....	6
POS.....	10
System	11
10155 – Enhanced Checkout Bank PLU Pricing (FO/POS).....	12
Front Office.....	12
POS.....	16
10159 – Weight Detail Receipt Omission (FO/POS).....	18
Front Office.....	18
POS.....	18
10160 – Scale Beep on Good Weight (FO/POS).....	19
Front Office.....	19
POS.....	19
10212 – WinPOS Interface to CCTV (FO/POS/Sys).....	20
Front Office.....	20
POS.....	21
Sys	32
10246 – Admin Rights Removal (Sys)	33
10249 – Expanded Manual Entry of Tax Exempt Number (POS)	34
10429 – IBM Keyboard Support (POS).....	35
CRD Listing for 8.1.4.0-050	36
10982 – Loyalty Card Scanning at the Pump (Fuel)	36
10996 – Databar Coupon Support (FO/POS/Sys)	37
Front Office.....	38
POS.....	40

System	45
Other Enhancements.....	46

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 8.1.4.0-050 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.

Dependencies

- Microsoft .Net Framework 2.0 must be installed on the POS to support Databar barcodes (see page 37).

CRD Listing for 8.1.3.2-050

6133 – Cashier Accountability Report Enhancement (FO)

The ISS45 Cashier Accountability Report now displays the Cashier Over \ Short Amounts for each cashier (after the Declaration column).

Note:

The Over/Short Amounts only display when the report is run “per Cashier”.

Cashier Accountability Report										Cash Office Reports					
Slocomb Marketplace 263															
Branch 263															
Current Period															
Cashier Number	Cashier Name	Void Amount	#	Cancel Amount	#	Subtract Amount	#	Return Amount	#	Sales	Float In	Float Out	Acc. For	Declaration	Over/Short
101	KESHIA	0.00	0	0.00	0	0.00	0	0.00	0	539.97	100.00	0.00	639.97	639.97	0.00
102	JERRI W	0.00	0	15.45	11	0.00	0	0.00	0	2,855.98	100.00	-800.00	2,075.98	2,141.25	65.27
103	CAROL	0.00	0	0.28	2	0.00	0	1.19	1	2,892.31	107.40	0.00	2,999.71	2,999.71	0.00
104	CYNTHIA	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
Totals:		0.00	0	21.73	13	0.00	0	1.19	1	6,278.26	307.40	-800.00	5,705.66	5,770.95	65.27

Over/Short Column

10095 – Secure Mode Checkout Bank Parameters (FO/POS)

Automated POS Secure Mode settings can now be controlled at the Checkout Bank level. This feature will allow different groups of linked POS Terminals (i.e. Grocery, Pharmacy, Deli, etc.) to have their own customized Secure Mode settings.

Front Office

Two new fields have been added to the General Tab of the Checkout Banks Maintenance Screen in this release to control automated secure modes on linked POS terminals.

The screenshot displays the 'Checkout Banks' window with the 'General Parameters' tab selected. The window contains the following fields and controls:

- Checkout Bank Group No.: 1
- Description: Front End
- Max percentage of tills to upgrade Simultaneously: 0
- Front End Terminals:
- Price List: (dropdown menu)
- Linked POS | Open Loan Amount | Taxes | **General Parameters**
- Q-File Parameters:
 - q-load Start time: 03:00
 - q-load Frequency: 1
 - q-load Prompt time out: 60
- General Options:
 - PLU Group - Sort By: PLU Description
 - Suppress Receipt Printing: Never
 - Automatic Secure Mode/Sign Off: Secure
 - Number of minutes before automatic secure mode/sign off: (input field)
- Navigation buttons: Back, Forward, Home, End
- Buttons: Cancel, Apply

Two callout boxes highlight new fields:

- Automatic Secure Mode/Sign Off field**: Points to the dropdown menu currently set to 'Secure'.
- Number of minutes before automatic secure mode/sign off field**: Points to the input field containing the value '60'.

Field	Description
Automatic Secure Mode/Sign Off	This field provides the option of changing the POS to Secure mode or to Sign Off when no key is pressed for a predefined number of minutes as defined in the "Number of Minutes Before Automatic Secure Mode" field (below).
Number of Minutes before Automatic Secure Mode/Sign Off.	This field indicates the number of minutes after no key is pressed to lock the POS terminal. The valid range is 0 (disabled default) to 9999. The type of locking method is defined in the Automatic Secure Mode/Automatic Sign-Off field (above).

POS

POS Terminals will now check these fields (at the Checkout Bank level) before using the parameters (with the identical names) defined in at General System Parameter level.

Note:

The Secure Mode General System Parameters are located in the Store \ POST \ Operational \ Secure \ Sign off \ Sign on folder.

10098 – Support of Rx Type Barcodes (FO/POS/Sys)

ISS45 now has the ability to read third-party Rx barcodes and process them into a ticket. The customer's prescription co-pay is then added to the ticket.

Process Flow

- Customer drops off prescription
- Pharmacy creates Rx barcode
- At the checkout POS, the Rx barcode (defined in ISS45 Barcode Programming Maintenance) is scanned
- The receipt is printed showing only the customer's co-pay amount
- Sales, item and customer counts are incremented in the Front Office

Front Office

New Barcode Type Support

The Database Management Folder's Barcode Programming Maintenance application has been modified for this enhancement. To support this enhancement, a new "Pharmacy RX Sale" Barcode Type is now available.

The screenshot displays the 'Barcode Programming' window with the 'Basic Setup' tab selected. The 'Barcode Type' is set to 'Pharmacy Rx Sale'. The 'Basic Setup' section contains the following fields:

Field Type	Field Name	Offset	Length
Field Type 1	PLU Number	1	4
Field Type 2	Rx Number	5	7
Field Type 3	Co-Pay Amount	12	5
Field Type 4	Quantity	17	3
Field Type 5	Fill Number	20	2
Field Type 6	Partial Fill Number	22	2

Other fields in the window include: Barcode Prefix From (300), Barcode Prefix To (999), Barcode Length (24), Description (Pharmacy Items), Reference No (300), and Linked Promotion (0).

An arrow points from the 'Pharmacy RX Sale Barcode Type' label to the 'Barcode Type' dropdown menu.

When the Barcode Type type is set to Pharmacy RX Sale, the following new fields are available on the Basic Setup Tab.

