



■ *Release Notes & What's New*

■ *ISS45 8.1.8.0-050*

■ *Issue 2*



## ISS45 Release Notes

| Date of Issue   | Product ID Num. | Part Number | Brief Description           |
|---|-----------------|-------------|-----------------------------|
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# Introduction

Enhancements were recently made to the Retailix ISS45 system. The changes are reflected in the accompanying ISS45 8.1.8.0-050 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading.

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) – ISS45 Fuel

(Sys) – System / Services

These enhancements are explained in detail in the following pages and are not included in the latest Office Users Guide, WinPOS User Guide or Office Administrator's Reference. If you have any questions regarding this release, please contact Retailix Support.

**Note:**

**ISS45 Release 8.1.6.0-100 and higher will require a change to the HASP key for Loyalty Sites. The ISS45 system will NOT work with Retailix Loyalty unless this setting is on.**

**Note:**

**ISS45 Release 8.1.7.0-150 and higher requires the S&H / YouTech / Prologic option on the HASP be set. The ISS45 system will not work with the S&H / YouTech / Prologic system unless the setting is on.**

**Note:**

**ISS45 Release 8.1.7.0-150 and higher requires the Self-Checkout option on the HASP be set. The ISS45 system will not work with any Self-Checkout system unless the setting is on.**

## 158192 – New Item Maintenance Logging and Alerts (FO/POS)

ISS45 has new logging and alert checkpoints for the maintenance process on both the MFS and POS in this release. Maintenance errors are now written to both the RSMSrv.log and WinPOS.log and an alert is sent to the Front Office to inform the user of POS maintenance errors.

### Front Office

A new configurable “Maintenance Problem” alert (172) appears in Alert Maintenance that will alert the retailer if there are problems applying maintenance from the MFS to the POS.

The screenshot shows the 'Alerts Maintenance' configuration window. The 'Number' field is set to 172. The 'Alert' tab is selected, showing the following configuration:

- Message: Maintenance Problem
- Severity: None
- Pop-Up Message
- Password Required on confirmation
- Ignore This Alert
- Add to NT Event Viewer
- Timeout between confirmation and re-alert , minutes: 0
- Auto Confirm Alert After 1 Minute

### POS

POS logic has been modified to check with the MFS every .5 seconds for a maintenance file. When maintenance has been received by the POS, add a new log entry is created for the event.

Log entries are created to record the following steps of each maintenance package and Alert 172 is issued when there is a failure.

**Data change is made in the Front Office and sent to MFS SQL**

- Upon completion, log event to RSMSrv.log.
- Upon failure, send Alert 172 to the Front Office and log event to RSMSrv.log.

**Data change is sent to the MFS QDX**

- Upon completion, log event to RSMSrv.log.
- Upon failure, send Alert 172 to the Front Office and log event to RSMSrv.log.

**Large maintenance is created**

- Upon completion, log event to RSMSrv.log.
- Upon failure, send Alert 172 to the Front Office and log event to RSMSrv.log.

**Small maintenance is created**

- Upon completion, log event to RSMSrv.log.
- Upon failure, send Alert 172 to the Front Office and log event to RSMSrv.log.

**The POS checks for maintenance at the MFS**

- Upon completion, log event to WinPOS.log.
- Upon failure, send Alert 172 to the Front Office and log event to WinPOS.log.

**The POS distributes the changes to the POS QDX**

- Upon completion, log event to WinPOS.log.
- Upon failure, send Alert 172 to the Front Office and log event to WinPOS.log.

**Note:**

Prior to a Cold Start on the POS Workstation, a backup the POS transaction file is now made to prevent data loss in the event that offline transactions have been completed and not yet sent to the MFS.

## 221027 – APL Import Tool Enhancements (Sys)

In previous releases, the WIC Link Maintenance application (used to link the store's PLUs for fruit and vegetable items to the state's PLU codes in the state Authorized Produce List) required that a store item being "linked from" was in the item file and the item being "linked to" was in the state's WIC Item (QDX) file. This was problematic in new stores since neither file was necessarily established when linking items.

If the APL import option is enabled to restrict import only to items on file, ISS45 no longer requires the "Link To" item exists in the state WIC Item file but will add any item 5-digits (or less) in length.

**Note:**

The APL import option to turn enable / disable this feature is found in the in the SmartWic.ini file.

```
[SmartWicSetup]
```

```
RestrictImportToItemsOnFile=1
```

If set to 1, only APL items that exist in PLU file are added. If set it 0, all APL items are imported.

## 295151 – Pre-Pay Receipts at the Pump (FO/Fuel)

Using a new parameter in this release, Pre-Pay fuel receipts may now be printed at the pump after the dispensing of fuel. In previous releases, the customer would have to return to the kiosk to either collect their change and receipt or to get a receipt with the specific fuel grade, gallons pumped and price.

**Note:**

This feature is available on Allied (NeXGen or ANDI) forecourt controllers. If dry items are included in the ticket, the pre-pay receipt will display one line item with total amount of dry items purchased.

### 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 \ Fuel folder.

| Parameter                | Explanation   |
|--------------------------|---|
| Pre-Pay Receipts at Pump | This parameter instructs the pump to print a final fuel receipt for a pre-paid transaction after fueling is complete. |

## 303829 – Audible Alert when Pump Handle Lifted (Fuel)

When a pump handle is lifted, ISS45 Fuel now sends a message to the POS to play an alert tone that notifies the cashier that a pump needs to be authorized and provides the opportunity for the customer to be greeted by the fuel attendant through a microphone integrated with the pumps. Once the tone is played, the POS transaction continues (with no intervention or acknowledgement required).

**Note:**

This feature is supported on both Wayne and Gilbarco pumps. The alert is sounded for Pay-at-Kiosk and Pay-at-Pump transactions.

## 305114 – Fuel Discounts by Tender (FO/Fuel)

ISS45 is now able to reduce the price per gallon on a fuel transaction based on the tender selected in the transaction. For example, the retailer may choose to issue a 5 cent discount per gallon on all transactions paid for using a store gift card.

In support of this new feature, a new “Local Segment” field has added to the Tender Maintenance Screen’s Specific 2 Tab.

The screenshot shows the 'Tender Maintenance' window with the 'Specific 2' tab selected. The 'Local Segment' field is highlighted with a red oval. The window includes fields for 'Tender Number' and 'Name', a 'POST Report' dropdown set to 'EPS - EFT', and several tabs: 'Tender Setup', 'Values and C/Cs', 'General Parameters', 'Specific 1', 'Specific 2', 'Template', and 'Open Loan'. The 'Specific 2' tab contains sections for 'Foreign Currency', 'ECCA', and 'Check Printing Parameters'. The 'Foreign Currency' section has checkboxes for 'Foreign currency' and 'Foreign currency change allowed', and a 'Currency rate' field. The 'ECCA' section has a checkbox for 'Use ECCA on this media' and an 'ECCA template' field. The 'Check Printing Parameters' section has checkboxes for 'Print routing number', 'Print check number', and 'Print account number'. The 'Preset Amounts' section contains a grid of 10 input fields. The 'Local Segment' field is located at the bottom right of the main content area. At the bottom of the window are 'OK', 'Cancel', and 'Apply' buttons.

When populated, the segment is sent to LPE to check for any tender-based promotion on that segment. LPE then returns any discounts available for the tender.

**Note:**

This feature is supported for all fuel transaction types (Pay-at-Kiosk, Pre-Pay and Pay-at-Pump) and works in conjunction with other fuel promotions that may be active.

**Note:**

When PumpSrv receives a new promotion flag (LocalSegment[1]) from RouteSrv, it sends the “AddMemeberInfo” message (with local the segment) to the Loyalty Promotion Engine after the start of the ticket before fueling.

**Note:**

Tender Promotion Discounts can be printed on the customer receipt using templates created in ISS45 Templates/Multi Part Receipts Maintenance.

Report format

|   |  |
|---|--|
| HEADER<br>0000000002<br>0000000003<br>SECTION<br>FOOTER | *****<br>You Saved on Tender Seg Promo<br><AMOUNT\$ ><br>***** |
|---|--|

In sites using the Dynamic Receipt Engine (DRE), special TemplateDB.xml and Layout.xml files can be provided in order for Loyalty Promotion descriptions to be printed on the receipt.

## 315030 – Fuel Purchase Limits for Cents Off Vouchers (Fuel)

ISS45 has the ability in this release to limit the number of gallons purchased with a cents-off-per-gallon fuel voucher for both pay-at-pump and pre-pay transactions. As for pay-at-kiosk transactions, the POS issues a ticket-level discount using the lesser of the volume pumped or the maximum volume limit for the voucher.

In prior releases, there was no limit to the number of gallons that could be dispensed at a reduced price when a cents-off-per-gallon fuel voucher was used (making fuel limits specified on the voucher unenforceable).

**Note:**

An Allied Controller (ANDI / NeXGen) must be in use for this feature to be utilized. If the registry setting "LimitsHandlingByCL" is set to "0", Allied calculates the value and volume limits for pay-at-pump and pre-pay transactions. If set to "1", Retalix performs the calculation to apply the lowest value limitation to the pump. If set to "2", Retalix performs the calculation to apply the lowest volume limitation to the pump

**Note:**

The Maximum Weight field in the Enhanced Promotion Screen's Setting Tab will continue to be used as the threshold for the maximum number of gallons that can be pumped using a cents-off fuel voucher. (Continue to set the Group Type to "Weighted/Decimal" and the Reward Type to "Amount of per Pound")

## 315528 – Pre-Pay Change Returned to Credit Card (FO/POS)

ISS45 is now able to issue change on a pre-authorization credit card fuel transaction back to the credit card after fueling of the pre-pay is finished. This feature eliminates having to return cash change to customer on credit card transactions.

Previously when the customer returned to the cashier for change, the cashier recalled the pre-pay transaction and pressed Total. The POS automatically then finished the sale and issued the change amount as a cash tender. If the customer did return for change, the unused dollar amount was reported to an uncollected change department and the full pre-paid amount was charged to the customer's credit card.

**Note:**

Pre-authorization is only supported by Connected Payments (and not by WinEPS). Version 828.1 (or higher) is required.

### 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 \ Fuel folder.

| Parameter  | Explanation   |
|--|---|
| Use Pre-Authorization for Credit on Pre-Pay ticket | This parameter allows the POS to issue a pre-authorization for a credit card payment on a pre-pay fuel ticket. The POS will then complete the pre-authorization when the pre-pay ticket is recalled for finalization. ( <b>Note:</b> This feature requires proper configuration within Connected Payments). |

### POS

When the new General System Parameter "Use Pre-Authorization for Credit on Pre-Pay ticket" is set to 'Yes', the POS supports the following flows for prepaid fuel tickets:

**Prepay / Manual Recall at POS**

1. Cashier starts pre-pay ticket.
2. Customer tenders with a credit card.
3. POS submits a pre-authorization for the full pre-pay amount.
4. POS authorizes pump for full pre-pay amount.
5. Customer pumps the full pre-paid amount or an amount less than the pre-paid amount.
6. Customer returns to POS for printed receipt. (**Note:** If there is a problem with the pump receipt or the receipt-at-pump feature is not used, the customer must return to the cashier for a printed receipt.)
7. Cashier recalls pre-pay transaction into a new ticket.
8. Cashier presses Total.
9. POS prints final receipt and completes the credit authorization for the actual pumped amount.

**Prepay / Automatic Recall at POS**

1. Cashier starts pre-pay ticket.
2. Customer tenders with credit card.
3. POS submits a pre-authorization for the full pre-pay amount.
4. POS authorizes pump for full pre-pay amount.
5. Customer pumps an amount less than the pre-paid amount.
6. Customer does not return to POS for a printed receipt.
7. POS recalls the pre-pay transaction in the background and completes the credit authorization for the actual pumped amount.

**Note:**

If multiple tenders are used for the pre-pay amount, tenders will be processed in the order that they were received. Once the ticket total has been satisfied, any remaining tenders will be cancelled or returned as cash change to the customer (except for credit card tenders).

**Note:**

A void of the pre-pay ticket or credit card tender before fueling will cause the pre-authorization to be cancelled.

## 339187 – Customer Display Change for EBT (FO/POS)

When enabled a new General System Parameter will prevent EBT balances from displaying on the customer display (in tickets tendered with EBT SNAP and EBT Cash) to better protect the customer's privacy.

### 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 All EBT Receipt/Display Balances | When set to "Yes", this parameter prevents EBT Cash and EBT Foodstamp balances from displaying on the cashier/customer display and printed denial slip. |

### POS

When the new General System Parameter "Suppress All EBT Receipt/Display Balances" is set to 'Yes', EBT balances do not display to the cashier or the customer in tickets tendered with EBT SNAP and EBT Cash.

## **346040 – Virginia Online WIC EBT (FO/POS)**

ISS45 now supports Online WIC EBT (a.k.a. “eWIC”) for the state of Virginia

### **Front Office**

The state code for Virginia may now be configured in the Front Office. The APL file is processed using the state code “VA”.

### **POS**

If the Virginia state code is configured for eWIC in the Front Office, the POS implements operating rules (similar to the state of Michigan) when tendering with eWIC.

## 377589 – New Retailx Loyalty Parameter (FO/POS)

A new parameter in this release provides more flexibility in handling promotion coupons in sites where Retailx Loyalty is enabled.

### Front Office

#### New Parameter

The following new General System Parameter is located in the Store \ Technical \ Retailx Loyalty folder.

| Parameter   | Explanation  |
|---|--|
| Accept Promotion Coupons at any time during Itemization | When set to “No”, a promotion coupon is accepted only if other promotion terms are met or after “Total” is pressed. When set to “Yes”, the promotion coupon is accepted any time during itemization. |

### POS

When the new General System parameter “Accept Promotion Coupons at any time during Itemization” is set to “Yes”, promotion coupons can be entered into the ticket at any time prior to total. If set to “No”, coupons are only accepted after the ticket is totaled (or after promotion requirements have been met).

## 382458 – Databar Family Code Validation (FO/POS)

The Databar coupon engine has been modified in this release to validate the Family Code for Databar coupons. In previous releases, coupon validation was only performed on the 5-digit company prefix (when enabled).

**Note:**

The Family Code is assigned by the owner of the primary GS1 company prefix and used for validation of the qualifying purchase items.

### Front Office

#### Modified Parameter

The following existing General System Parameter (located in the existing Store \ POST \ Monetary \ Coupons \ Databar folder) has been modified to support two new Family Code validations.

| Parameter                          | Explanation   |
|------------------------------------|---|
| Level of Databar coupon validation | This parameter defines the necessary validation level when an item is purchased with a Databar coupon. Valid types include: <b>Company Prefix</b> or <b>Family Code</b> . |

### POS

The POS now executes the following logic when validating a Databar coupon prior to acceptance.

If the “Level of Databar coupon validation” is set to “Family Code”, the coupon is only allowed if there is an exact match with the item’s Family Code.

## 382497 – Stacked Fuel Rewards (Fuel)

ISS45 Fuel now permits a customer to manually enter the value of the reward they would like to use for “cents off per gallon” fuel promotions where the selection is based on what has accumulated (i.e. “stacked”) in the member’s account.

### Note:

When PumpSrv receives a "Manual Entry Allowed" response from the Loyalty Promotion Engine (LPE), a new screen discount prompts the user to choose the cents off per gallon. When fueling is complete, PumpSrv sends LPE the item price, item net price and total reward amount.

### Notes:

A member card must be required for the promotion to trigger. If maximum reward limits are in place for the points promotion, regardless of the amount available in the member account, the customer can use no more than a set amount per gallon in a single transaction.

For pay-inside transactions where the member card is presented after fueling is completed, the reward amount of the promotion is determined by the Loyalty Promotion Engine based on full amount available in the member account.

### Note:

Rewards issued can be printed on the customer receipts using templates created in ISS45 Templates/Multi Part Receipts Maintenance.

Report format

|   |   |
|---|---|
| HEADER<br>0000000002<br>0000000003<br>SECTION<br>FOOTER | <pre> ***** You Saved on Stacked Promo &lt;AMOUNT\$ &gt; ***** </pre> |
|---|---|

In sites using the Dynamic Receipt Engine (DRE), special TemplateDB.xml and Layout.xml files can be provided in order for Loyalty Promotion descriptions to be printed on the receipt.

## **382506 – EBT WIC Eligible Benefits Only Parameter Removal (FO/POS)**

The General System Parameter “Display Eligible Benefits Only” (located in the Store \ POST \ Operational \ Wic \ EBT WIC folder) has been removed in this release. All benefit prescription data for beginning and ending balances now print in sites using EBT WIC (a.k.a. Smart Card WIC) whether the balances are zero or not.

## 384655 – Manual Discount Function Change (FO/POS)

A new General System Parameter in this release controls how the Retailix Loyalty Manual Discount Keyboard Function (1412) issues discounts on items sold using the Quantity Key. The Keyboard Function sends the previous line item in the ticket to the Loyalty Promotion Engine for a loyalty discount. If the new General System Parameter is enabled and the function is used on a line item sold using the Quantity key, each of the items will receive a loyalty discount. For example, if the function is used on a line item sale “3 Qty”, PLU “123” (\$2.00 price), and a discount of 10% is used, a \$0.60 discount will be applied. If the new parameter is set to “No”, \$0.20 would be discounted (applying the discount to the last of the 3 items).

### New Parameter

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

| Parameter  | Explanation   |
|--|---|
| Support Manual Discount for Quantity Sale of Unit-Priced Items | This parameter allows a Retailix Loyalty Manual Discount to be applied to all non-MSU items sold using the QTY key. |

### Note:

There is no change to how Keyboard Function 1412 is used for Multiple Selling Unit (MSU) items (a.k.a. split pricing). The POS discounts the price of the last item when the Keyboard Function is used. For example, if a 10% used on an a line item selling 3 @ 3 for \$1.00 and the last item sells for \$0.33 (based on the General System Parameter “MSU rounding option” located in the Store \ POST \ Operation \ Scanning folder), the discount will be \$0.03.

## 384665 – Multi-Tenant Support for Connected Loyalty Reporting (FO)

Connected Loyalty reporting is now supported as a multi-tenant service in sites upgrading to this version of ISS45.

In support of this feature, the ReMA LoyaltyProvider.DLL has been modified to use a new General System Parameter to establish the chain ID for the store. The configuration files impacted are `tfrema.exe.config` and `RSMDispatcher.exe.config`.

### New Parameter

The following General System Parameter has been added to the Store \ Technical \ Retailx Loyalty folder.

| Parameter                | Explanation   |
|--------------------------|---|
| Retailx Loyalty Chain ID | The parameter establishes the Chain ID of the store for Connected Loyalty Reporting purposes. If left blank, the Chain ID will be set to 1 in the configuration file. |

#### Note:

Please contact Retailx for more information on the cloud-based implementation of the Connected Loyalty.

## 387419 – New XML Fields for IVR Survey (POS)

In previous releases, the XML text sent to the Dynamic Receipt Engine (DRE) for printing the IVR (Interactive Voice Response) survey included only the Store Number and Voucher Number. The XML text now includes data from the following General System Parameters located in the Store \ POST \ Presentation \ Retailer Information \ Retailer Information 2 folder.

- Retailer Information Line 1
- Retailer Information Line 2
- Retailer Information Line 3
- Retailer Information Line 4
- Retailer Information Line 5

**Note:**

The XML data sent to DRE can be seen in C:\ Program Files \ Retailix \ Dynamic Receipt \ Log \ posTransaction.xml.

**Note:**

In sites not using DRE, these fields can be included in the \_IVR\_SRVY template for printing on the receipt.

## 387450 – Control Report Summary Line Option (FO)

A new “Summary” report option in this release allows the Control Report to generate a summary line that sub-totals each tax rate in the range. The Detail and Summary options appear as a Control Report selection.

The screenshot shows the 'Control Report' dialog box. On the left, there are three main sections: 'Online', 'Period', and 'By Range'. The 'Online' section has a radio button selected. The 'Period' section has radio buttons for 'Day', 'Week', 'Month', and 'Year'. The 'By Range' section has 'From' and 'To' date pickers, both set to 11/22/2013. Below these is a text box with the instruction 'Select one of the reporting periods - Online, Period, By Range.' At the bottom are four buttons: 'Schedule', 'Preview', 'Print', and 'Close'. On the right side, there is a 'Report Type' section with two radio buttons: 'Detail' (selected) and 'Summary'. A white callout box with the text 'New Report Type selection' and an arrow points to the 'Summary' radio button.

In previous releases, the Control Report reported taxable sales, tax amount, tax exempt sales and tax exempt amount for each tax rate, for each day in the date range. This same “Detail” report will be the default selection.

| <b>Control Report</b>                          |             |               |           |                |              |
|--|-------------|---------------|-----------|----------------|--------------|
| My store name                                  |             |               |           |                |              |
| Branch   | 1           |               |           |                | Store Totals |
| <b>Summary</b> From: 01/22/2013 To: 11/22/2013 |             |               |           |                |              |
| Grand Total                                    |             | 16,356,103.55 |           |                |              |
| Total Sales (Net)                              |             | 51,173.05     |           |                |              |
| Total Daily Gross Sales                        |             | 51,328.41     |           |                |              |
| Tax No.  | Description | Taxable Sales | Local Tax | Taxable Exempt | Tax Exempt   |
| 1  | Tax One     | 9,525.39      | 762.84    | 0.00           | 0.00         |
| 2  | Tax Two     | 18.51         | 1.67      | 0.00           | 0.00         |
| 3  | Tax Three   | 0.00          | 0.00      | 0.00           | 0.00         |

Summarized Tax Rate Totals

| <b>Totals:</b>           |           |
|--------------------------|-----------|
| Refunded Tax             | -7.98     |
| Net Daily Sales Discount | 50,923.05 |
| Non-Merchandise Dep.     | 250.00    |
| Total Sales              | 51,173.05 |
| Number Of Customers      | 1,618     |
| Sales per Customer       | 31.63     |
| Number of Items sold     | 19,269    |
| Avg. Items per Customer  | 11.91     |
| Sales per Item           | 2.66      |
| Food Stamp Total         | 536.69    |
| WIC Total                | 0.00      |
| Non Netted Promotions    | 2.25      |

|                               |           |        |      |
|-------------------------------|-----------|--------|------|
| Run On: 11/22/2013 at 3:24 PM | By: ADMIN | Page 1 | Of 1 |
|-------------------------------|-----------|--------|------|

## 388183 – Forced Receipt Printing for ECC Tenders (FO/POS)

A General System Parameter in this release provides the option to force the printing of the store copy receipt on all Electronic Check Conversion (ECC) transactions handled by Retailix Global Payments. This parameter will override the setting of the existing General System Parameter "Suppress Store Copy Receipt for Non-Signature MTX Transactions" for ECC tenders only. In previous releases, if this parameter was to "Yes" and the existing General System Parameter "Use MTX Receipt Data" was set to "Yes", ISS45 suppressed the store receipt from printing.

### New Parameter

The following General System Parameter has been added to the Store \ POST \ MTX EFT folder.

| Parameter   | Explanation  |
|---|--|
| Force Store Copy Receipt for ECC MTX Transactions | This parameter is set to "Yes", the system will force the store copy receipt for ECC tenders to print (overriding the "Suppress Store Copy Receipt for Non-Signature MTX Transactions" parameter). |

## **401801 – Support for WIC Programs with Cost Plus (POS)**

Cost-Plus is a feature that allows the retailer to list specified items at a base price and add a percentage surcharge to the ticket for all Cost-Plus items. The surcharge is reported to two designated departments based on the taxability of the items. The surcharge percentage is determined by ticket total and can be configured to be a different value as new ticket total thresholds are met.

### **SmartCard and On-line WIC – Before Enhancement**

Previous to this enhancement, when tendering with SmartCard WIC or Online WIC, ISS45 does not include Cost Plus amounts on WIC items when reporting sales to WIC agencies. The submitted total includes the Cost Plus amount but the individual items do not. This allows the customer to pay the entire WIC total, but causes the store to not be reimbursed for the full amount of the items plus the Cost Plus amount.

### **Paper WIC – Before Enhancement**

Currently when executing a ticket in WIC mode to be paid with Paper WIC and the menusys.mac is configured to show the full ticket amount when Paper WIC tender type is chosen, the Balance Due amount does not include the Cost-Plus amount. After paying the available amount with Paper WIC tender, the remaining balance cannot be paid.

### **Paper WIC – After Enhancement**

Balance due of the Paper WIC transaction will now include the Cost Plus amount which is also the same amount which can be tendered to the WIC check.

### **SmartCard WIC – After Enhancement**

The Balance due will now include the Cost Plus amount. The amount available to be tendered with SmartCard WIC is the pre-tax total of all SmartCard WIC-eligible items in the ticket, including Cost Plus amounts for those items. Cashier completes SmartCard WIC tender and any remaining non-WIC items are paid for with another tender. The T-Log reflects the correct amount including the Cost Plus amounts in each EBTWIC ITEM record (0x70-0x99-0x02) and in the EBTWIC TTL record (0x70-0x99-0x08.) The resulting claim file generated from this T-Log will

also reflect the correct amounts for individual WIC items and ticket totals. The resulting claim file generated from this T-Log will also reflect the correct amounts for individual WIC items and ticket totals.

Regarding individual WIC item claim records, in the event that multiple sales of the same item result in a rounding error, the multiple-sale WIC record will be split into individual, single-item records with the pricing split according to current ISS45 MSU item rules.

## On-Line WIC

The Balance Due now reflects the ticket total, including Cost Plus amounts and tax amounts. The Amount available to be tendered with On-Line WIC is the pre-tax total of all On-Line WIC-eligible items in the ticket, including Cost Plus amounts for those items. Any remaining non-WIC items are paid for with another tender. The T-log reflects the correct amount, including the Cost-Plus amount, in each EWIC ITEM record (0x70-0xF3-0x02) and in the EWIC TTL record (0x70-0xF3-0x08.) The resulting PS Data generated from this T-Log will also reflect the correct amounts for individual WIC items and ticket totals. This information can be located in the MTX journal file.

Assumptions with this enhancement

- No extra information will be added to the POS receipts for this development.
- There are rounding anomalies that are inherent to the Cost-Plus feature since the Cost-Plus amount for a ticket is calculated based on a total of all Cost-Plus items in the ticket. This cost-plus amount is then being apportioned across multiple items in the ticket for the purposes of reporting to WIC. These rounding errors are being added to the WIC items so that the individual WIC items in the claim add up to the same WIC total reported in the claim.
- The reporting of Cost-Plus amounts to taxable and non-taxable departments will not be changed for this development, regardless of whether the tax was forgiven on the item due to WIC tax-forgiveness.

## 401803 – Custom Loyalty Member Cards (FO/POS)

ISS45 is now able to flag and write custom loyalty cards to the TLOG that are scanned at the POS for enrolling into the Living Naturally Loyalty Program. Once written, this data can be extracted and sent to the host (in the Loyalty Genius Transaction Data XML File – see above) for populating the customer database.

**Note:**

Customers cards scanned are validated using existing ISS45 Card Range Maintenance functionality. Once the customer number has been added to the central database, additional customer enrollment data can be updated at the host. The customer record is then sent to the stores to be imported into the ISS45 member card database using General Batches.

### 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 \ General folder.

| Parameter                          | Explanation  |
|------------------------------------|--|
| Enable Custom Loyalty Card Feature | When set to “Yes”, loyalty member cards scanned at the POS (but not in the member database) will be flagged and written as a new customer in the TLOG. |

### POS

If the new General System Parameter “Enable Custom Loyalty Card Feature” is set to ‘Yes’, when a Living Naturally Loyalty card number entered into a ticket is not in the local database, the POS sets a new customer bit in the 0x60 0x3B (TRS\_CLUBCARD\_EXT) transaction record in the TLOG and writes the custom loyalty number to the new 0x80 0x1A transaction (at the end of the ticket).

The POS also supports the following events in tickets where Living Naturally Loyalty Cards have been entered:

- Member card voids

- Cancelled tickets
- Suspended and recalled tickets
- Ticket recovery after power failure
- Manual entry of member card number

**Note:**

For member card voids and cancelled tickets, the 0x80 0x1A transaction will not be written to the TLOG

## 401804 – XML Extract for Living Naturally (Sys)

The ISS45 Trickle Feed mechanism has been enhanced in this release to facilitate creating an export file during end-of-day processing containing transaction data for the Living Naturally Loyalty host system.

When enabled, a custom TF\_PARAM.XML file is created during end-of-day and a new hook application (LNTlogRef.exe) reformats the XML file into the (Living Naturally Loyalty Genius) XML format.

### Note:

The new LNHUK.bat file is a hook batch file used to call the LNTlogRef application. The C:\PCMASTER\e-of-day.bat file must be modified to add a call to the LNHUK.bat file during end-of-day processing.

Add the following lines (in **bold**) to the e-of-day.bat file (below the preceding section listed):

```

.*****
.
echo Call to TFServer to run its EOD process | pcmlog32 /macro2
TFServer /EOD
cls
txtfile #e-of-day.bat #21 #TFSRVEOD #8
:TFSRVEOD
.*****
rem Living Naturally export
.*****
echo Call LNHUK.bat to run its EOD process | pcmlog32 /macro2
if exist LNHUK.BAT call LNHUK.BAT
cls
txtfile #e-of-day.bat #21 #LNHUK #8
:LNHUK
.*****

```

### Note:

The new LNTlogRef.exe.config file is used as a configuration file for the LNTlogRef.exe application.

The LNTlogRef.exe application creates the tran.xml file and places it in C:\PCMASTER\LIVINGNATURALLY folder. For archiving and future reprocessing (if needed), the Trickle Feed extract file (TREODyyymmdd.xml) is moved to the C:\PCMASTER\LIVINGNATURALLY\History folder and the tran.xml is copied to C:\

PCMASTER \ LIVINGNATURALLY \ History folder (and renamed using the **tran.xml**yyyymmdd convention).

The LG Transaction Data XML File format has the following header and detail layout:

#### XML Root Node <GroupHeader/>

| Field      | Use      | Notes                     |
|------------|----------|---------------------------|
| DataFile   | Required | Value = "TRAN"            |
| AdapterVer | Required | Version of the adapter    |
| ConfigVer  | Required | Version of the XML Schema |

#### XML Child Node <TransactionHeader/>

| Field           | Use      | Notes  |
|-----------------|----------|--|
| TransactionDT   | Required | [YYYY-MM-DDThh:mm:ss] Date and time of transaction.  |
| StoreNum        | Required | Identify store where the transaction took place.   |
| TerminalNum     | Required | Identify terminal where the transaction took place.  |
| Currency        | Required | 3 character ISO Currency Code.   |
| CardID          | Required | Loyalty card number (14 digit Code 128 Barcode)  |
| MemberNum       | Optional | Additional Key used for systems without a CardID relationship between transactions and customers |
| ReceiptNum      | Required | Unique number assigned by the POS system for this transaction.                                   |
| PaymentType     | Optional | Code indicating how the customer paid (cash/check/ credit card/on account/etc)                   |
| TotalRetailDols | Required | Total Dollars Before Total Tax Dollars   |
| TotalTaxDols    | Required | Tax Dollars Only.  |
| TotalUnits      | Required | Number of units purchased  |
| TotalLines      | Required | Number of transactional entries on receipt   |

#### XML Child Node <TransactionDetail/>

| Field           | Use      | Notes  |
|-----------------|----------|--|
| ProductCode     | Required | Unique ID for product. Must be value scanned by POS system. Must also be value that relates to the Product data. |
| UPC             | Required | Universal product code   |
| SKU             | Optional | Stock Keeping Unit   |
| ItemDescription | Optional | Product Description  |
| ItemCategory    | Optional | Product Category   |
| Quantity        | Required | Number of Units Purchased  |
| Cost            | Optional | Last cost (Wholesale)  |
| Retail          | Optional | Normal retail price per each   |
| ExtRetail       | Required | Quantity X Retail  |

## 401805 – Serialized Coupon Support (FO/POS)

ISS45 now supports the tendering of serialized coupons (i.e. a 15-digit EAN 128 barcode coupons uniquely issued to a customer by the Living Naturally Loyalty Program).

**Note:**

Customers may receive “one use only” coupons via email, text message or as paper mail. The barcode contains the customer number, amount or transaction-level discount and an expiration date.

### Front Office

#### New Parameters

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

| Parameter                       | Explanation  |
|---------------------------------|--|
| Enable Serialized Coupon        | When set to “Yes”, the POS is able to accept Serialized Coupons as a tender in Tender Mode.  |
| Serialized Coupon Tender Number | Select the tender to use for reporting serialized coupons that are redeemed at the POS. ( <b>Note:</b> In Tender Maintenance, the Tender Number must be between 1 and 25 and the Tender Type must be set to “Cash”). |

#### New Keyboard Function

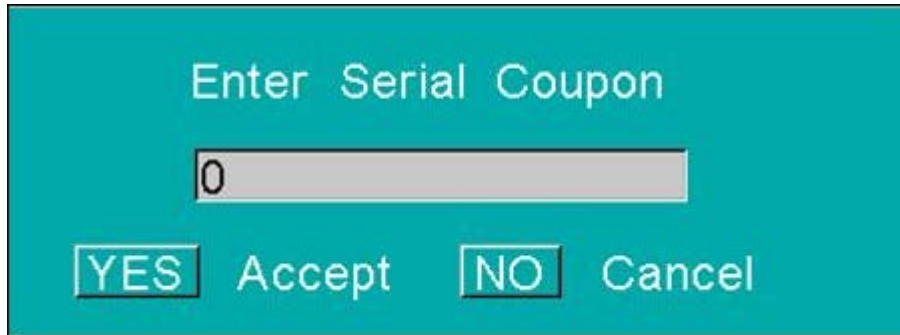
Keyboard Function 1462 (Serialized Coupon) has been added in this release for the scanning of a Serialized Coupon in Tender Mode.

**Note:**

It is the store’s responsibility to add Keyboard Function 1462 to the Menusys.mac/xml file for cashier selection in Tender Mode at the POS.

## POS

When the new General System Parameter “Enable Serialized Coupon” is set to ‘Yes”, serialized coupons can be scanned by calling the new Keyboard Function 1462 in Tender Mode (before any other tenders are accepted).



Enter Serial Coupon

0

YES Accept NO Cancel

The coupon is then applied to as much of the sale as can be redeemed before other tenders are accepted. (The coupon tendered pays for any tax due on the discounted amount.)

**Note:**

Coupons are validated and redeemed locally through a SQL table (populated with serial coupon numbers via Retailix HQ) using FC messaging. At tendering of the coupon, the POS sends a message to the Front Office that the coupon status should be updated to a “Pending” status. At the end of the ticket, for any coupons validated and applied to the ticket, the POS sends a message to the Front Office that the coupon status should be updated to “Redeemed”. The SQL table is then updated with redemption details. If the ticket is cancelled after the coupon is validated or if the coupon is validated but then voided before the end of the ticket, the “Pending” coupon returns to an “Unused” status.

**Note:**

The coupon cannot be tendered for more than the transaction amount due. If the coupon has a \$10.00 value and the ticket total is \$8.00, only \$8.00 can be applied to the sale. No change is given.