Field	Description
Field Type (1 through 6)	<p>For Barcode Types of “Pharmacy RX Sale”, click the field’s selection arrow and select one of the following eight fields to assign to a barcode field segment: PLU Number, Rx Number, Co-Pay Amount, 3rd Party Pay Amount, Bonus Points, Quantity, Fill Number or Partial Fill Number.</p> <p>Notes:</p> <p>The Field Types must be setup in the order in which they appear in the barcode, which will be validated by ensuring the Offsets are in the proper order. The value in any one Field Type field cannot appear in another Field Type field. A blank Field Type can only appear after all fields in the barcode are populated.</p>
Offset (1 through 6)	<p>Notes:</p> <p>The Quantity field contains the Amount of medication dispensed (i.e. # of pills or ml). The Fill Number contains the refill number (i.e. if refill 2 of 4, “2” is used). The Partial Fill Number is used in the event of full medication amount is not available.</p> <p>For Barcode Types of “Pharmacy RX Sale”, enter the starting position location of the barcode length allocated to the corresponding Field Type (1 through 6).</p> <p>Notes:</p> <p>An offset of “0” indicates the field type is not used. The value in any one Offset field cannot be greater than the value in the Barcode Length field.</p>
Length (1 through 6)	<p>For Barcode Types of “Pharmacy RX Sale” and beginning with the Value Offset (above), enter the number of positions (from the first position) that contain the number, amount or points of the corresponding Field Type (1 through 6).</p> <p>Notes:</p> <p>The value of all Length fields added together cannot be greater than the value in the Barcode Length field. The Offset/Length values for one Field Type cannot overlap with the Offset/Length values for another Field Type.</p>

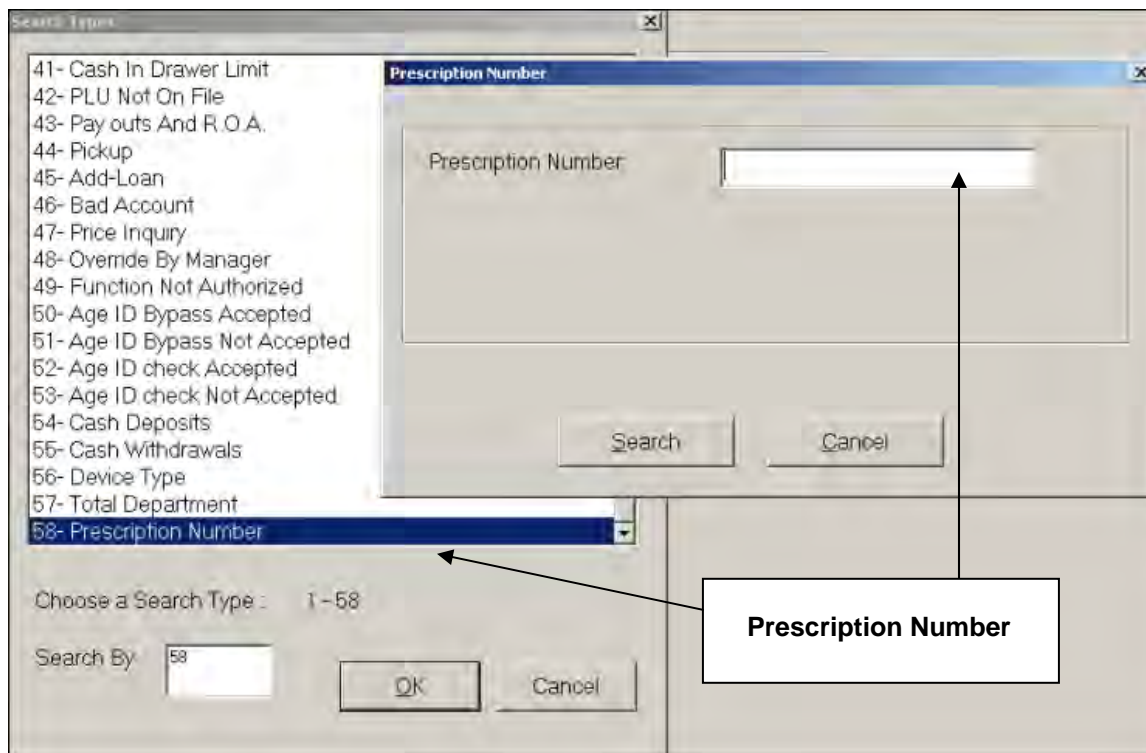
Field	Description
Bookkeeping PLU	Not used in this release.
Linked Promotion	Not used in this release.

PLU Setup

To implement Rx billing support, setup a zero-price PLU flagged for a manual price and attached to the Pharmacy department. This PLU is used to ring the customer's owed portion of the payment when processing the Rx Pharmacy Sale barcode. This is the PLU designated in the "PLU Number" Field Type in Barcode Programming Maintenance (see above). The zero-price will allow the POS to populate the correct co-pay amount as defined in the barcode.

New EJ Search Option

A new "Prescription Number" Search Type has been added the Electronic Journal Search functionality. When the search type (58 – Prescription Number) is selected, a prescription number (up to 10 digits) may be entered to locate all tickets containing the number.



POS

The following is a list of POS modifications found in this release to support this development. New functionality has been added to:

- Read the PLU Number, Rx Number, Co-pay Amount, Quantity, Fill Number and Partial Fill Number from the Rx label and process it in the ticket.

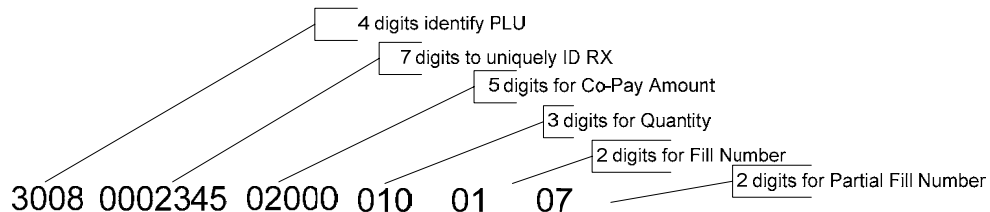
Note:

If the barcode scanned on the POS is not in defined within a range in Barcode Programming, the "Barcode Declined" message will display at the POS.

- Record the Rx number, Quantity, Fill Number and Partial Fill Number in the TLOG.
- Allow voiding of a Pharmacy Rx Sale barcode and record the quantity and price as negative in the TLOG. (Fill Number and Partial Fill Number will not be shown as negative fields in the TLOG).

Sample Barcode

Below is an example of the Rx Sale barcode that may be scanned at the POS:



3008 0002345 02000 010 01 07



30080002345020000100107

System

A new information transaction has been added to support the unique Rx number in the TLOG. The transaction type Opcode is 0x70 0x86. POSTT, a program that displays binary transaction records, has been modified to include the updated TLOG records.