## Error and Informational Messaging

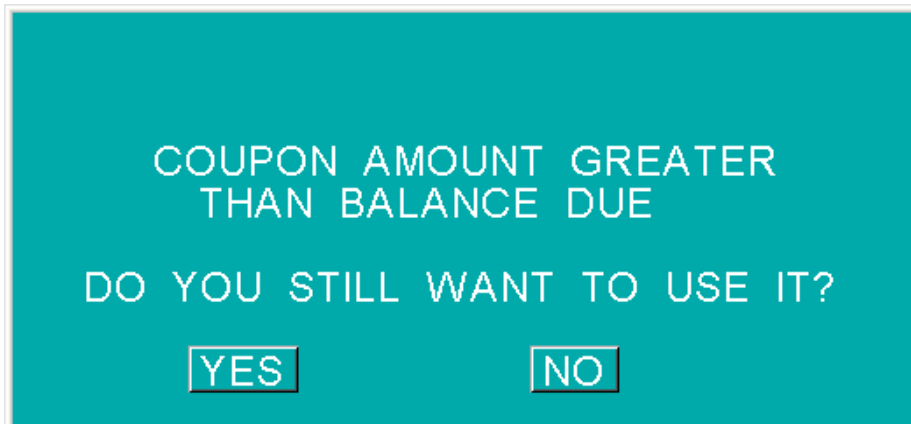
The following serial coupon processing error messages will appear on the POS based on their accompanying scenario:

- When Keyboard Function 1462 is executed and the General System Parameter “Enable Serialized Coupon” is set “No”, the “**Serial Coupon Interface Not Enabled!**” will display.
- When Keyboard Function 1462 is executed and the General System Parameter “Serialized Coupon Tender Number” has not

been established, the **“Serial Coupon Tender Not Configured!”** message will display.

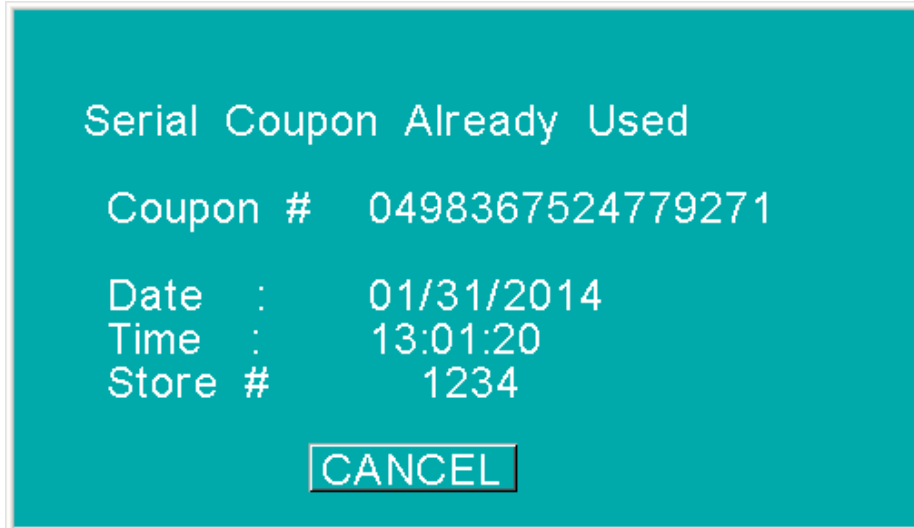
- When Keyboard Function 1462 is executed and the General System Parameter “Serialized Coupon Tender Number” has been established with a tender type other than “Cash”, the **“Serial Coupon Tender is not Cash Type!”** message will display.
- If the POS is offline to the MFS when processing a serialized coupon, the **“POS is Offline!”** message will display.
- When Keyboard Function 1462 is executed and the POS is not in Tender mode, the **“Serial Coupon Only Allowed in Tender Mode!”** message will display.
- If there is an error processing the coupon, the **“Error Selling Serial Coupon!”** message will display.
- If the serialized coupon is not found in the database, the **“Invalid Serial Coupon!”** message will display.
- If other tenders have been accepted before a serialized coupon is attempted to be tendered, the **“Serial Coupon Tender Must Be First in Ticket!”** message will display.

If the amount of the Serialized Coupon exceeds the ticket total, the coupon will be redeemed for the ticket amount (not the full available value of the coupon). In this case, the following warning question will be shown to the cashier.

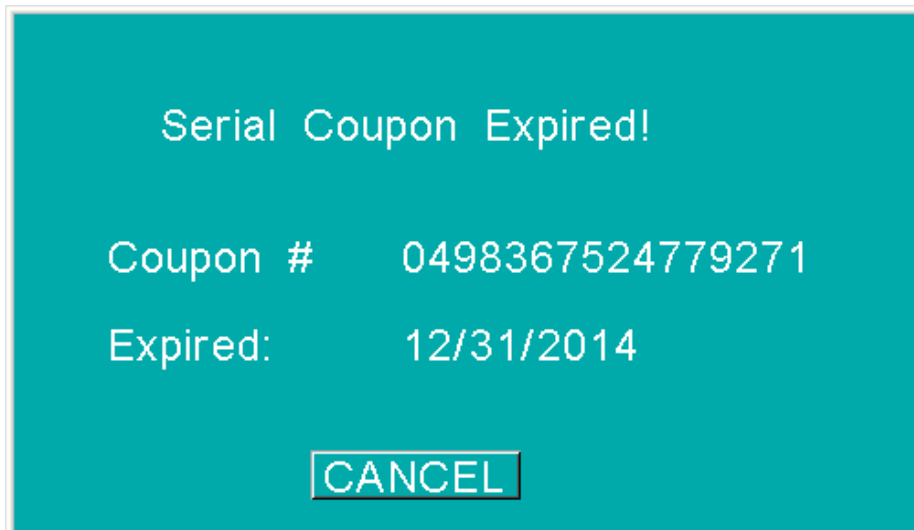


If ‘No’ is selected, the coupon will not be redeemed.

If entered coupon has already been redeemed, the following message will be shown, containing the coupon number, and the date, time and store number where the coupon was redeemed (and the coupon is not accepted).



If the entered coupon is expired, the following message will be shown (containing the coupon number and expiration date) and the coupon will not be accepted.



## 402368 – Savings Receipt Line Threshold (FO/POS)

When enabled, a new parameter in this release will omit the printing of a savings report on the receipt if savings in the ticket do not exceed a specified threshold amount.

### Front Office

#### New Parameter

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

| Parameter                     | Explanation   |
|-------------------------------|---|
| Savings Report Minimum Amount | Enter the minimum dollar amount of savings that must exist in a ticket to print the total savings report on the customer's receipt. |

### POS

When the new General System Parameter "Savings Report Minimum Amount" is established, the POS now omits printing the savings report if the amount is less than this threshold amount.

## 402749 – Alternate ID Lookup at the Pump (Fuel)

ISS45 now supports entering an alternate ID number (i.e. phone number) at the pump. The number entered is then sent to the Loyalty Promotion Engine (LPE) for lookup and the customer's member card number returned is added to the transaction so available fuel rewards may be redeemed.

The cashier may also use the Alternate ID POS function to enter the customer's phone number for pay-Inside or pre-pay transactions.

### Note:

The new "Phone Lookup" option is enabled in the Fuel Control Center (FCC) in the flow control dialog.

|   | Order | Repeat | Reader                              | Scanner                  | Keypad                              | No                                  | Cancel                              | Inside                   | (sec) | Message                                  |
|---|-------|--------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------|--|
| <input type="checkbox"/> Swipe Loyalty                | 2     | 1      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 90    | Swipe Loyalty Card Yes=Manual No=No Card |
| <input type="checkbox"/> Method of payment            | 0     | 1      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |
| <input checked="" type="checkbox"/> Swipe Payment     | 1     | 1      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |       | Swipe Payment Card                       |
| <input type="checkbox"/> Prepaid Voucher              | 0     | 0      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |       |  |
| <input checked="" type="checkbox"/> Authorize Loyalty | 4     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |       |  |
| <input checked="" type="checkbox"/> Authorize Payment | 2     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |
| <input type="checkbox"/> Scan coupon                  | 0     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |
| <input type="checkbox"/> Offer car wash               | 0     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |
| <input type="checkbox"/> Prompt to continue           | 0     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |
| <input checked="" type="checkbox"/> Phone Lookup      | 3     | 1      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 90    | Select 1 to enter Phone Number           |
| <input checked="" type="checkbox"/> Deferral discount | 5     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | 90    | Would you like your discount of \$%.02f? |
| <input checked="" type="checkbox"/> Fueling           | 6     | 1      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | 90    |  |

Apply

### Note:

PumpSrv has been modified to handle the follow exceptions related to Alternate ID support:

- LPE did not find phone number. (The default message "Phone number not found, Press 1 to continue" will display).
- LPE found more than one member card for the given phone number. (The default message "Multiple member found, Press 1 to continue" will display).
- There no connection available to LPE. (The default message "Details not available, Press 1 to continue" will display).

## 403807 – Ohio Smart Card EBT WIC (FO)

SmartCard WIC is originally documented in the Release notes for 8.1.2.1-050.

This section documents the current enhancements which were made to support the Ohio SmartCard WIC program of which the primary difference from other current Smartcard WIC EBT programs is the use of HTTPS communications rather than FTP for File uploading / downloading between the POS system and the EBT WIC Host.

It should be noted that SmartCard WIC EBT implementations can support one of two available specifications which are usually indicated by either Version 2 or Version 4 or more specifically X9:93 Version 2 or X9:93 Version 4 as defined by the American National Standards for Financial Services specifications. ISS45 currently supports ONLY the Version 2 implementation.

The Ohio Smartcard WIC EBT program supports both Version 2 and Version 4. With ISS45, Version 2 of the program is supported.

There are no POS related changes with this enhancement. All changes have been made to the Front Office.

The two primary enhancements needed to support Ohio WIC EBT are

- Use of HTTPS communications to send/receive files between POS system and WIC Host
- Ohio WIC's use of Acknowledgement files rather than Error files to indicate status of Claim submission

**Note:**

The state of Ohio must be configured in EBT WIC State Maintenance and set to a status of "Active".

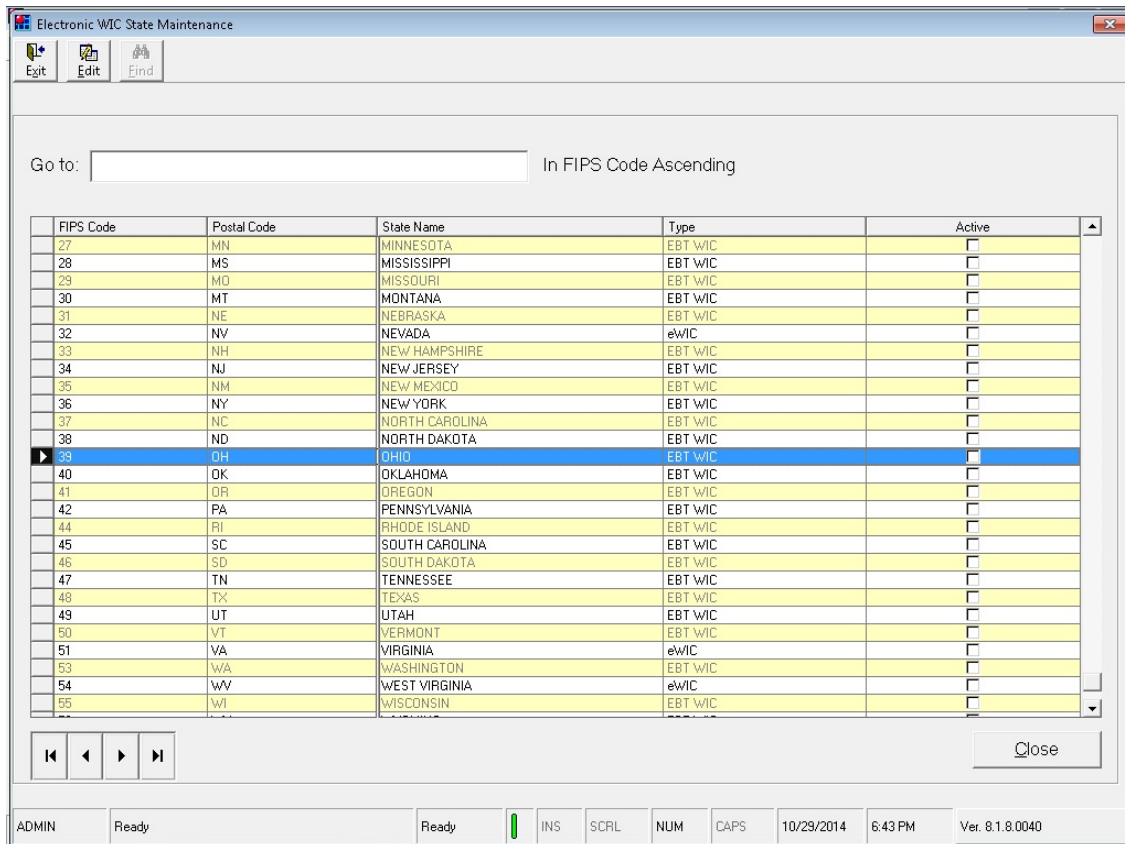
**Note:**

For support of Ohio WIC, the minimum version of Connected Payments required is 828.1.

The MTX\_EPS.dll file which is included with this version of CP is 828.1.11.625.

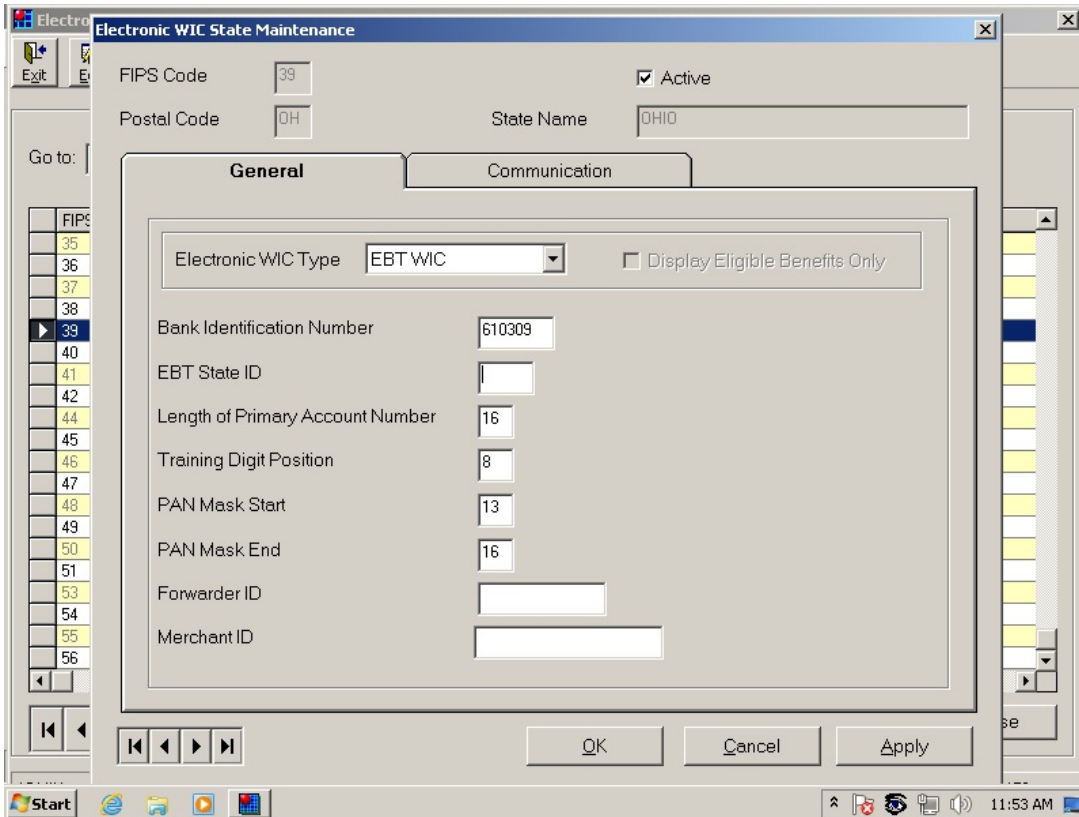
The MTX\_POS.DLL for Ohio Smart Card WIC EBT which is deployed with the 8.1.7.0-150 package upgrade is version 828.1.0.98

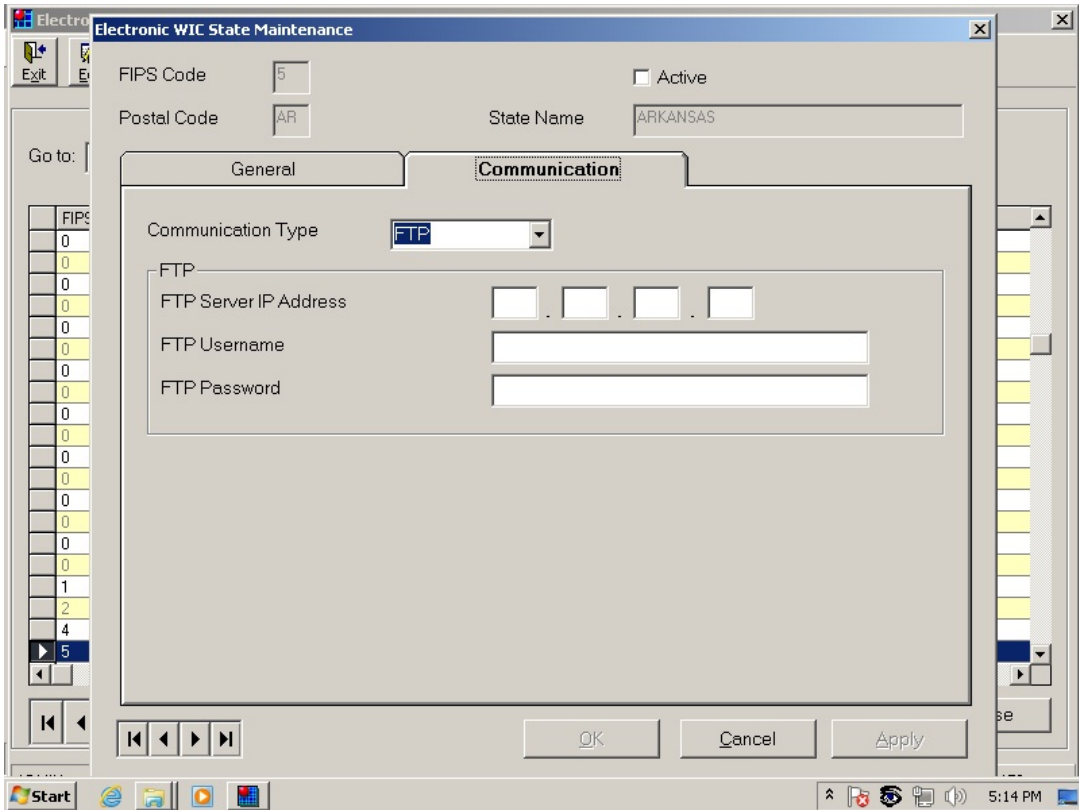
To configure Ohio WIC, select Ohio from the list of WIC EBT state WIC agencies as shown in the screen below.

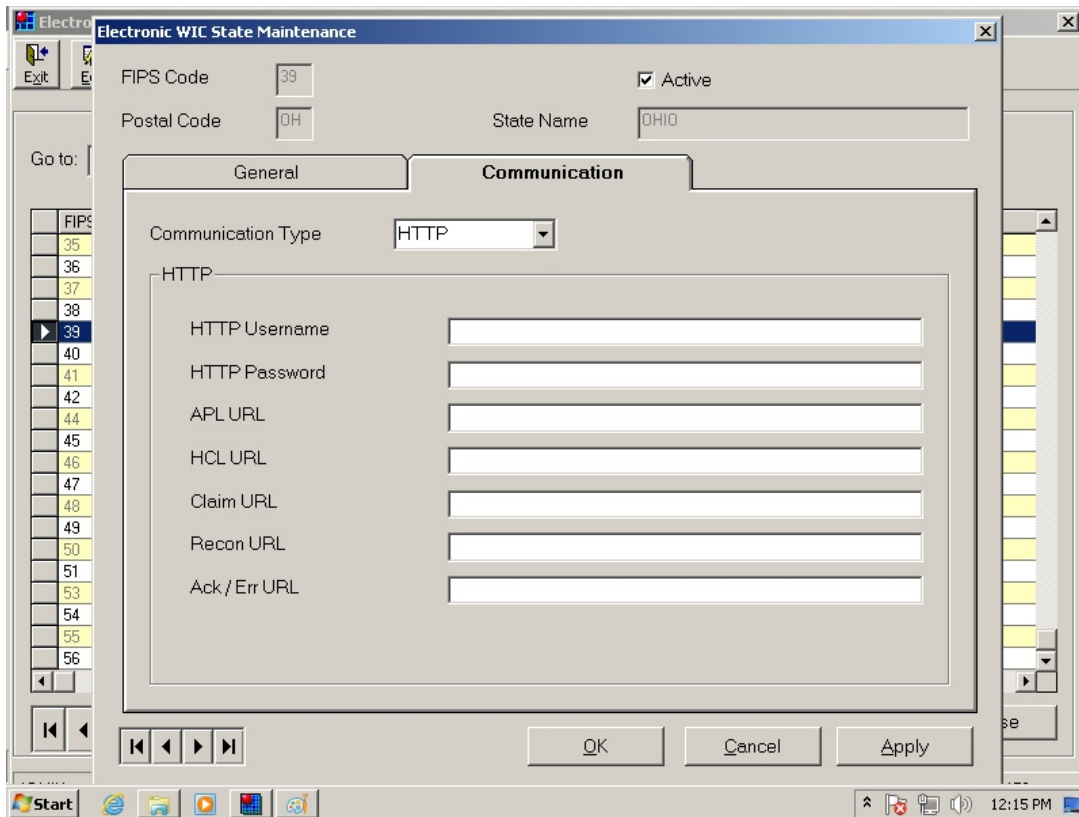


This will bring up a new enhanced WIC State maintenance configuration screen which now has two tabs. The first tab is for general WIC setup options and the second tab is for selection of communication type and configuration of the associated addresses.

Note: The content of the fields in the three screens below will need to be provided by the specific WIC agency.







During The ISS45 End of day process, the ISS45 system communicates with each configured state WIC agency to perform the following

1. Download new Approved Product List (APL) file
2. Download new Hot Card List (HCL) file
3. Upload Claim file
4. Download Claim Response file
  - This response file can be either an Error file which details why the claim submission failed or an Acknowledgment file which indicates whether the claim submission was approved or failed.
5. Download the previous days Reconciliation file

This process occurs during ISS45 End of day by the End of day program calling a batch file call SQLHUK.BAT which has the following content

```
::EBTWIC routine during EOD from SQLHUK.BAT  
  
cd\pcmaster  
  
if exist C:\Program  
Files\POSware\Office\Components\EXE\EBTWIC_HTTP.exe call  
C:\Program  
Files\POSware\Office\Components\EXE\EBTWIC_HTTP.exe  
  
if exist c:\pcmaster\WICCOMM.BAT call  
c:\pcmaster\WICCOMM.BAT
```

The process will call the program “EBTWIC\_HTTP.exe” which will process all enabled WIC states configured as using HTTPS communications followed by a call to WICCOMM.BAT which will process all enabled WIC states configured as using FTP communications.

The current Claim files are placed into the respective C:\Program Files\Posware\Office\EBT\_WIC\<State> folders for upload

The APL, HCL, Error / Acknowledgement and Reconciliation files are downloaded into the respective C:\Program Files\POSware\Office\EBT\_WIC\<State> folders.

After communications and the downloaded files are processed, they are placed into the C:\Program Files\POSware\Office\EBT\_WIC\<State>\History folders.

The naming format of the Version 2 files are as follows

WWWWYJJJ.Txx where;

WWWW - 4 Digit WIC ID

Y- Last Digit of the Current Year

JJJ- Current Julian Date

T - File Type

S – Claim File

A - Reconciliation File

K – Acknowledgement File

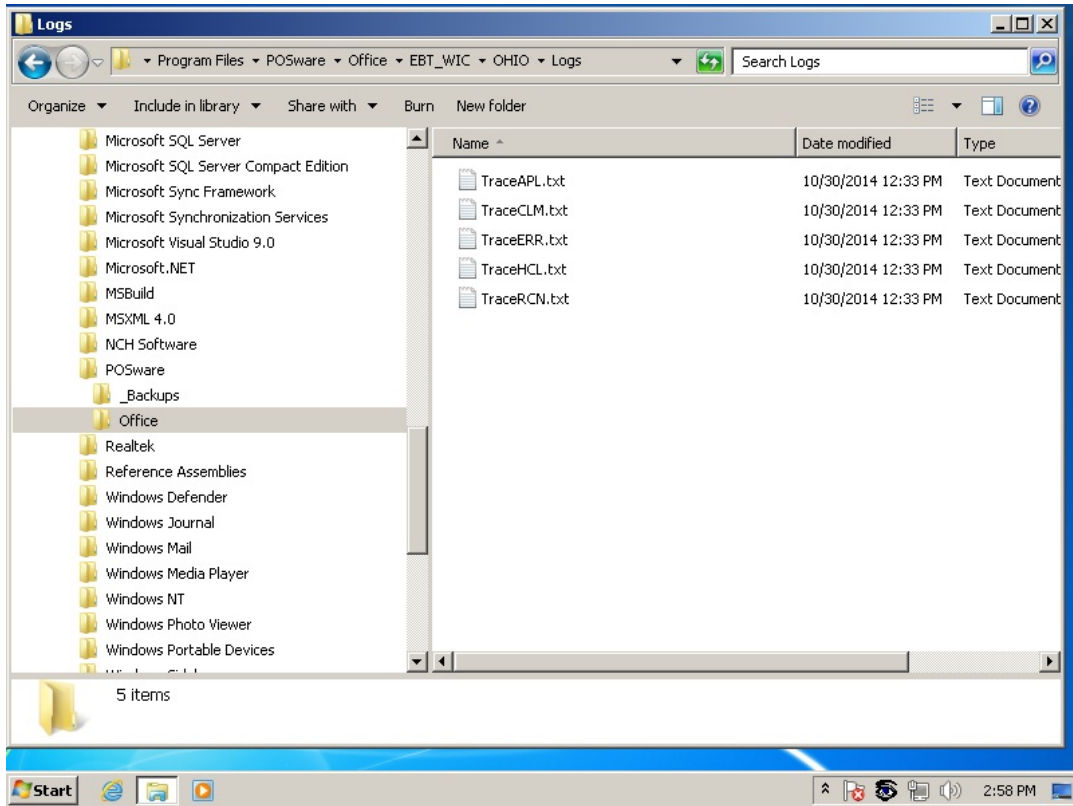
xx- Sequence Number starting with “00”

If for some reason there is a problem with communications with either sending a claim file or receiving a reconciliation file to a state WIC host using the HTTPS communications, the files will be retried during the next end of day(s). There is a total of 3 retries for a particular claim file and 14 retries for a particular Reconciliation file.

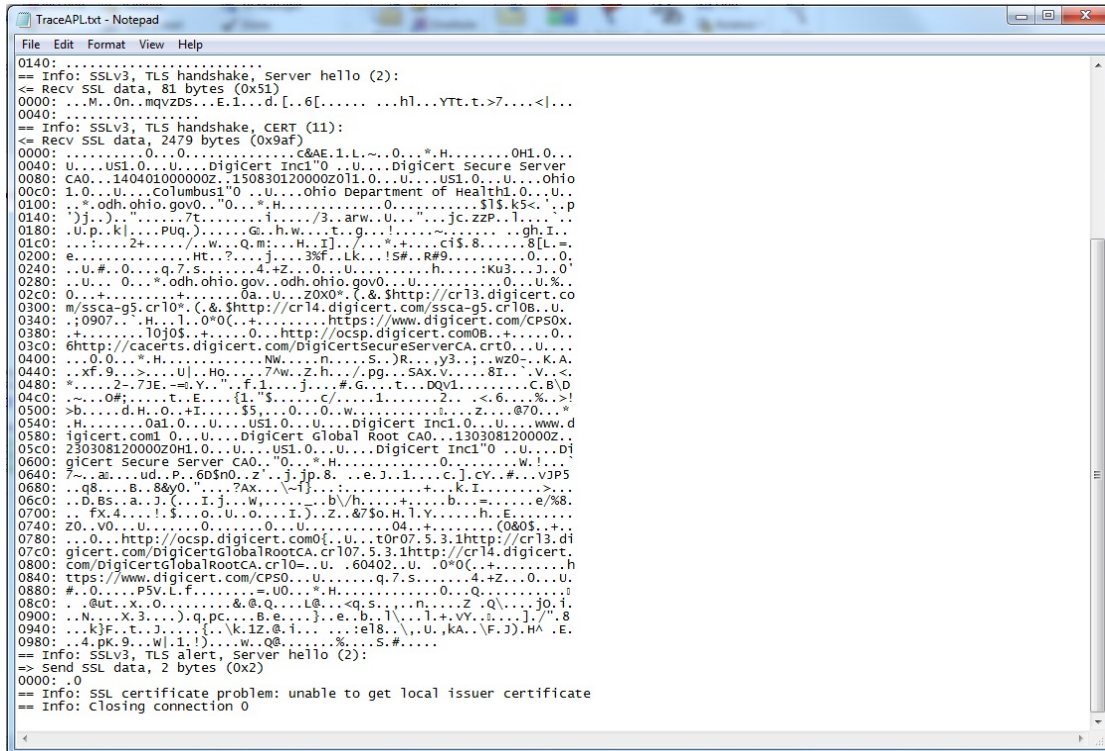
If it is desired to retry before the next end of day, the program EBTWIC\_HTTP.exe located in c:\program files\POSware\Office\Components\EXE can be executed manually which will send any current files and any files needing retries for all enabled WIC agencies configured for HTTPS communications.

ISS45 system uses a utility called CURL to execute the HTTPS communications. This utility requires a certificate for security purposes. This certificate is provided by the individual State WIC agencies which support the CURL utility. Ohio is one of these agencies which will provide updated certificates which can be downloaded from their secure website. If the CURL certificate expires, the ISS45 system will lose its ability to communicate with the WIC host until a new certificate is retrieved and placed into c:\windows\system32 directory.

In order to determine if the CURL certificate is expired, any one of the log files which CURL creates can be examined. These log files are located in c:\Program Files\POSware\Office\EBT\_WIC\



If a problem occurs with the certificate, there will be an entry ear the end of the trace file indicating the particular issue. The text “certificate problem” can be searched. The screen image below shows an example of an expired certificate log entry.



```
TraceAPL.txt - Notepad
File Edit Format View Help
0140: .....
== Info: SSLV3, TLS handshake, Server hello (2):
<= Recv SSL data, 81 bytes (0x51)
0000: ...M..0n.mqvZDs..E.l..d[.6[..... ..hl...Ytt.t.>7....<[...
0040: .....
== Info: SSLV3, TLS handshake, CERT (11):
<= Recv SSL data, 2479 bytes (0x9af)
0000: .....0..0..0.....c&AE.l.L~.0...*.H.....0H1.0...
0040: U...US1.0...U...Digicert Incl"0 ..U...Digicert Secure Server
0080: CA0..140401000002..1508301200002011.0...U...US1.0...U...ohio
0100: ..%odh.ohio.gov0..0...*.H.....0.....$15.k5<..P
0140: ..j..).7t.....i...../3..arw..U.....jC.ZEP..1.....
0180: ..U.p.k]...Puq.).....G..h.w...t.g...!.....gh.I..
0200: e.....2+...../..w..Q.m:..H..I].....*+..ci5.8.....8[L.=
0240: ..U.#..0...q.7.s.....4.+Z..0..U.....h.....:KU3...J..0
0280: ..U...0...%odh.ohio.gov..odh.ohio.gov0...U.....0..U.%
0320: 0..+.....+.....0a..U...Z0X0*{.&.$http://cr13.digicert.co
0360: m/ssca-g5.cr10*{.&.$http://cr14.digicert.com/ssca-g5.cr10B..U.
0400: ;0907..H..1..0*0(.+.....https://www.digicert.com/CPS0x.
0440: +.....10105.+.....0..http://ocsp.digicert.com0B..+.....0..
0480: $http://cacerts.digicert.com/DigicertSecureServerCA.crt0..U...
0520: ..0.0..*.H.....NW...n...S..)R...y3..;..wz0-..K.A.
0560: ..xf.9..>...U]..Ho...7#w..Z.h.../..pg..SAX.v...8I..V..<
0600: *...2-73E.=.Y...".F.1....j...#.G...t..DQV1.....C.B\D
0640: ~...0#;...t..E...{1"$......C/.....1.....2...<.6...%>!
0680: >b...d.H..0..+.....$5...0..0..w.....Z...@70..*
0720: ..H.....0a1.0..U...US1.0...U...Digicert Incl.0..U...www.d
0760: igicert.com1.0..U...Digicert Global Root CA0..130308120000Z..
0800: 23030812000020H1.0..U...US1.0...U...Digicert Incl"0 ..U...Di
0840: gicert Secure Server CA0..0...*.H.....0.....W..1...
0880: 7~.e...ud.P..60$no.Z..j.jp.8..e.J.l...c.]CV.#..VPS
0920: ..q8...B..8&y0.".....?Ax...~1].....+...k.I.....>...
0960: ..D.Bs.a.J.(...I.j..w.....b\h...+...b...=...e/%8.
1000: ..fx.4...!.$...o..U..o...I.)Z.&7So.H.I.Y.....h.E.....
1040: Z0..V0...U.....0.....0..U.....04..+.....(0&03;+...
1080: ..0...http://ocsp.digicert.com0f..U...t0*07.5.3.1http://cr13.di
1120: gicert.com/DigicertGlobalRootCA.cr107.5.3.1http://cr14.digicert.
1160: com/digicertGlobalRootCA.cr10=..U..60402..U..0*0(.+.....h
1200: ttps://www.digicert.com/CPS0..U.....q.7.s.....4.+Z..0..U.
1240: #..0...PSV.L.f.....=U0...*.H.....0...Q.....
1280: ..@ut..x..0.....&@.Q...L@..<q.s...n...Z..Q.....]o.i.
1320: ..N...x.3...).q.pc...B.e...}.e..b.l\...l+vv..n...]./"8
1360: ..k]F..t..J...{..k.lz.@.i... ..e18..\.U..kA..(F.J).H^..E.
1400: ..4.pk.9...w|1.1!)...w..Q&.....%...S.#.....
== Info: SSLV3, TLS alert, Server hello (2):
>= Send SSL data, 2 bytes (0x2)
0000: ..0
== Info: SSL certificate problem: unable to get local issuer certificate
== Info: Closing connection 0
```

## 408243 – Retailx Loyalty Alternate ID PIN Pad Entry (FO/POS)

In previous ISS45 releases, the Alternate ID (i.e. phone number) entry could only be performed by the cashier in Retailx Loyalty sites (using Keyboard Function 1441). Now when a customer does have a member card to swipe, the Alternate ID can be entered by the customer at the PIN Pad.

**Note:**

The following setting is supported for the General System Parameter “Alternate ID Prompt on Pin Pad” (located in the Store \ POST \ MTX EFT folder): **Member Card or Secondary ID**.

**Note:**

If multiple member matches are returned from LPE for the Alternate ID, the cashier will be prompted to select from a list of matches.

**Note:**

The “No Match Found” message will display to the cashier at total if there is no member card match for the alternate ID that was entered. The PIN Pad will prompt the customer to re-enter the card number and the POS will also prompt the cashier to enter the Alternate ID. If an EFT card was swiped previously, only the cashier will be prompted.

## **410066 – Daily EOM XML TLOG Extract Modification (Sys)**

The TF\_PARAM.XML file created during the ISS45 Trickle Feed export during end-of-day processing (for the Living Naturally Loyalty host) has been modified in this release to omit leading zeroes for the customer number.

## 411130 – New Deferred Cash Drawer Open Option (FO/POS)

A Tender Maintenance parameter in this release will defer the opening of the cash drawer until after all other tenders have been processed. In previous releases, the tender could be configured to open the drawer only if the tender was either the last or only tender used in the ticket.

**Note:**

This feature may be helpful in sites that experience a higher rate of partial tendering (that includes cash) and only want the cash drawer to open only after all tendering is complete.