10155 – Enhanced Checkout Bank PLU Pricing (FO/POS)

ISS45 now allows a single UPC to have a different multiple selling unit (MSU), price and department depending on the POS terminal where it is sold. This Enhanced Checkout Bank PLU Pricing feature is integrated with both Price List Maintenance and Promotion Maintenance (allowing Checkout Bank PLU Pricing to be optionally excluded for items that are on Member Promotion).

Note:

Checkout Banks are logical or physical groups of POS terminals used for configuring and reporting purposes. In previous releases, only the item's price could be altered based on its linked Checkout Bank and the linked Checkout Bank's assigned Price List.

The enhancement is beneficial where there are multiple sub-store locations inside of a single store environment. For example, a chain may have three sub-store formats (Grocery, C-Store, and Fuel) at each store location and needs the ability to sell the same item with different pricing structures depending on the location.

With this new feature, an item can be sold at different POS terminals (each linked to a different Checkout Bank) with pricing and department reporting as follows:

POS Terminal 1: Dept No. = 2, Quantity = 4, Price = \$1.55
POS Terminal 2: Dept No. = 10, Quantity = 2, Price = \$.99
POS Terminal 3: Dept No. = 4, Quantity = 1, Price = \$.49

Note:

PLU Movement is still reported under same PLU number.

Front Office

New Price List Maintenance Fields

The Quantity and Department fields have been added to the Price List Maintenance Screen as well as the Price List Tab on both the PLU Maintenance and Fast PLU Maintenance Screens. The PLU Maintenance and Fast PLU Maintenance Screen's Price List Tab also shows the PLU's default (non-Price List) price, quantity and department.

Price List Maintenance

Price List Maintenance

Price List Id:

Price List Description:

Go to: By 'Item ID'

Item ID	Description	Default Price	Price	Quantity	Department	Update Origin	Update Date
1200000013	Pepsi	1.99	2.09			Local	7/24/2008

Quantity Department

PLU Maintenance

PLU Maintenance

Item Number:

Description:

Basic Setup | Parameters 1 | Parameters 2 | Cost and Sales | Promotions | Shelf Labels and OEM | Price Lists

Price: Quantity: Department:

PLU's Default

Price List Id	Price List Description	Price	Quantity	Department
1	Price List 1		02.09	
2	Price List 2			

Fast PLU Maintenance

Fast PLU Maintenance

PLU Number:

Default Pricing Qty and Department

General | Sales | Promotion | Price List

Price: Quantity: Department:

PLU's Default

ID	Description	Price	Quantity	Department
1	Price List 1	2.09	1	
2	Price List 2			

Field	Description
Quantity	Enter the number of items to be sold jointly at the specified selling price. If left blank, the default quantity from the item record will be used.
Department	Enter the department where item sales for this Price List will be reported. If left blank, the default department from the item record will be used.

Note:

The Quantity and Department fields display in Price List Maintenance when either performing "Rapid Entry" Price List Maintenance or when using the View List function.

Note:

The Quantity and Department fields are also maintainable (and display) using PLU Price General Batch Maintenance. A new General Batch Type "Promo Checkout Bank Exclusion" has been added to support Member Promotion Checkout Bank Exclusion.

Note:

Price Lists are linked to Checkout Banks through the Price List field in Checkout Banks Maintenance:

The screenshot displays the 'Checkout Banks' maintenance screen. The 'Price List' field is highlighted with a callout box labeled 'Price List field'. The field contains the value '1 - Price List 1'. Other fields include 'Checkout Bank Group No.' (1), 'Description' (Front End), 'Max percentage of tills to upgrade Simultaneously' (100), and a checked checkbox for 'Front End Terminals'. Below the main form are tabs for 'Linked POS', 'Open Loan Amount', 'Taxes', and 'General Parameters'. Under the 'General Parameters' tab, there are 'Q-File Parameters' including 'q-load Start time' (03:00), 'q-load Frequency' (1), and 'q-load Prompt time out' (60).

New Promotion Maintenance Tab

To exclude Checkout Bank PLU Pricing from affecting items attached to Member (Enhanced, Group and Level) Promotions, a new Checkout Banks Tab appears in Promotion Maintenance.

The screenshot shows the 'Enhanced Promotion' configuration window. At the top, there are fields for 'Promotion ID' (value: 2) and 'Description' (value: Pepsi Prom). Below these are tabs for 'General', 'Setting', 'Checkout Banks', 'Member Card Settings', and 'Loyalty Server'. The 'Checkout Banks' tab is selected. It contains two main sections: 'Available Checkout Banks' on the left and 'Checkout Banks Exclude From Promotion' on the right. The 'Available Checkout Banks' section has a table with columns 'No.' and 'Description' and is currently empty. A callout box labeled 'Checkout Banks Tab' points to this table. The 'Checkout Banks Exclude From Promotion' section has a table with columns 'No.' and 'Description' containing three rows: 1 Front End, 2 Customer Service, and 3 Deli. A callout box labeled 'Excluded Checkout Bank List' points to this table. Between the two tables are four buttons: 'Add >', 'All >>', '< Remove', and '<< All'.

Depending on the setting of the new “Exclude all Checkout Banks by default when creating a new promotion” General System Parameter (see below), items attached to Checkout Banks will either be “included” or “excluded” from promotion discount pricing (by default). Checkout banks can be added or removed from the lists using the **Add>**, **All>>**, **<Remove** and **<<All** buttons.

Note:

This exclusion feature is only supported for Member Promotions Types of Enhanced, Group and Level. Single-Item, Multi-Item promotions, etc. are not supported.

New Parameter

As part of this feature a new parameter has been established. This General System Parameter is located in the Store \ POST \ Monetary \ Member Promotion folder.

Parameter	Explanation
Exclude all Checkout Banks by default when creating a new promotion	When this option is set to “Yes”, all Checkout Banks will be excluded from new promotions. When this option is set to No (Default) all Checkout Banks will be included in new promotions. (This setting also applies to promotions created through General Batches)

Related Parameter

To enable Checkout Bank Pricing, the following General System Parameter located in the Store \ Front Office \ PLU and Batch \ PLU options \ Price List folder must be set to Yes.

Parameter	Explanation
PLU Price Lists in System	This parameter enables the ISS45 PLU Price Lists in the system. This feature enables the user to maintain more than one price per item. The items prices are saved per Price List.

Note:

The Technical Support function "Load/Refresh QDX Files to POS" (which loads or refreshes QDX files to all or selected POS Terminals) now displays the Price List file "PriceLst.qdx" in the File Name list (as File Number 141).