### Front Office

The Tender Maintenance General Parameter Tab's Open Drawer field now displays a fifth option "Open Drawer Deferred".

**Note:**

The existing "Open drawer on change" option opens the drawer if the tender is the last tender in the ticket, regardless of whether there is change due or not.

### POS

When a tender is configured with the "Open Drawer Deferred" option enabled, the POS now completes the ticket with other tenders that do not require a drawer-open and then opens the drawer for the deferred tender (regardless of whether there is change due).

## 413494 – Enable POS Check of Supervisor Authorization Check Box in PLU Maintenance

The POS will now check for the setting of the supervisor authorization check box in PLU Maintenance and prompt for Supervisor password at the end of the transaction. Selling any items which have this flag set will require supervisor confirmation at total time.

The screenshot shows the PLU Maintenance screen for Item Number 20. The description is 'Super reqd'. The 'General' tab is selected, and the 'Super Auth Required' checkbox is checked and circled in red. Other options include Manual Price, Decimal Quantity, Weighed Item, Prohibit Discount, Cost-Plus Item, Non-Merchandise, Negative Entry, Item on sale, SSP Product, Price Verify, Print Item Number, Exclude From Promotions, Coupon Setting, Store Coupon, Vendor Coupon, Bonus Coupon, Family Code 1, Family Code 2, Restrictions, Prohibit Sale, Restriction Layout, Quantity, Prohibit QTY/Repeat, Force Quantity, Assume Quantity, TAX Code, Allow Payment by, and FSA.

There is no indication of the reason for the supervisor prompt, just the prompt itself.

If the supervisor number prompt is exited, the POS will return to SALE mode.

If an invalid supervisor number is entered, there is an error message and the POS returns to the supervisor prompt.

Once a supervisor number is entered, it will NOT need to be re-entered if the cashier returns to the sale, then totals again.

If all supervisor authorization-required items are voided from the ticket, the supervisor prompt should NOT appear. If only some of the supervisor authorization -required items are cancelled, the supervisor prompt should still appear.

The prompt should appear or not appear when appropriate after recall of a saved transaction.

The prompt should appear or not appear when appropriate after recover of a transaction following a power failure.



## 413499 – Alternate ID Lookup on Self-Checkout (POS)

ISS45 now supports receiving an Alternate ID request from NCR SSCO self-checkout systems. When the SCO\_VALIDATE\_CLUBCARD message is received (with a phone number entry), ISS45 processes the phone number Alternate ID lookup as if it were entered at the POS. If a member is associated with the phone number, ISS45 inserts the member number into the ticket and returns the POS\_LOYALTY\_CARD response to the self-checkout application. If the customer is not located, the POS\_LOYALTY\_CARD\_INVALID response is returned and self-checkout indicates Member Not Found.

**Note:**

If multiple member numbers are associated with the entered phone number, the first member number located will be inserted into the ticket.



Initial NCR SSCO Screen showing Alternate ID/Phone Number entry option.

**Alternate ID / Phone Number Entry** NCR SelfServ™ Checkout  
Member Not Found.  
Please try again!

Amount Due: \$0.00  
Amount Paid: \$0.00

0.33 lb  
e=d=0.01lb Max 30.00 lb min 0.2 lb  
Nmax 3000

Go Back Help

NCR SSCO Alt-ID Entry indicating Member not found from previous entry

**Scan & Bag** NCR SelfServ™ Checkout  
Your frequent shopper account has been activated.  
Scan your items and coupons.

Total Tax \$0.00  
Total \$0.00

0.32 lb  
e=d=0.01lb Max 30.00 lb min 0.2 lb  
Nmax 3000

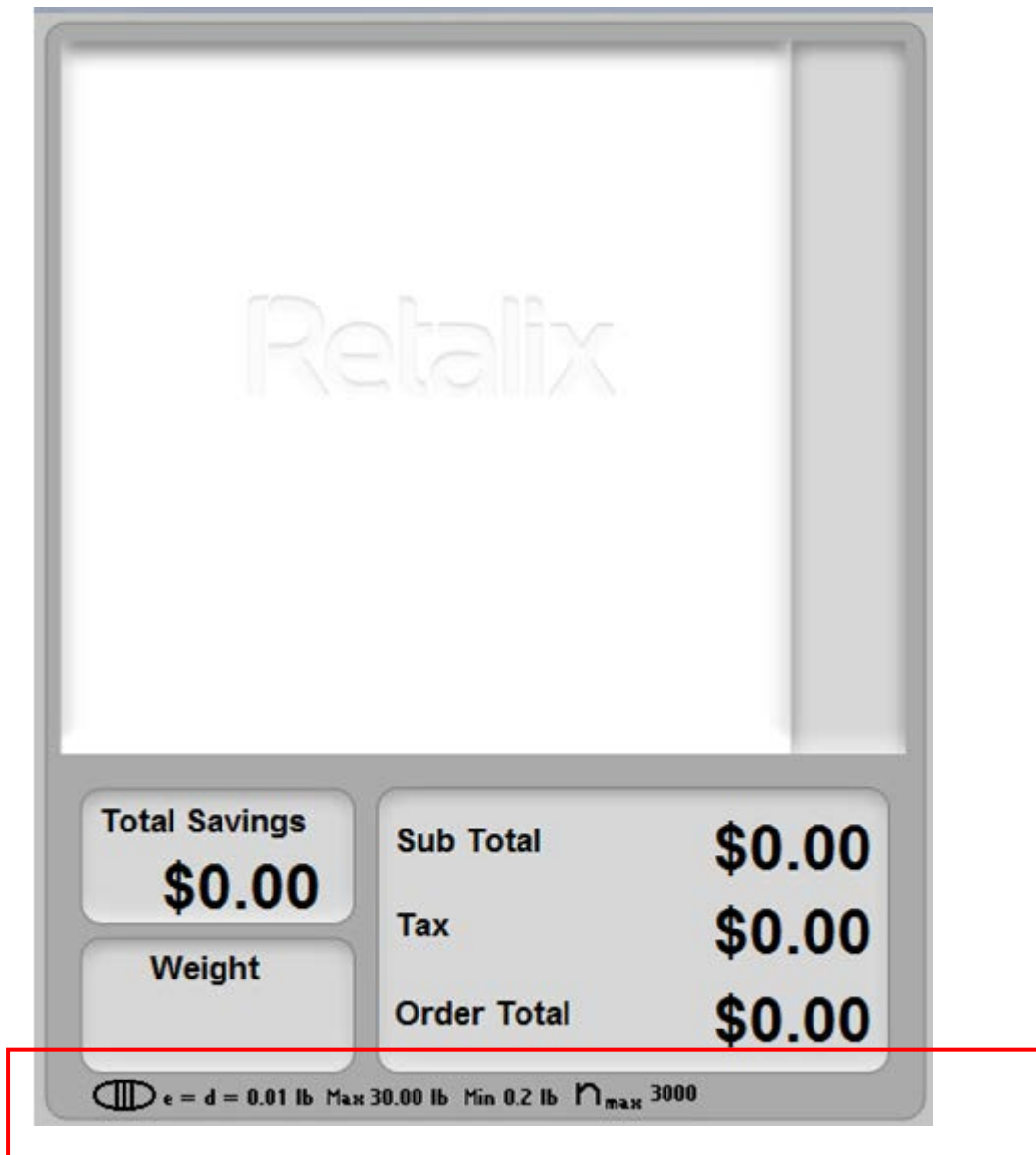
Alternate ID / Phone Number Entry  
Look Up Item  
Key In Code  
Finish & Pay

Cancel Items Help

NCR SSCO screen showing member number retrieved from use of the Alt-ID entry

## 414308 – Customer Display Scale Weight Tolerance Graphic (POS)

The Customer Display now appears with a scale weight tolerance graphic (below to the live weight display area) in this release.



The tolerance graphic has been added to the following default customer display bitmaps:

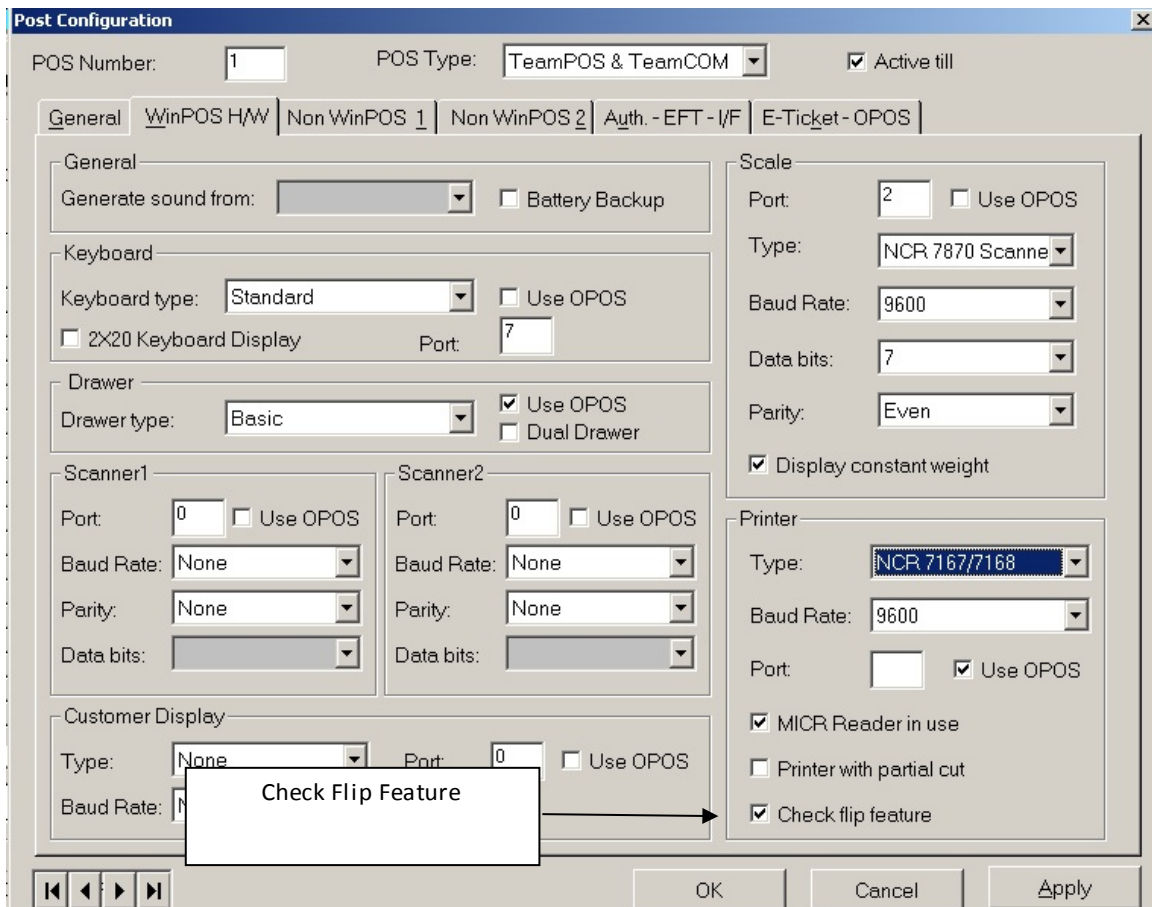
- bmp\cust.bmp
- bmp\cust-fr.bmp
- bmp-bw\cust.bmp
- bmp-bw\cust-fr.bmp
- bmp800\cust.bmp
- bmp800\cust1.bmp
- bmp800\cust1\_max.bmp
- bmp800\cust-fr.bmp
- bmp800\cust-fs.bmp
- bmp800-bw\cust.bmp
- bmp800-bw\cust1.bmp
- bmp800-bw\cust1\_max.bmp
- bmp800-bw\cust\_fr.bmp
- bmp800-ENH\cust.bmp
- bmp800-ENH\cust1.bmp
- bmp800-ENH\cust-fr.bmp
- bmp800-ENH\cust-fs.bmp

## 418398 – Check Flip support for NCR 7167\7168 Printers (POS)

ISS45 now supports the check flip feature for NCR 7167 and NCR 7168 printers.

**Note:**

The check flip feature is enabled using the “Check Flip Feature” checkbox on the Post Configuration Screen’s WinPOS H/W Tab.

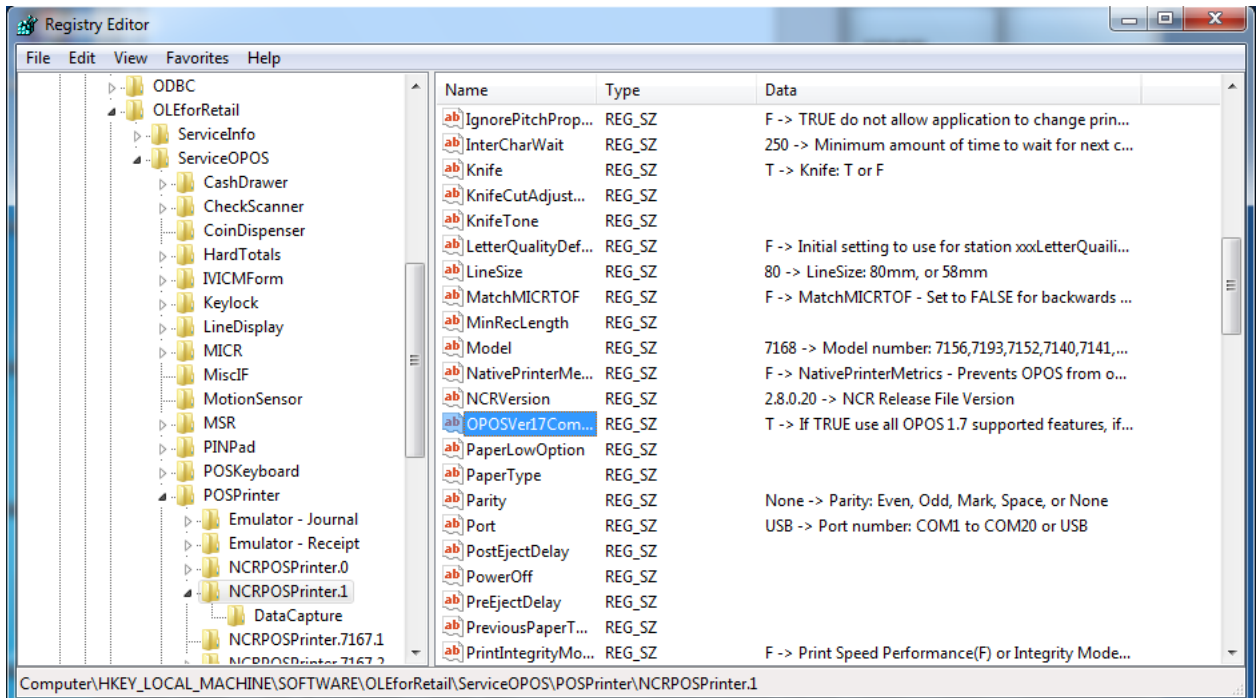


When “Check flip feature” is enabled for the POS, the POS presents instructions to the cashier (e.g. “Insert Check Face Up/Down”, etc.) and ensures events (i.e. MICR read, template printing and endorsement) occur in the proper sequence when tendering a check.

Navigate to HKEY\_LOCAL\_MACHINE -> SOFTWARE -> OLEforRetail -> ServiceOPOS -> POSPrinter -> <Name of Installed Printer>. “NCRPOSPrinter.1”

Set the following registry setting in the OPOS Profile (OPOSVer17Compliance):

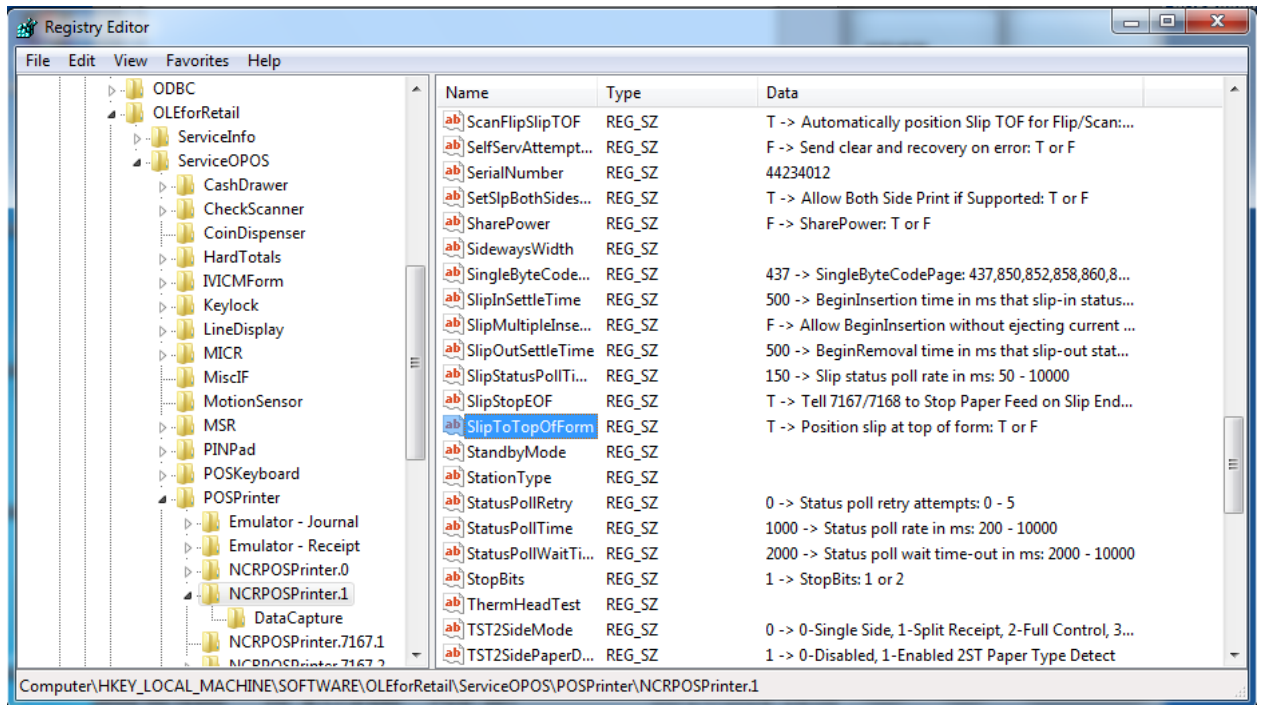
- Change the value of OPOSVer17Compliance from F(false) to T(true).
- OPOSVer17Compliance **T** -> If TRUE use all OPOS 1.7 supported features, if FALSE do not use features that might break previous application



Navigate to HKEY\_LOCAL\_MACHINE -> SOFTWARE -> OLEforRetail -> ServiceOPOS -> POSPrinter -> <Name of Installed Printer>. "NCRPOSPrinter.1"

Set the following registry setting in the OPOS Profile (SlipToTopOfForm):

- Change the value of SlipToTopOfForm from F(false) to T(true).
- SlipToTopOfForm **T** -> Position slip at top of form: T or F



## 426283 – New Retalix Job Agent (FO/Sys)

SQL Server Express (which replaced the Microsoft SQL Server Desktop Engine in SQL Server Workgroup 2008) is now supported in this release. The SQL Server Agent (used by previous versions of ISS45) is not available with SQL Server Express therefore a new Agent called Retalix Agent has been created which will now be used with SQL Express 2008. When using SQL Server Workgroup 2008, the Retalix Agent should not be enabled.

Installing patch 8.1.7.0-170 and higher will automatically add the agent to the System Administration's Technical Support folder when using either SQL Express or SQL Server Workgroup edition. However the Retalix Agent should only be enabled when using SQL Express 2008.

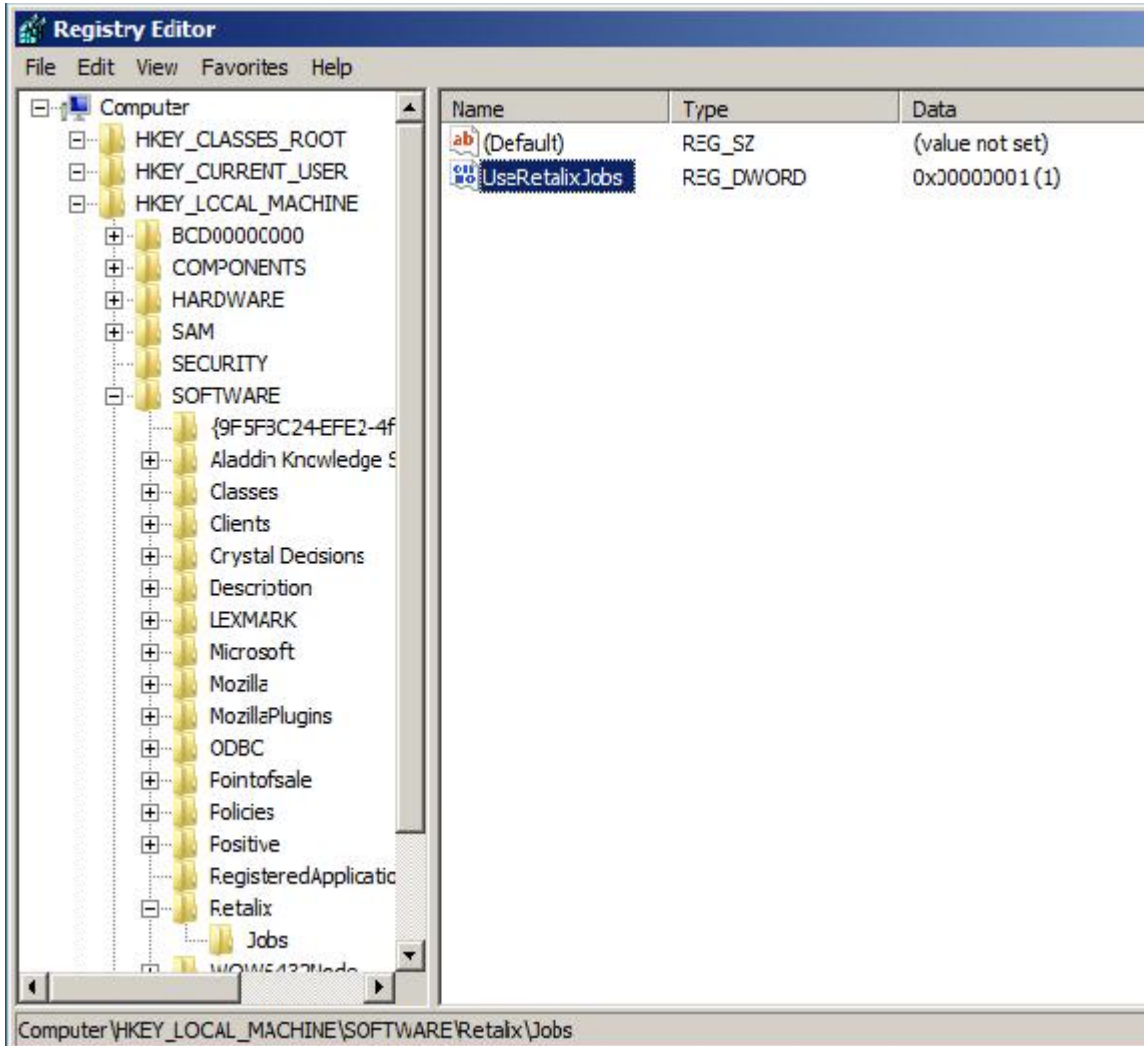
A new "Retalix Job Agent" has been implemented and performs the following ISS45 functions previously performed by the SQL Server Agent:

- Report Scheduling
- Automatic EOD
- SQL Transaction Log Backups

## SQL Server Express Registry

The following registry will need modified for SQL Server Express. The default value is 0 (when using SQL Server Workgroup 2008) and must be changed to 1 (when using SQL Server Express).

Computer\HKEY\_LOCAL\_MACHINE\SOFTWARE\Retalix\Jobs  
"UseRetalixJobs" Data value needs set to 1.

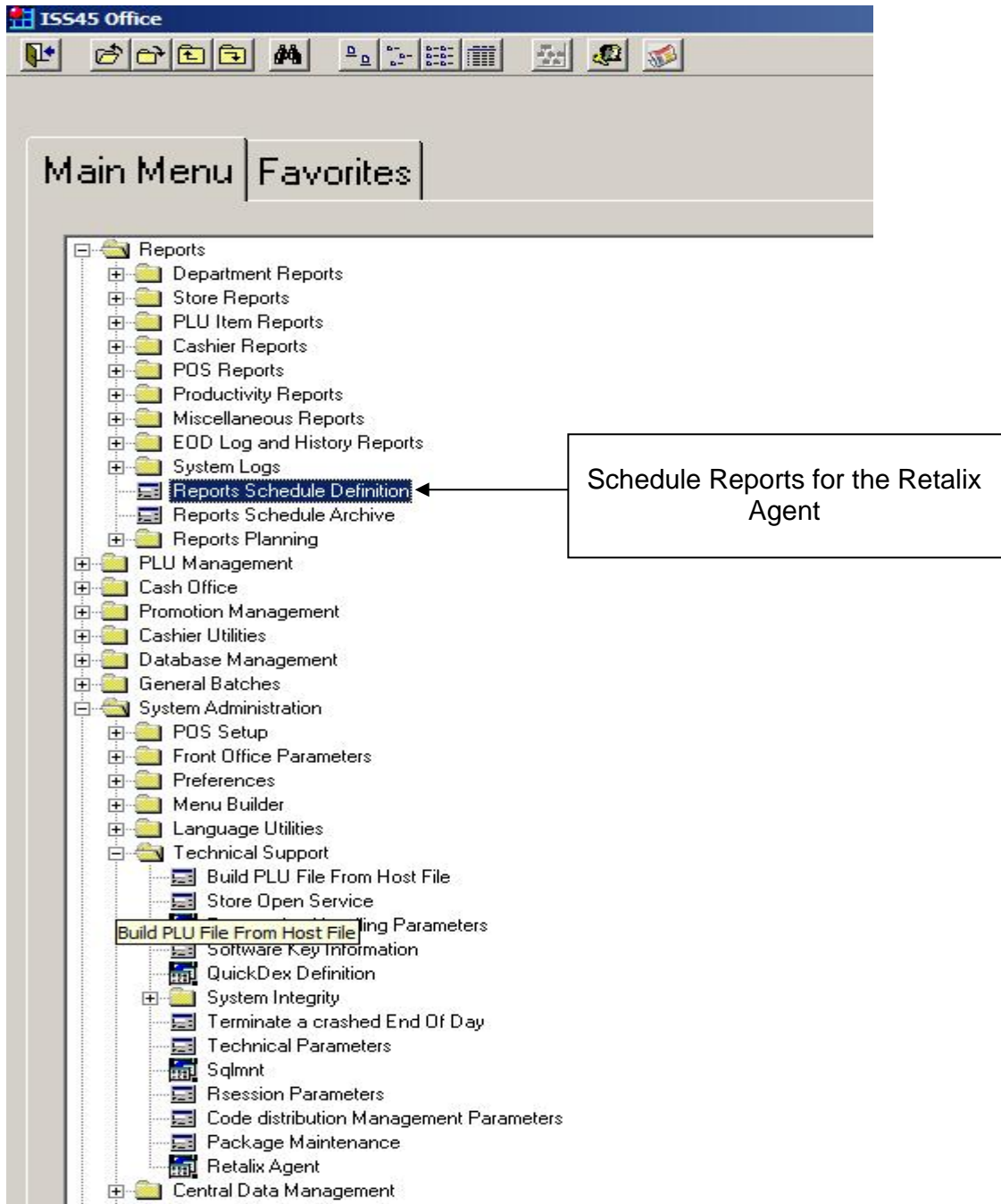


## Front Office

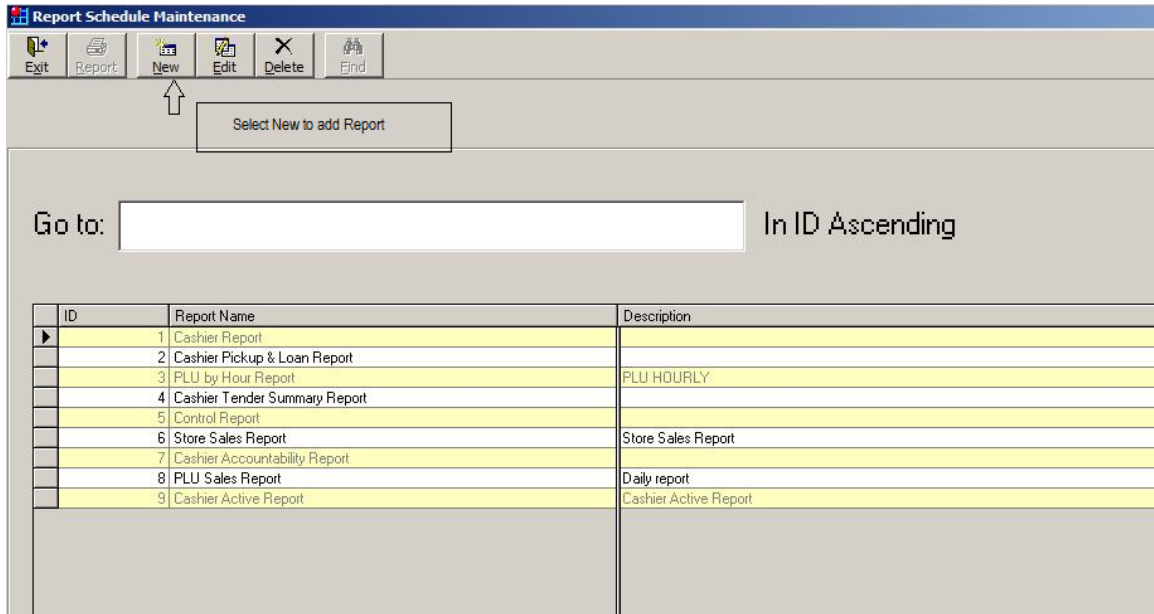
### Scheduling Reports

To define report schedules use existing Reports Schedule Definition.

From the Reports option, select Report Schedule Definition. The Report Schedule Maintenance Window appears.

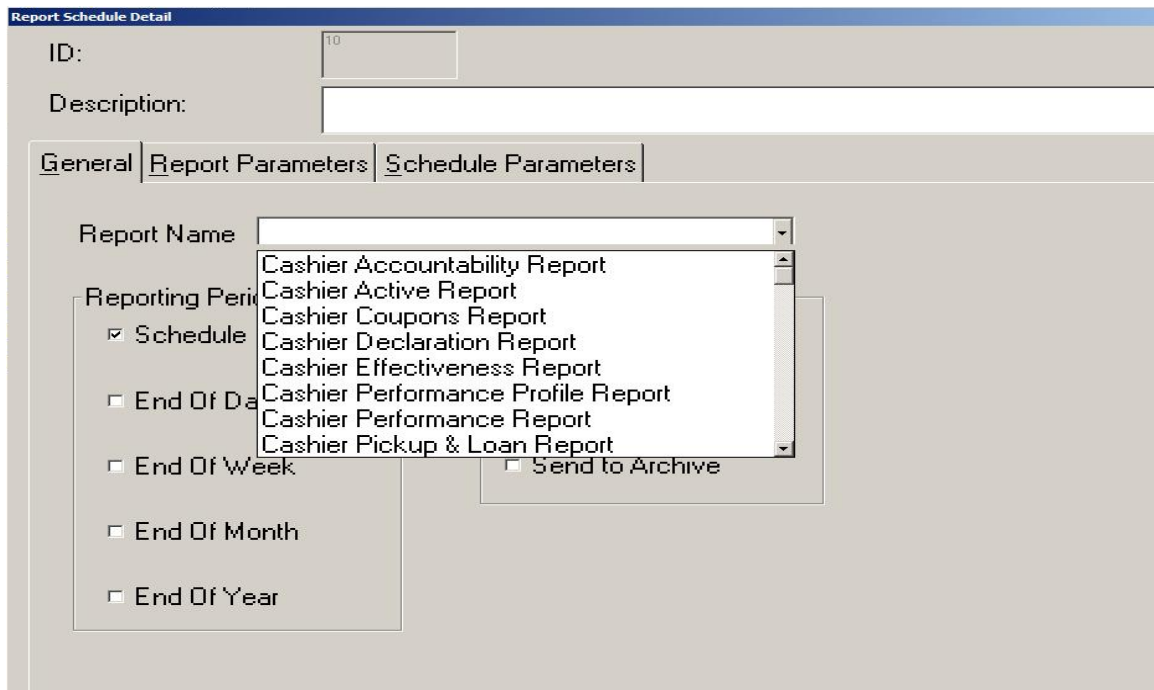


Click **New** to add a new report schedule. The Report Schedule Detail dialog box is displayed.



Enter a report schedule description.

From the Report Name dropdown list, choose the required report (all the system reports are available in the list).



Choose a reporting period. If you select the schedule option, you must use the Schedule Parameters tab to set the frequency of reporting.

Choose a destination for the report. You can print either at MFS1, MFS2, or send the report to the archive.

The screenshot shows a window titled "Report Schedule Detail" with the following fields and options:

- ID: 3
- Description: Department Report
- General | Report Parameters | Schedule Parameters (selected)
- Report Name: Department Report
- Reporting Period:
  - Schedule
  - End Of Day
  - End Of Week
  - End Of Month
  - End Of Year
- Destination:
  - Print at MFS1
  - Print at MFS2
  - Send to Archive

Select the Report Parameters tab. The Report Parameter dialog box is displayed.

The screenshot shows the 'Report Schedule Detail' dialog box with the 'Report Parameters' tab selected. The dialog contains the following fields and controls:

- ID: 3
- Description: [Empty text box]
- General | **Report Parameters** | Schedule Parameters
- Table with 3 columns: No, Description, Value
- Buttons: Set Parameters, OK, Cancel, Apply
- Navigation icons: Home, Left Arrow, Right Arrow, End

| No | Description     | Value |
|----|-----------------|-------|
| 1  | Report Type = 0 |       |
| 2  | Period          |       |
| 3  | Date From       |       |
| 4  | Date To         |       |
| 5  | All Cashiers    |       |
| 6  | Cashier List    |       |
| 7  | Optional Date   |       |

Click the *Set Parameters* button to choose a date range. The Schedule Parameters dialog box is displayed.