POS

The following flow is now used when determining pricing from a POS terminal:

- 1 Item is entered at the POS Terminal and the application checks to see if the POS Terminal is assigned to a Checkout Bank.
 - If the POS Terminal is not assigned to a Checkout Bank the item will be rung up using the normal logic.
- 2 If the POS Terminal is assigned to a Checkout Bank, the application will check to see if the Checkout Bank is assigned to a Price List.
- 3 If the Checkout Bank is not assigned to a Price List, then the application will check to see if assigned Checkout Bank is included in the Promotion Exclusion List.
 - If the Checkout Bank is not included in the Promotion Exclusion List, any applicable attached promotion discount will be applied and the item will be rung up at the POS Terminal.
 - If the Checkout Bank is included in the Promotion Exclusion List, the item will be rung up at the POS Terminal with no promotion discount.
- 4 If the Checkout Bank is assigned to a Price List, the application will check the item for a Price List.

- If the item does not have any Price List assigned, the application will verify the Checkout Bank settings to see if the item is eligible for any promotion discounts. If the assigned Checkout Bank is not in the Promotion Exclusion List, any applicable attached promotion discount will be applied and the item will be rung up at the POS Terminal.
- If the item does have an assigned Price List the application will check for a Quantity setting equal to or greater than 1.
 - If there is not a Quantity value equal to or greater than 1, the application will use the Default Quantity Value from the Primary Item Record.
- If there is a Quantity Value equal to or greater than 1, the application will divide the Price List price by the Price List quantity and will then check for an Alternate Department Number.
 - If there is not an Alternate Department Record defined the application will use the Default Department Number from the Primary Item Record.
- If there is an Alternate Department Number defined in the Price List, the application will ring the item into that Department Number. Once the Department Number has been determined, the application will look at the Checkout Bank to see if it is included in Promotion Exclusion List.
 - If the assigned Checkout Bank is not in the Promotion Exclusion List, any applicable promotion discount will be applied and the item will be rung up at the POS Terminal.
 - If the assigned Checkout Bank is included in the Promotion Exclusion List no promotion discount will be applied and the item will be rung up at the POS Terminal.

10159 – Weight Detail Receipt Omission (FO/POS)

A new parameter in this ISS45 release will prevent the second detail line from printing under UPC2 items on the customer's receipt. The second receipt line for these items contains the item's weight and price per pound (taken from the PLU file).

This feature will prevent customer confusion if there is a difference between the item's scale price and the item's price in the PLU file.

Note:

This feature is only supported for price embedded UPC2 barcodes. The General System Parameter "Price [] or Weight (x)" located in the Store \ Programmable Barcodes \ Starting Digit 02 folder must be set to "No".

Front Office

New Parameter

As part of this feature a new parameter has been established. This General System Parameter is located in the Store \ POST \ Presentation \ Receipt \ Regular Printing \ General folder.

Parameter	Explanation
Omit receipt details of UPC2 embedded price weighted items	This parameter controls whether price-per-weight details for UPC2 weighted items are displayed on the receipt. If set to Yes, the detail line will not display.

POS

When the new General System Parameter "Omit receipt details of UPC2 embedded price weighted items" is set to "Yes", the POS will omit the printing the detail line for UPC2 items.

10160 – Scale Beep on Good Weight (FO/POS)

To increase the cashier productivity, ISS45 can now issue a beep to acknowledge a good weight has been established on the scale when ringing up weighed and manual-weight items. This feature will allow the cashier to recognize the beep as an accepted item (rather than having to confirm by viewing the cashier display).

In previous releases, when the cashier placed the item on the scale and either entered (or scanned) a PLU or manually entered a department and price per pound, there was no beep from the scale to confirm the acceptance of the item.

Note:

As of this release, this feature is specific to the NCR 78xx family of Scanner/Scales.

Front Office

New Parameter

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

Parameter	Explanation
Audio signal (beep) when scale weight is accepted for NCR 78xx scanner/scale	If set to Yes, an audio signal will be emitted from the scanner when the scale weight is accepted on a NCR 78xx scanner/scale. This beep will be similar to the “item accepted” beep from the scanner.

POS

If the new General System Parameter (above) is set to “Yes” and the POS Terminal’s Scale Type is set to “NCR 7870 Scanner/Scale” (POST Configuration Screen’s WinPOS H/W Tab), the scanner will beep when the scale weight is accepted.

10212 – WinPOS Interface to CCTV (FO/POS/Sys)

ISS45 now interfaces with third-party Closed Circuit TV (CCTV) applications that monitors cashier credibility and helps reduce theft by cashiers in the lanes. WinPOS will gather specific transaction data, convert it to an XML format and transfer it to a third-party database via TCP/IP.

Front Office

New Parameters

As part of this feature new parameters have been established. These General System Parameters are located in the **new** Store \ POST \ Monetary \ CCTV folder.

Parameter	Explanation
Use TCP/IP to a 3 rd Party CCTV Provider	When this parameter is set to Yes, POS transaction data will be sent to a Closed Circuit TV Provider.
TCP/IP Address of CCTV Host Server	This parameter defines the IP address of the Closed Circuit TV host.
Port Number of the CCTV Host Server	This parameter defines the port number for the Closed Circuit TV host connection.

Note:

This feature is controlled a bit on the HASP plug.

POS

Supported Transaction Events and Formats

The following is a list of support POS events and supporting data that is transmitted to a third-party CCTV server:

Event Header

Field Name	Description
Terminal	Terminal which created this string
Operator	Operator number
Authorizer	Manager Code when approval needed (When not needed equals the operator ID)
Time Stamp	Date and Time (YYYYMMDDHHnnss)
Transaction Type	String
Transaction ID	Currently not in use
Status	0 = "Ignore_Param" 1 = "Open" 2 = "Success" 3 = "Cancel" 4 = "Access Denied" 5 = "Fail"

Item Sale & Price Lookup/Inquiry

This event is triggered when an item is scanned or key entered.

Field Name	Description
Till Num	Ticket Number
Item Code	Item's standard code
Description	Item Description
Entry Method	String represents the entry method

	1 = "MANUAL" 2 = "SCANNED"
STD Price	Standard Price
Actual Price	Actual Sale Price
Quantity	Item Quantity
Sales Amount	Item total (Price*Quantity)
Required Age	In case that the item is restricted by age.
Actual Age	The customer's actual age

Cash Tender Transactions

Cash and generic type tenders which don't fall into any other tender bucket.

Field Name	Description
Till Num	Ticket Number
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Transaction amount

Credit Card Tender Transactions

All EFT tenders will be sent using this event type (includes Credit, Gift Cards, Debit, EBT Food Stamps and EBT Cash).