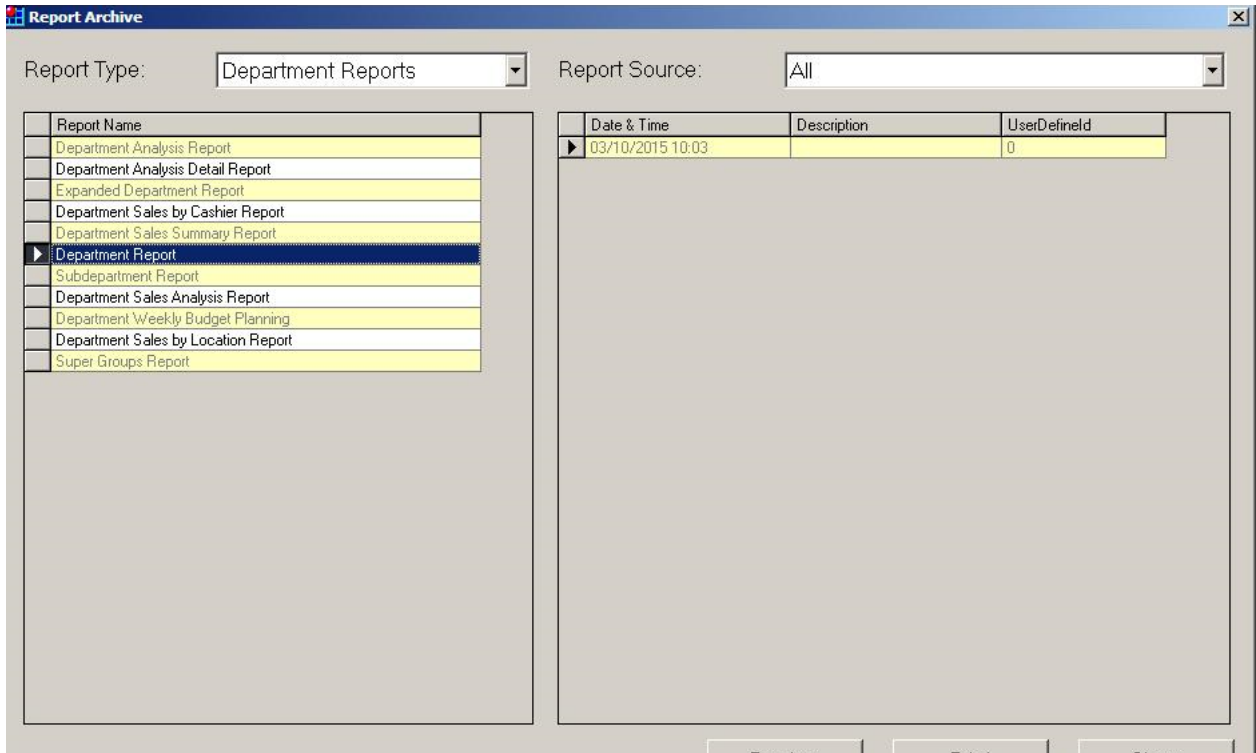
The screenshot shows the "Report Schedule Detail" dialog box with the "Schedule Parameters" tab selected. The "ID" field contains the value "3" and the "Description" field contains "Department Report". The "Schedule Parameters" section has three radio buttons: "One time", "Recurring", and "Occurs once at". The "One time" option is selected, with "On Date" set to "03/10/2015" and "At time" set to "10:03". The "Recurring" option is also visible, with "Start Date" set to "03/10/2015" and "End Date" set to "12/31/2015". Below the "Recurring" option, there are fields for "Starting at" (10:03) and "Ending at" (23:00). The "Occurs once at" option is selected, with a field for "10:00". Below these options, there is a "Generate at" section with checkboxes for "Mon", "Tue", "Wed", "Thu", "Fri", "Sat", and "Sun", all of which are checked. There are "Select All" and "Unselect All" buttons next to the checkboxes. At the bottom of the dialog, there are navigation buttons (back, forward, etc.) and "OK", "Cancel", and "Apply" buttons.

Click *OK* or *Apply* to save.

## Reports Schedule Archive

### To preview or print a report from the archive

From the Reports option, select Report Schedule Archive. The Report Archive Window appears.



From the Report Type dropdown list, select the required report.

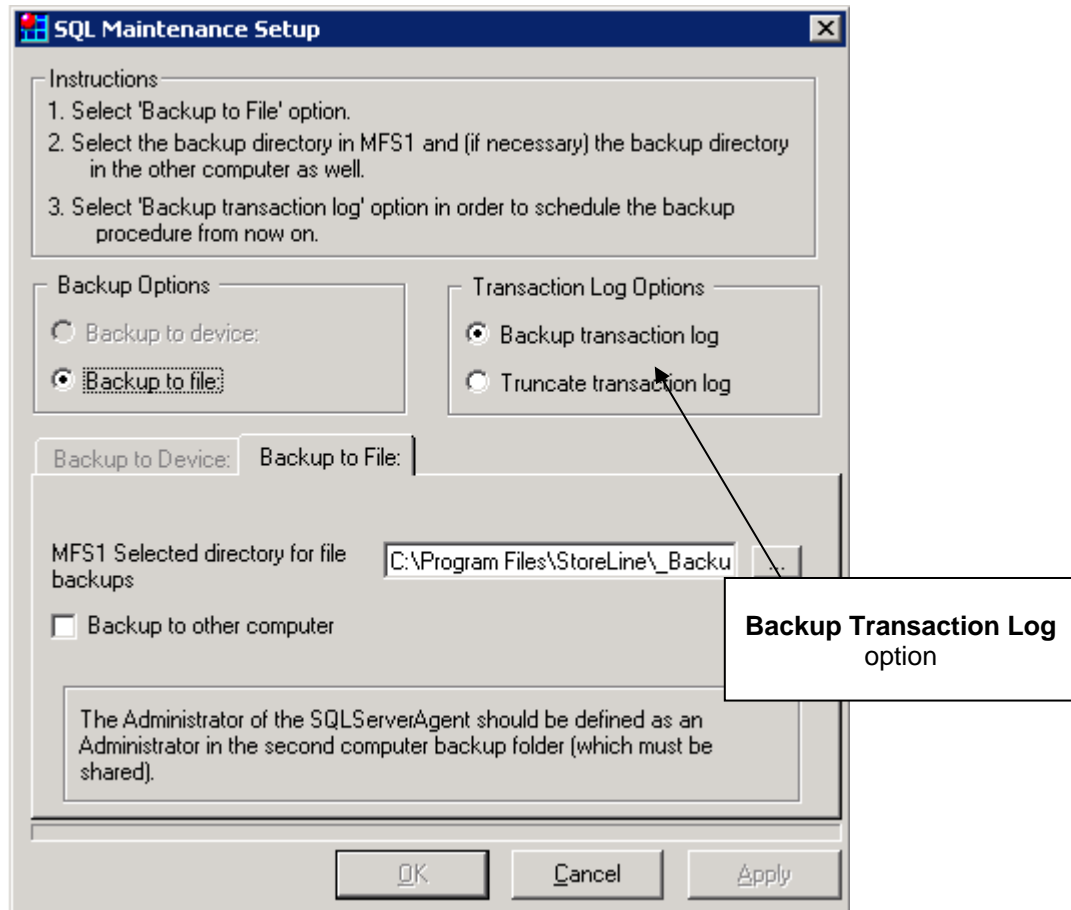
From the Report Source dropdown list, select either:

- All
- End Of Day
- Cash Office
- Report Schedule

From the list on the left, select the required report and then click *Preview*.

## SQLMNT Changes

When the Backup Transaction Log Option is selected in the Front Office, the job is automatically created using the Retalix Job Agent. If the Truncate Transaction Log option is alternatively selected, the backup job is removed from the Job Activity Monitor.



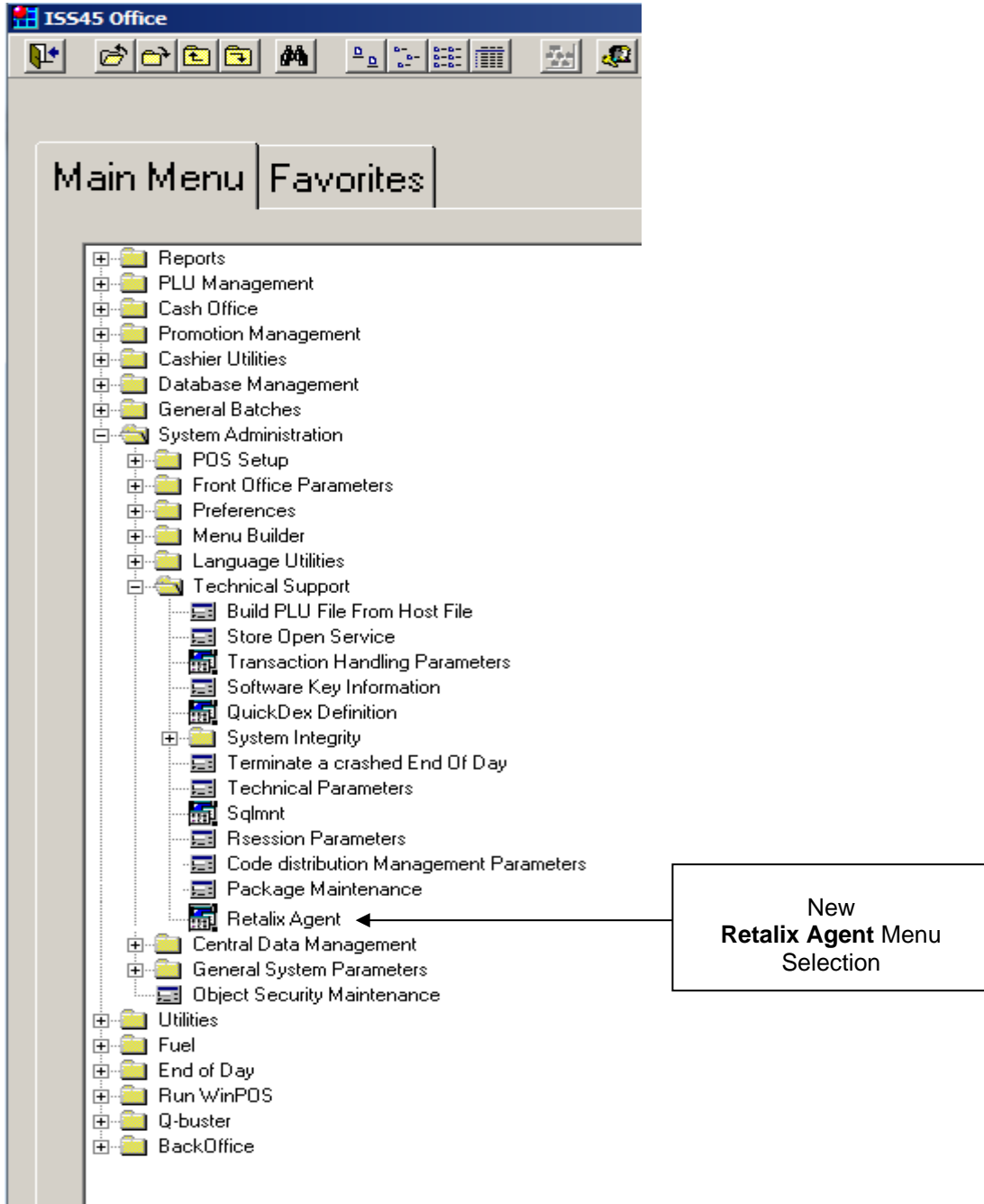
## Automatic EOD Changes

When the General System Parameter “Automatic End of Day” parameter (located in the Store \ Front Office \ End of Day \ General folder) is set to “Yes”, the EOD job is automatically created using the Retalix Job Agent. If parameter is later set to “No”, the job is automatically removed from the Job Activity Monitor.

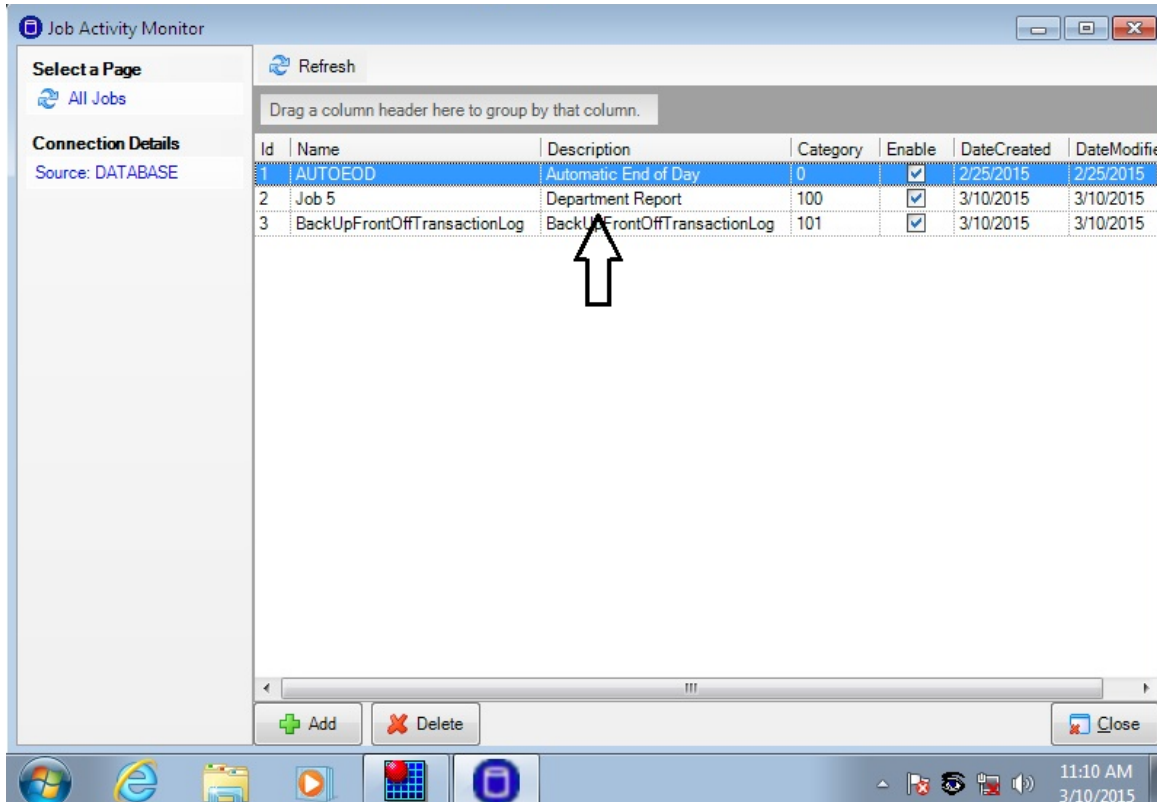
## New “Retalix Agent”– For Viewing Scheduled Reports

### Menu Selection

The System Administration's Technical Support folder displays the new Retalix Agent menu selection.



When launched, the new "Job Activity Monitor" screen displays all jobs created through Report Schedule Definition, Automatic EOD or SQL Transaction Log Backup Maintenance.

**NOTE:**

The "Job Activity Monitor" screen should be used to view scheduled jobs only.

## System

When enabled with SQL Server Express, the new Job Agent runs as a background service with a dependency on POS\_SRV\_MANAGER. Job activity is sent to either the Event Viewer or Log File (based on job settings).

**Note:**

The Retalix Agent logs to the C:\PCMASTER\LOG\RetalixAgentStep.log file by default.

**Note:**

The "UseRetalixJobs" registry entry controls whether the SQL Server Agent or the Retalix Agent is used. The registry location is HKEY\_LOCAL\_MACHINE \ SOFTWARE \ Retalix \ JOBS. A setting of 0 = SQL Agent Mode (SQL Server Workgroup 2008) and 1 = Retalix Job Agent (SQL Server Express).

## 429891 – Preservation of Retail Loyalty XML files

XML Retail Loyalty files will be conditionally deployed on an installation and CDS if they do not exist.

The following files should not be overwritten during an upgrade if they exist.

- Tfrema.exe.config
- TF\_param.xml
- Rsmdispatcher.exe.config

## **432997 – Logging to RtapsclientCOM.dll**

The rtapsclientCOM.dll will now log communication between Fuel and rtaps in rtapsclientCOM.log. This file will be written in the "C:\Program Files\POSWare\WinPOS\Log" folder and will be maintained for size in the same manner as rtapsclient.log (When it grows beyond 10MB, it will be renamed "rtapsclientCOM\_old.log" and a new log will be started. The previous old log will be deleted.)

## 434366 – Auto Declaration of Charge Payment Tenders

Charge Payment tenders should be set up for auto declaration. The declaration amount of this tender will be automatically declared, eliminating errors during manual entry of the declaration amount.

The screenshot shows the "Tender Maintenance" dialog box for an "In-House Payment" tender. The "Tender Number" is 28. The "Payment Terms" section includes several checked options: "Overtender allowed", "Refund allowed", and "Purchase allowed". The "Automatic purchase of:" dropdown is set to "Tender". The "Automatic Declaration" section, highlighted with a black box, has "Auto declaration in Cashier / POS declaration" checked and "Auto declaration in End Of Day" unchecked. The "Open drawer:" dropdown is set to "Open drawer deferred". The "OK", "Cancel", and "Apply" buttons are visible at the bottom right.

Tender Maintenance

Tender Number: 28 Name: In-House Payment

POST Report EPS - EFT

Tender Setup Values and C/Cs General Parameters Specific 1 Specific 2 Template Open Loan

Payment Terms

- Overtender allowed
- Refund allowed
- Purchase allowed
- Automatic purchase of: Tender
- Rounding allowed
- Payment prohibited
- Automatic tender of available balance

- Value not required
- Value not required for negative
- Tender has float
- Automatic opening float
- Exclude from media reports
- ROA / Payout allow
- Tender bankable
- Supervisor keylock required
- Cancel / Subtract inhibit
- Supervisor at Cancel / Subtract
- Gift Certificate
- Duplicate Receipt
- Pay At Pump
- Scan Tender Image
- Bank Number Required
- Check Number Required

Automatic Declaration

- Auto declaration in Cashier / POS declaration
- Auto declaration in End Of Day

Open drawer:

- Open drawer deferred

OK Cancel Apply

## Other Enhancements

- 351522 – An option has been added to Code Distribution Services (CDS) to make backing up the ISS45 database optional when performing upgrades.
- 367892 – An overall certification of OPOS Common Controls v1.13 has been performed in this release and the ISS45 installation CD is shipped with Common Controls v1.13. Previously, this version of OPOS (deployed in 2010) was certified on specific hardware only.
- 374764 – The WPSCO.DLL (Self-Checkout Interface Module) has been modified in this release to provide to the ability to specify an IP address when calling SCO\_StartClient(). This will allow a POS running as a Virtual Machine to connect with its own IP address rather than always defaulting to the local host (of 127.0.0.1).
- 385622 – HASP position 31 is now used to enable self-checkout functionality in this release. In the event that the HASP key on the MFS does not have bit 31 enabled, the POS automatically exits after reading the POS Parameters file (posconf.qdx) at startup or upon receiving maintenance for posconf.qdx. The line “POS Configured for SCO but SCO HASP option not set!! EXITING POS.” will be written WINPOS.LOG file when this happens.
- 395915 – The latest TLOG Viewer (POSTT) is packaged in this release.
- 395916 – NCR options have been removed from the POS Install (and the base POS install is now used for all).
- 399805 – ISS45 now supports mapping card-based tender keys for configuring self-checkout terminals. (**Note:** This requires a modified SCOTTEND.000 file provided by Retailix Channel Partners).
- 405269 – TFRemaSrv has been updated to include for an additional "ItemLineTaxReductionAmount" field in the TransactionItemLineTax structure to provide a proper upload to Analytics.
- 406743 – A fuel voucher can no longer be used more than once (in both Pay-at-Pump and Pre-Pay transactions) if the voucher is scanned again before the original sale has completed. The voucher is now marked as redeemed immediately after it is scanned / entered.