Field Name	Description
Till Num	Ticket Number
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Transaction amount
Card Number	Credit card number (All digits encrypted but the last 4).
Valid Date	Card date-validation
Entry Method	1 = "MANUAL"

	2 = "SWIPED"
--	--------------

Check Tender Transactions

For Check Tender transactions only:

Field Name	Description
Till Num	Ticket Number
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Transaction amount
ABA	Bank and branch number
Account ID	Bank Account Number
Serial	Check Serial Number

Coupon Tender Transactions

All tenders with voucher number will be sent using this event type (includes WIC, non-EBT Food Stamps and coupon tenders).

Field Name	Description
Till Num	Ticket Number
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Coupon Amount
Serial	Coupon Serial Number

Charge Tender Transactions

In house charge and customer account tender types only.

Field Name	Description
Till Num	Ticket Number
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Transaction amount

Account Id	Customer Account ID
Account	Account Name

Item Void and Cancel Item

Item Void events corresponding with Keyboard Function #902 (Subtract Next) and Cancel Item events corresponding with Keyboard Function #901 (Cancel Item).

Field Name	Description
Till Num	Ticket Number
Elements	Number of Items that were void
Item Code	Item's standard code
Description	Item Description
STD Price	Standard Price
Actual Price	Actual Sale Price
Quantity	Item Quantity
Sales Amount	Item total (Price * Quantity)

Price Override

Price Override event corresponding with Keyboard Function #930.

Field Name	Description
Till Num	Ticket Number
Item Code	Item's standard code
Description	Item Description
Entry Method	1 = "MANUAL" 2 = "SCANNED"
STD Price	Standard Price
Actual Price	Actual Sale Price – Override Amount
Quantity	Item Quantity
Sales Amount	Item total (Price * Quantity)

Void Ticket

Void ticket event corresponding with Keyboard Function #900.

Field Name	Description
Till Num	Ticket Number
Amount	Ticket Amount
Reason Code	Not supported
Reason Text	Not supported

Return Item

This event is triggered when an item return type is triggered (not a transaction return).

Field Name	Description
Till Num	Ticket Number
Item Code	Item's standard code
Description	Item Description
STD Price	Standard Price
Actual Price	Actual Sale Price – Override Amount
Quantity	Item Quantity
Refund Amount	Item Refund Total (Price*Quantity)

Member Card Entry

Member Card events corresponding with Keyboard Function #932. (**Note:** - Frequent Shopper is a different event code).

Field Name	Description
Till Num	Ticket Number
Customer ID	Customer ID
Customer Name	Customer Name

Sub Total

This event is triggered when moving from sale mode to tender mode. It can be the result of pressing the **Total** key (or **Enter** key if system parameter is set to accept **Enter** as **Total** key).

Tax and **Tax Amount** fields can be added more than once in the case where more than one tax applies to the ticket sales.

Field Name	Description
Till Num	Ticket Number
Gross Amount	Expected total before promotions
Net Amount	Total Amount Before Tax
Elements	Number of line elements

Tax Line Detail (Multiple records where more than one tax is applied)

Field Name	Description
Tax Name	Tax Description
Tax Amount	Tax Amount

Subtotal and Tax Data

Field Name	Description
Tax Total	Total tax amount – SUM (Tax Amount)
Grand Total	Total Amount including tax.

Tender Correction

Tender Correction events corresponding with Keyboard Function #981.

Field Name	Description
Till Num	Ticket Number

Item Discount

Includes single item promotions and manual discounts (from Discount Maintenance).

Field Name	Description
Till Num	Ticket Number
Item Code	Item's standard code
Discount ID	Discount
Discount Name	Discount description
Discount Value	Discount percentage value
STD Price	Standard Price
Actual Price	Actual Sale Price
Quantity	Item Quantity

Control Check

Events triggered when a control check is executed.

Field Name	Description
Control Check Num	Control check number
Control Check Name	Control check description
Control Check Action	1 = "Warning Only" 2 = "Supervisor Keylock Required" 3 = "Inhibit Activity" 4 = "Manager Keylock Required" 5 = "Ask Yes/No"
Control Check Status	1 = "Accepted" 2 = "Denied"

Supervisor Transaction

Events triggered when a supervisor number is entered at the POS (i.e. when a cashier has invalid privileges).

Field Name	Description
Supervisor Num	Supervisor number
Entry Method	1 = "MANUAL" 2 = "SCANNED"

Department Sale

Events triggered when cashier rings a department sale.

Field Name	Description
Till Num	Ticket Number
Department Num	Department code
Department Name	Dept Description
Actual Price	Actual Sale Price
Quantity	Dept Quantity
Amount	Dept total (Price * Quantity)
Required Age	In case that the dept is restricted by age.
Actual Age	The customer's actual age

Department Void and Cancel Department

Department Void events corresponding with Keyboard Function #902 (Subtract Next) and Cancel Department events corresponding with Keyboard Function #901 (Cancel Item).

Field Name	Description
Till Num	Ticket Number
Department Num	Department code
Department Name	Dept Description
Actual Price	Actual Sale Price
Quantity	Dept Quantity
Amount	Dept total (Price * Quantity)

Return Transaction

Events triggered when a transaction return type is executed.

Field Name	Description
Till Num	Ticket Number
Amount	Ticket Amount
Reason Code	Not supported
Reason Text	Not supported

Department Return

Events triggered when a return is executed to a department.

Field Name	Description
Till Num	Ticket Number
Department Num	Department code
Department Name	Dept Description
Actual Price	Actual Sale Price
Quantity	Dept Quantity

Amount	Dept refund total (Price * Quantity)
Reason Code	Return number
Reason Text	Return description

Ticket Discount

Events triggered by manual ticket discounts only. (No line details provided – only ticket discount total).

Field Name	Description
Till Num	Ticket Number
Discount ID	Discount
Discount Name	Discount description
Discount Value	Discount total value

Frequent Shopper Number Entry

Frequent shopper entries using keyboard function #961.

Field Name	Description
Till Num	Ticket Number
Customer ID	Customer ID

Post Void

Events triggered when keyboard function #928 is successfully executed and a previously completed ticket was voided.

Field Name	Description
Till Num	New Ticket Number
Reference	Original Ticket Number
Recalled Till Num	Original POS number
Amount	Voided ticket total

Department Discount

Events triggered by manual department discounts only.

Field Name	Description
Till Num	Ticket Number
Department Num	Department code
Discount ID	Discount
Discount Name	Discount description
Discount Value	Discount percentage value
STD Price	Department value eligible for discount
Actual Price	Discount value
Quantity	Quantity

Monetary Flow Transactions

Events triggered by:

- Loans
- Pickups
- Receipts
- Payouts

Field Name	Description
Tender Type	Tender ID – Additional tenders may be added due to additional development.
Amount	Transaction amount
Account	Account ID

Non-Monetary Transactions

Events triggered by:

- Save
- Recall

- Start Transaction
- Print Last Ticket
- End Transaction

Field Name	Description
Till Num	Ticket Number

Simple Transactions

The following string types contain only header data:

- Exit WinPOS
- X-Read Report
- Sign On
- Sign Off
- Enter Secure Mode
- Exit Secure Mode

Sys

A wptcpdirect.log file is created when the POST tries to access the IP designated in the General System Parameters.

10246 – Admin Rights Removal (Sys)

To improve system security, ISS45 users are no longer required to log onto Front Office servers as users with administrator rights. The following services can now be started using Local System Accounts (rather than an Administrator login account):

- POS_SRV_MANAGER
- SQL_SERVER
- SQL_SERVER_AGENT

10249 – Expanded Manual Entry of Tax Exempt Number (POS)

ISS45 now supports the manual entry of Tax Exempt Numbers when the General System Parameter “Enable Scanner at Tax Exempt Prompt” (located in the Store \ POST \ Monetary \ Tax folder) is set to “Yes”. In previous releases, when this parameter was set to “Yes”, the Tax Exempt Number could only be scanned when the POS terminal prompted for the Tax Exempt Number.

Note:

The General System Parameter “Omit Tax ID Number Prompt For Tax Exempt” (located in the Store \ POST \ Monetary \ Tax folder) must be set to “No” in order for this feature to work. If set to “Yes”, the Tax Exempt status is set without requiring a Tax ID number.

Note:

A maximum of 19 characters can be key-entered at the “Enter Tax Exempt No.” prompt. The number prints on the receipt and is included in the Electronic Journal.

Note:

Through a user hook, a Tax Exempt Number can be scanned at the POS and validated against the user-maintained central database.

10429 – IBM Keyboard Support (POS)

ISS45 now supports the IBM OPOS 50-Key POS Keyboard. Use the following steps for configuring the IBM keyboard:

- When configuring OPOS, use USB Keyboard A. (Do not select any of the 50-key keyboards listed).
- The OPOS configuration file (KBDKMAP.DAT) must exist in the C:\POS\DLL folder.
- The keyboard must be setup in Keyboard Programming to use the codes assigned to the appropriate keys.
- In the POST Configuration Screens WinPOS H/W Tab, choose “Standard” for the Keyboard Type.

Note:

The two supported keylock positions on the IBM OPOS 50-Key POS Keyboard are “Normal Mode” and “Supervisor Mode”.

CRD Listing for 8.1.4.0-050

10982 – Loyalty Card Scanning at the Pump (Fuel)

In sites using Retailx Loyalty, customer loyalty cards can now be scanned at the pump (or kiosk) to collect fuel promotions.

Pay at Pump Flow

1. [Optional] Customer choose “Pay Outside”
2. Customer scans their Loyalty Card.
3. Customer swipes payment card.
4. Prices rollback at the pump.
5. Customer fuels.
6. Receipt is printed.

Pay at Kiosk Flow

1. Customer chooses “Pay Inside”
2. Customer scans their Loyalty Card.
3. Prices rollback at the pump.
4. Customer fuels.
5. Customer enters the kiosk to pay.

Note:

The General System Parameter “Retailx Loyalty in System” (located in the Store \ Technical \ Retailx Loyalty folder) determines if Retailx Loyalty is enabled.

10996 – Databar Coupon Support (FO/POS/Sys)

Included in this release of ISS45 is the first phase of scanning support for Databar Coupon barcodes. Databar barcodes using the new Databar Application Identifier (AI) 8110 format for coupons will begin replacing traditional UPC5 barcodes on manufacturer coupons starting January 1, 2010 (and many coupons already include the Databar barcode next to the UPC 5 barcode).

Note:

Many new terms are used when discussing Databar coupons, such as “GS1 Company Prefix”, and “Primary Purchase Requirement Code”, etc. These terms are introduced as part of GS1’s Databar Coupon definition and are fully detailed in GS1 documentation. For more information on the Databar format and its standard and optional data elements, please visit <http://www.gs1us.org/>.

Note:

Databar is the new name for the barcodes formerly called “RSS” or “Reduced Space Symbology”. GTIN, or Global Trade Identification Number, is the name given to the new 14-digit numbers that GS1 (the governing body for the various barcodes used in the grocery industry) manages for global product identification.

Note:

Databar coupons are much more comprehensive than traditional UPC5 coupons. The algorithms used to parse Databar coupons are based on GS1 and JICC documents such as *Coupon Application Guidelines Using GS1 Databar.pdf* and *GS1 Databar POS Guide v5.doc* (as well as other industry contacts). In some cases where coupon data is ambiguous or questionable, the POS will prompt the cashier for visual verification and/or manual entry of the coupon and log specific issues within the Winpos.log file.

Note:

Most scanners purchased within the last 6 years are already Databar compatible and most shipped within the past 9 years can be upgraded to support Databar. Retailers should understand their options with the scanners they are currently using and plan to upgrade their scanners as necessary. The scanner must support both the Databar (RSS) Expanded Format and the Databar Application Identifier (AI) 8110 format (for coupons). For interim coupons that contain both UPC 5 and Databar barcode, scanners must be configured to recognize one or the other (but not both). It is left to the retailer to consult with their hardware vendor on exactly what Databar barcode support their scanner systems have and how to properly configure them.

Note:

The handling of UPC 5 coupons will remain unchanged for this and future release. After the interim period for the changeover to Databar coupons has past (currently set for January 2010) and UPC 5 coupons are no longer printed, there will continue to be UPC5 coupons in circulation and many the coupons will have no expiration date. For backwards compatibility, ISS45 will continue to recognize these barcodes and process them as it does today.

Databar Barcode Coupon Example



Front Office

New Parameters

As part of this feature, the following General System Parameters have been established in the **new** Store \ POST \ Monetary \ Coupons \ Databar folder.