- 408564 - This release was tested with the following Windows Updates.
  - MFS1 - Nobilis - Windows 7 Profession SP1
  - POS - Fujitsu 3K - WePOS.
  - Fujitsu 3600 running POSReady 2009
  - NCR 82XRT running Windows Embedded SP1
- 416130 – The release was tested with the following Connected Payments and WinEPS versions:
  - Connected Payments
    - MTX\_EPS.dll version 828.1.11.625
    - MTX\_SE.dll version 828.1.0.3
    - MTX\_POS.dll version 828.1.0.98
  - WinEPS
    - MTX\_EPS.dll version 828.0.1.372
    - MTX\_POS.dll version 828.0.1.207
- 426617 – Version 828.1.0.98 of MTX\_POS.DLL must be used to support Ohio SmartCard WIC EBT.
- 432999 - Expand logging in rtapsclient.dll. Previously, this logging had been truncated when a crash was encountered. This log will restore full messages in the rtapsclient.log.

# Technical Reference Appendix

## Modified TLOG Transactions

A new bit in the Clubcard Extension transaction (0x60 0x3B) designates a new Live Naturally Loyalty Card has been entered into the ticket.

| Bytes | From | To | Data              | Bits  | Explanation                 | Remarks                     |
|-------|------|----|-------------------|-------|-----------------------------|-----------------------------|
| 1     | 0    | 1  | Opcode            |       | 60 – Log Information        |                             |
| 1     | 1    | 2  | Function          |       | 0 X 3B – Clubcard Extension |                             |
| 1     | 2    | 3  | Flag              | bit 0 | Bio FreqShop flag           |                             |
|       |      |    |                   | bit 1 | Clubcard ext 2              |                             |
|       |      |    |                   | bit 2 | New Custom Loyalty Card     | Live Naturally Loyalty Card |
|       |      |    |                   | bit 3 | Nu_001                      |                             |
|       |      |    |                   | bit 4 | Nu_001                      |                             |
|       |      |    |                   | bit 5 | Nu_001                      |                             |
|       |      |    |                   | bit 6 | Nu_001                      |                             |
|       |      |    |                   | bit 7 | Nu_001                      |                             |
| 40    | 3    | 43 | PBT Customer Name |       |                             |                             |
| 1     | 43   | 44 | Loyalty State     |       |                             |                             |
| 20    | 44   | 64 | Tail              |       |                             |                             |
| 64    |      |    | Total             |       |                             |                             |

A new TLOG Transaction (0x80 0x1A) is used to record the new Living Naturally Loyalty card number scanned at the POS (but not in the local database).

| Bytes | From | To | Data        | Bits | Explanation | Remarks |
|-------|------|----|-------------|------|-------------|---------|
| 1     | 0    | 1  | Opcode      |      | 80          |         |
| 1     | 1    | 2  | SubOpcode   |      | 0x1A        |         |
| 7     | 2    | 9  | Card Number |      |             | BCD     |
| 35    | 9    | 44 | Reserved    |      |             |         |
| 20    | 44   | 64 | Tail        |      |             |         |
| 64    |      |    | Total       |      |             |         |

A new TLOG Transaction (0x80 0x1B) used to record Living Naturally Loyalty Program Serialized Coupons tendered at the POS.

| Bytes | From | To | Data          | Bits | Explanation | Remarks         |
|-------|------|----|---------------|------|-------------|-----------------|
| 1     | 0    | 1  | Opcode        |      | 80          |                 |
| 1     | 1    | 2  | SubOpcode     |      | 0x1B        |                 |
| 8     | 2    | 10 | Coupon Number |      |             | BCD             |
| 4     | 10   | 14 | Coupon Amount |      |             | Redeemed Amount |
| 2     | 14   | 16 | Coupon Status |      |             |                 |
| 28    | 16   | 44 | Reserved      |      |             |                 |
| 20    | 44   | 64 | Tail          |      |             |                 |
| 64    |      |    | Total         |      |             |                 |

A new bit in the Media Extension Record transaction (0x14) designates a tendered serial coupon.

| Bytes | From | To | Data                  | Bits  | Explanation          | Remarks  |
|-------|------|----|-----------------------|-------|----------------------|----------|
| 1     | 0    | 1  | Opcode record         |       | 14 – Media extension |          |
| 2     | 1    | 3  | Number                |       |                      |          |
| 1     | 3    | 4  | Fee type              |       |                      |          |
| 1     | 4    | 5  | Table Number          |       |                      |          |
| 1     | 5    | 6  | Flag 1                |       |                      |          |
|       |      |    |                       | bit 0 | Tender_req_add_fee   |          |
|       |      |    |                       | bit 1 | Fee Tender           |          |
|       |      |    |                       | bit 2 | Payment is change    |          |
|       |      |    |                       | bit 3 | MICR used            |          |
|       |      |    |                       | bit 4 | WIC Tax Exempt       |          |
|       |      |    |                       | bit 5 | Tender Correction    |          |
|       |      |    |                       | bit 6 | Duplicate Receipt    |          |
|       |      |    |                       | bit 7 | Barcoded tender      | Coinstar |
| 21    | 6    | 27 | Extension Description |       |                      |          |
| 9     | 27   | 36 | Bank Account          |       |                      |          |
| 6     | 36   | 42 | Check Number          |       |                      |          |
| 1     | 42   | 43 | Flag 2                |       |                      |          |
|       |      |    |                       | bit 0 | Deposit              |          |
|       |      |    |                       | bit 1 | Withdrawal           |          |
|       |      |    |                       | bit 2 | Coupon Coin Sale     |          |
|       |      |    |                       | bit 3 | opt_bag_refund       |          |

| Bytes | From | To | Data  | Bits     | Explanation              | Remarks                      |
|-------|------|----|-------|----------|--------------------------|------------------------------|
|       |      |    |       | bit 4    | Cashback balance         | Cashback balance transaction |
|       |      |    |       | bit 5    | EFT_ext                  |                              |
|       |      |    |       | bit 6    | EFT Force Transaction    |                              |
|       |      |    |       | bit 7    | Debit savings            |                              |
| 1     | 43   | 44 | Flag  |          |                          |                              |
|       |      |    |       | bit 0    | PIN used                 |                              |
|       |      |    |       | bit 1    | Tender rewarded          |                              |
|       |      |    |       | bit 2    | Pre-Auth                 | Fuel PrePay                  |
|       |      |    |       | bit 3    | Pre-Auth Complete        | Fuel PrePay Complete         |
|       |      |    |       | bit 4    | Pre-Auth Voided          | Fuel PrePay Voided           |
|       |      |    |       | bit 5    | Serialized Coupon Tender |                              |
|       |      |    |       | bits 6-7 | Not Used                 |                              |
| 20    | 44   | 64 | Tail  |          |                          |                              |
| 64    |      |    | Total |          |                          |                              |

Three flags (Credit Pre-Authorization, Credit Pre-Authorization Complete and Credit Pre-Authorization Voided) have been added to the Media Extension TLOG transaction 0 x 14 (Media Extension Transaction):

| Bytes | From | To | Data | Bits     | Explanation       | Remarks              |
|-------|------|----|------|----------|-------------------|----------------------|
| 1     | 43   | 44 | Flag |          |                   |                      |
|       |      |    |      | bit 0    | PIN used          |                      |
|       |      |    |      | bit 1    | Tender rewarded   |                      |
|       |      |    |      | bit 2    | Pre-Auth          | Fuel PrePay          |
|       |      |    |      | bit 3    | Pre-Auth Complete | Fuel PrePay Complete |
|       |      |    |      | bit 4    | Pre-Auth Voided   | Fuel PrePay Voided   |
|       |      |    |      | bits 5-7 | Not Used          |                      |

The Info2 Ticket Type transaction (0x70 0x33) has been modified in this release. Ticket Type 21 indicates a PDX Rx Transaction.

| Bytes | From | To | Data     | Bits | Explanation                    | Remarks |
|-------|------|----|----------|------|--------------------------------|---------|
| 1     | 0    | 1  | Opcode   |      | 70 – Log Information           |         |
| 1     | 1    | 2  | Function |      | 0 x 33 Trans Info2 Ticket Type |         |

| Bytes | From | To | Data        | Bits | Explanation  | Remarks |
|-------|------|----|-------------|------|--|---------|
| 2     | 2    | 4  | Ticket Type |      | 1 – Add Customer<br>2 – Modify Customer (includes delete)<br>3 – Add Layby<br>4 – Modify Layby (includes delete)<br>5 – Layby Payment<br>6 – Finalize Layby<br>7 – Cancel Layby (customer)<br>8 – RTS Confirmation<br>9 – Refund Unclaimed deposit<br>10 – Payment reversal<br>11 – Cancel Layby (store)<br>12 – Loyalty Message Ticket<br>13 – Delivery Ticket (Stock Management DLL)<br>14 – Stock Provider Request (Stock Management DLL)<br>15 – Third Party Loyalty Active<br>18 – NCR Copient Loyalty Comm Log<br>19 – XML ticket data<br>20 – Dynamic Receipt Printing Data<br>21 – RX information – PDX Pharmacy |         |

The Transaction External Data (0x95) transaction has been modified in this release to include PDX Sold Request data.

| Bytes | From | To | Data      | Bits | Explanation   | Remarks              |
|-------|------|----|-----------|------|---|----------------------|
| 1     | 0    | 1  | Opcode    |      |   |                      |
| 1     | 1    | 2  | Data Type |      | 1 – Loyalty Message (zipped XML)<br>2 – Stock Messages<br>3 – Stock Print Messages<br>4 – Copient (Logix) NCR Loyalty Transaction Log<br>5 – POS transaction schema in XML format<br>6 – POS transaction data in XML format | Next data types here |

| Bytes | From | To | Data  | Bits     | Explanation          | Remarks |
|-------|------|----|-------|----------|----------------------|---------|
|       |      |    |       |          | 7 – Reserved IL      |         |
|       |      |    |       |          | 8 – PDX Sold Request |         |
|       |      |    |       |          | 9 – MDot Msg3        |         |
| 41    | 2    | 43 | Data  |          |                      |         |
| 1     | 43   | 44 | Flag  |          |                      |         |
|       |      |    |       | Bit 0    | Start Bit            |         |
|       |      |    |       | Bit 1    | End Bit              |         |
|       |      |    |       | Bits 2-6 | Data Length          |         |
| 20    | 44   | 64 | Tail  |          |                      |         |
| 64    |      |    | Total |          |                      |         |

## 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 Retalix 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  |
|------------|---|---|
| 158192     | New Item Maintenance Logging and Alerts | The New Item Maintenance Logging and Alerts feature is available for the current release only (and will not be made compatible with previous ISS45 releases). |
| 295151     | Pre-Pay Receipts at the Pump            | The Pre-Pay Receipts at the Pump feature is available for the current release only (and will not be made compatible with previous ISS45 releases).            |
| 303829     | Audible Alert when Pump Handle Lifted   | The Audible Alert when Pump Handle Lifted feature is available for the current release only (and will not be made compatible with previous ISS45 releases).   |
| 305114     | Fuel Discounts by Tender                | The Fuel Discounts by Tender feature is available for the current release only (and will not be made compatible with previous ISS45 releases).                |

| <b>FSD Number</b> | <b>Enhancement</b>                            | <b>Out of Scope</b>   |
|-------------------|---|---|
| 315528            | Pre-Pay Change Returned to Credit Card        | The Pre-Pay Change Returned to Credit Card feature is available for the current release only (and will not be made compatible with previous ISS45 releases).            |
| 339187            | Customer Display Change for EBT               | The Customer Display Change for EBT feature is available for the current release only (and will not be made compatible with previous ISS45 releases).                   |
| 369850            | Check Flip Support for NCR 7167\7168 Printers | The Check Flip Support for NCR 7167\7168 printer modification is available for the current release only (and will not be made compatible with previous ISS45 releases). |
| 382497            | Stacked Fuel Rewards                          | Stacked Fuel Rewards is available for the current release only (and will not be made compatible with previous ISS45 releases).  |
| 384655            | Manual Discount Function Change               | Any changes to how Keyboard Function 1412 handles MSU items.  |
| 401801            | Support for WIC Programs with Cost Plus       | Support for WIC Programs with Cost Plus is available for the current release only (and will not be made compatible with previous ISS45 releases).                       |

| FSD Number | Enhancement  | Out of Scope   |
|------------|--|--|
| 402368     | Savings Receipt Line Threshold                           | The Savings Receipt Line Threshold enhancement is available for the current release only (and will not be made compatible with previous ISS45 releases).               |
| 402749     | Alternate ID Lookup at the Pump                          | The Alternate ID Lookup at the Pump feature is available for the current release only (and will not be made compatible with previous ISS45 releases).                  |
| 403807     | Ohio Smart Card EBT WIC                                  | Ohio Smart Card EBT WIC is available for the current release only (and will not be made compatible with previous ISS45 releases).                                      |
| 408243     | Retailx Loyalty Alternate ID PIN Pad Entry               | Retailx Loyalty Alternate ID PIN Pad Entry feature is available for the current release only (and will not be made compatible with previous ISS45 releases).           |
| 413494     | POS Check of Supervisor Authorization in PLU Maintenance | The POS Check of Supervisor Authorization in PLU Maintenance is available for the current release only (and will not be made compatible with previous ISS45 releases). |
| 413499     | Alternate ID Lookup on Self-Checkout                     | The Alternate ID Lookup on SCO feature is available for the current release only (and will not be made compatible with previous ISS45 releases).                       |
| 432997     | Logging to RtapsclientCOM.dll                            | Logging to Rtapsclient.dll 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  |
|------------|---|---|
| 295151     | Pre-Pay Receipts at the Pump                | <ol style="list-style-type: none"> <li data-bbox="581 653 1382 722">1. An Allied Controller (NeXGen or ANDI) forecourt controller is required.</li> </ol>   |
| 303829     | Audible Alert when Pump Handle Lifted       | <ol style="list-style-type: none"> <li data-bbox="581 827 1094 854">1. Wayne or Gilbarco pumps are required.</li> </ol>   |
| 315030     | Fuel Purchase Limits for Cents Off Vouchers | <ol style="list-style-type: none"> <li data-bbox="581 938 1248 966">1. An Allied Controller (ANDI / NeXGen) must be in use</li> <li data-bbox="581 1003 1321 1115">2. The Redemption (Enhanced) Promotion must be properly configured for the voucher discount and gallon limit in the Front Office.</li> <li data-bbox="581 1152 1284 1222">3. The grades that qualify for the cents-off-per-gallon fuel voucher must be attached to the promotion.</li> <li data-bbox="581 1260 1377 1329">4. The template that prints the barcode on the voucher must include the Enhanced Promotion ID for redeeming the voucher</li> </ol> |
| 315528     | Pre-Pay Change Returned to Credit Card      | <ol style="list-style-type: none"> <li data-bbox="581 1436 1377 1463">1. RGP Connected Payments (version 828.1 or higher) is required.</li> </ol>   |
| 346040     | Virginia Online WIC EBT                     | <ol style="list-style-type: none"> <li data-bbox="581 1562 1382 1673">1. Use of the same Retailix Global Payment DLL versions that were certified with the Michigan Online WIC EBT program is required.</li> </ol>  |

| FSD Number | Enhancement                                       | Dependencies   |
|------------|---|--|
| 377589     | New Retailx Loyalty Parameter                     | <ol style="list-style-type: none"> <li>The General System Parameter “Retailx Loyalty in System” (located in the Store \ Technical \ Retailx Loyalty folder) must be set to “Yes”.</li> </ol>   |
| 316022     | Fujitsu U-SCAN Self-Checkout Support for DRE      | <ol style="list-style-type: none"> <li>Registry: Set this DWORD value to 1. If the key is not there, add it:<br/>           \\ HKEY_CURRENT_USER \ Software \ OptimalRobotics \ Robot \ OrderManager \ PrintCustRcptImmediateOnBetweenOrders</li> <li>C: \Program Files\POSWare\WinPOS\VPOSCFG.INI (Add the following lines under the {VPOSConfig} section:<br/>           UseDynamicReceipt=1<br/>           PrintDynamicReceiptHeader=1</li> </ol>   |
| 322087     | Fleet Card Differentiation for Zip Code Prompting | <ol style="list-style-type: none"> <li>In the payments configuration (Card Processing Profiles), confirm the prompt for zip code is not checked for Fleet Cards.</li> <li>Turn off the option to prompt for Zip Code the first card swipe in order to react to the F2 decline if returned. This allows for not prompting for the Zip Code on any credit but if the card happens to be Fleet, the payment system will return the already supported F1 decline with the prompt fields required to complete the Fleet transaction.</li> </ol> |
| 328598     | IBM 67 Key Keyboard Support                       | <ol style="list-style-type: none"> <li>In POST Configuration, the keyboard must be set to “Standard” and the “Use OPOS” checkbox must be set.</li> <li>The Keyboard Driver Name must be set to “POSKybd”.</li> </ol>   |
| 350987     | West Virginia Online WIC EBT                      | <ol style="list-style-type: none"> <li>Use of the same Retailx Global Payment DLL versions that were certified with the Kentucky Online WIC EBT program are required</li> </ol>  |
| 426283     | New Retailx Job Agent                             | <ol style="list-style-type: none"> <li>The “UseRetailxJobs” registry entry (in the HKEY_LOCAL_MACHINE \ SOFTWARE \ Retailx \ JOBS folder) must be set to “1”.</li> </ol>   |





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