Parameter	Explanation
Level of Databar coupon validation	<p>This parameter defines the necessary validation level when an item is purchased with a Databar coupon. Options include None (no validation) and Company prefix (validating the 5-digit company prefix).</p> <p>Note: Family Code validation will not be available for Databar Coupons in this release.</p>
Markdown department for Databar coupons	<p>This parameter specifies the department for reporting Databar coupon sales totals. This parameter is relevant when the Level of Databar coupon validation parameter is set to None (i.e. Databar is not reported as tender).</p>

<p>Prompt Cashier for FS eligibility of Databar coupon</p>	<p>If set to Yes and company prefix validation is used, the cashier will be prompted for FS eligibility of Databar coupon when the same Company prefix exists in a transaction for both FS eligible and non-FS eligible items. If No, cashier will not be prompted.</p> <p>Note: This parameter is not used in this first phase of ISS45 Databar support.</p>
<p>Databar coupon in System</p>	<p>This parameter enables the option of defining Databar coupons in the System. If set to No, Databar coupons will not be recognized.</p>
<p>Use Databar coupon attached item description</p>	<p>If this parameter is set to Yes, the description of the item that was purchased with a coupon will be printed on the receipt for the coupon.</p> <p>Note: If set to "No", the descriptions specified in the General System Parameters "Vendor coupon description" and "Store coupon description" (located in the Store \ POST \ Presentation \ Receipt \ Regular printing \ Coupons folder) will be used (for the respective coupon type).</p>
<p>Validate Retailer Company Prefix for Databar Store coupons</p>	<p>If this parameter is set to Yes, any Databar Store Coupon that does not include a Global Location Number (GLN) that begins with the proper Retailer GS1 Company Prefix will be rejected. If set to No, any Databar Store Coupon that is scanned will be considered a valid store coupon.</p> <p>Note: This parameter is not used for Vendor Coupon validation.</p>
<p>Retailer GS1 Company prefix</p>	<p>When this parameter is defined, any Databar store coupon with a Global Location Number (GLN) that does not begin with the value will be rejected.</p> <p>Note: This parameter is not used for Vendor Coupon validation.</p>

Note:

For proper reporting of manually-entered coupons, the General System Parameters “Department netted on vendor coupon” and “Department netted on store coupons” (located in the Store \ POST \ Monetary \ Coupons \ Accountability \ Department netted folder) must both be set to “Yes”. If bonus coupons are used, the General System Parameter “Department netted on bonus coupon” should also be set to “Yes”.

New Keyboard Function

To support manual entry of non-scannable Databar barcodes, the System Administration’s Keyboard Functions Screen now displays the new “Manual Databar entry” function as Function Number 1438.

The screenshot shows the 'Keyboard Functions' window with a toolbar (Exit, Report, New, Edit, Delete, Find) and a search field. Below the search field is a table of functions. The function 'Manual Databar entry' (Function Number 1438) is highlighted in yellow, and an arrow points to it from a callout box labeled 'Manual Databar entry Keyboard Function'.

Function Number	Description
1064	Send to Q-Buster
1071	DTP CARD TRANSFER
1072	DTP 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	MobiLime Loyalty
1174	PRICE_SHIFT_ONE
1175	PRICE_SHIFT_TWD
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

POS**New Databar Coupon Engine**

To support the scanning of Databar coupon barcodes, a new Databar coupon engine (DataBarEngine.dll) identifies when a Databar barcode is scanned at the POS and parses the barcode data for execution and optional validation (using company prefix and family number).

If the coupon is not valid, the warning message “Invalid Coupon Sale” will appear on the Cashier Display. If the Databar coupon engine determines the coupon is valid, logic based on both existing coupon parameters and the new General System Parameters is implemented.

Existing Coupon Settings and Parameters

Tender Maintenance settings for Tender Types of “Store Coupons” and “Vendor Coupons” will be followed for Databar coupons. In addition, the following existing General System Parameters will be used for coupon validation:

- Maximum coupon face value.
- Control Check to allow more coupons than items.
- Control Check to allow coupons as first item in order.
- Maximum Coupons in Ticket.
- Max amount of Single Vendor Coupon.
- Max amount of Total Vendor Coupons.
- Forgive tax on vendor coupon if food stamps tendered.
- Department netted on Vendor coupon.
- Department netted on Store coupon.
- Group all coupons.

Note:

Databar coupons can be defined as Vendor Coupons or Store Coupons. If it is defined as a Store Coupon, it may also be defined to apply to up to 8 qualifying items. In these cases ISS45 will only apply the coupon to one item each time the coupon is scanned. Therefore, if coupons are allowed for multiple qualifying items, the coupon will have to be scanned again by the cashier in order to get the offer each successive time. If the coupon is rejected, the “Invalid Coupon Sale” message will display.

New Databar Coupon Validation

If the new “Databar coupon in System” parameter is set to “No” and a Databar coupon barcode is scanned or key-entered at the POS, the message “Barcode not defined” will be displayed and the coupon will be rejected.

If the “Databar coupon in System” parameter is set to “Yes”, and the “Level of Databar coupon validation” is set to **Family**, validation will be performed at the both the Company (i.e. Manufacturer) and Family level. If set to **Company prefix**, validation will be performed at the Company level only.

Note:

If a coupon contains a Family Code of "000", no Family Code validation will be performed.

For store coupons, if the "Validate Databar Company Prefix for Databar Store coupons" parameter is set to "Yes, when the scanned Databar store coupon's Global Location Number (GLN) does not match that of the new "Retailer GS1 Company prefix" parameter, the "Invalid Coupon Sale" message will display. If the "Validate Databar Company Prefix for Databar Store coupons" parameter is set to "No", no company validation will be performed on store coupons.

Note:

Databar Coupons can be applied to individual items, group of items or order level total (depending on the structure of the coupon).

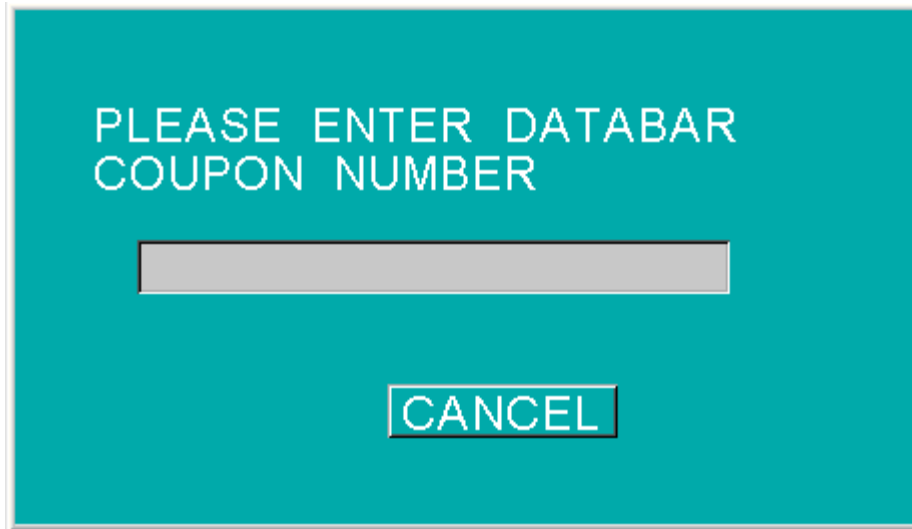
Note:

If the validated coupon can be used on multiple ticket items, the Databar Coupon will be applied so the customer receives the best deal. For "cents off" coupons, the coupon will be applied to the lowest priced qualifying item (unless the coupon amount is more than the item price – in which case the highest priced qualifying item will be used). For "free item" and "percent off" coupons, the coupon will be applied to the highest priced qualifying item.

If there is more than one qualifying item in the ticket, the description of the coupon (printed and displayed) will be from the General System Parameters "Vendor coupon description" and "Store coupon description" (located in the Store \ POST \ Presentation \ Receipt \ Regular printing \ Coupons folder) depending on coupon type – Vendor or Store. However, if there is only one qualifying item in the ticket and the new "Use Databar coupon attached item description" parameter is set to "Yes", the coupon name will inherit the name of the item to which it is attached.

Manual Databar Barcode Entry

When a Databar coupon is unscannable, the coupon can be key-entered by executing the new Manual Databar Entry Keyboard Code. The following prompt displays:

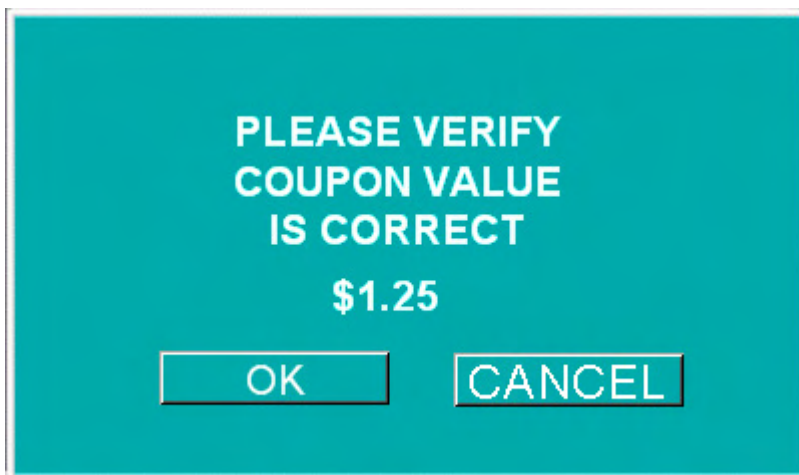


The cashier is only required to enter the company prefix and offer code (between 12 and 18 digits – the only cashier-readable numbers on the coupon). The cashier will then be prompted to enter the coupon amount (and no validation against the items in the order will be performed). If the entered number does not match the required length, the “Invalid number” message displays.

Cashier Intervention

There could be several situations that require the cashier to either verify the coupon or apply the discount manually (usually determined by the coupon data).

When the coupon save value is present and an item is attached, a save amount verification message will appear on the Cashier Display:



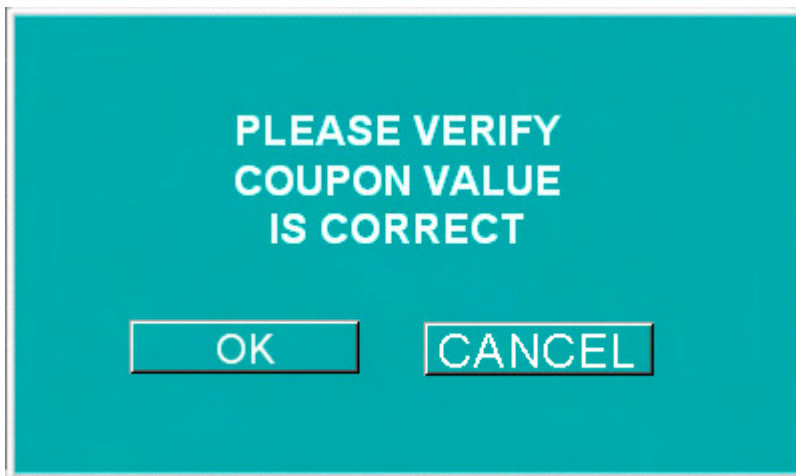
If the cashier presses OK, the coupon amount is applied to the item. If the cashier presses Cancel, the coupon is not added to the ticket and the POS returns to Sale Mode.

When the coupon save value is present but an item is not attached, when OK is pressed a department list will display and the cashier will be prompted to choose a department to which the coupon should be applied.

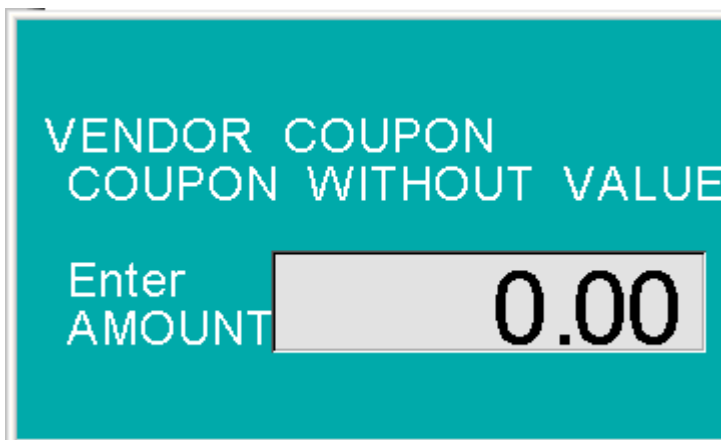
Note:

For a Department List to display, a list must be defined in Vendor Coupon State 90 (for Vendor Coupons) and Store Coupon State 89 (for Store Coupons).

If there is no coupon save value but the item is attached, the following message will appear on the Cashier Display:



If the cashier presses Cancel, the coupon is not added to the ticket and the POS returns to Sale Mode. If the cashier presses OK, a coupon value will be requested:



If there is no coupon save value and no item is attached, the cashier will be prompted to enter both the coupon value and to choose a department to which the coupon should be applied.

New Information Transaction

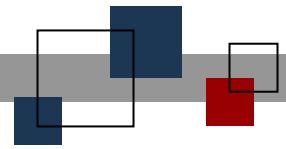
A new TLOG information transaction has been added in this release that holds the data parsed from the Databar barcode (that is not already stored in the coupon record).

System

POSTT, a program that displays binary Transaction File records, has been updated to include the translation of Databar fields from the new information transaction.

Other Enhancements

- WIC Items on the Approved Products List (APL) are now able to be sold on their last day of their eligibility (the APL End Date). In previous ISS45 releases, items were declined for WIC purchasing if the current was the same as the APL End Date.
- A new call in this release communicates the installed version of ISS45 to MTXEPS to assist with Connected Payments upgrades.
- To reduce fraud on credit card transactions, a new registry setting is supported in this release to prompt for the customer's billing address Zip Code as a security measure for pay-at-pump transactions using MTXEPS. (The fuel registry entry is "PromptForZipCode" located under GeneralParameters).



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