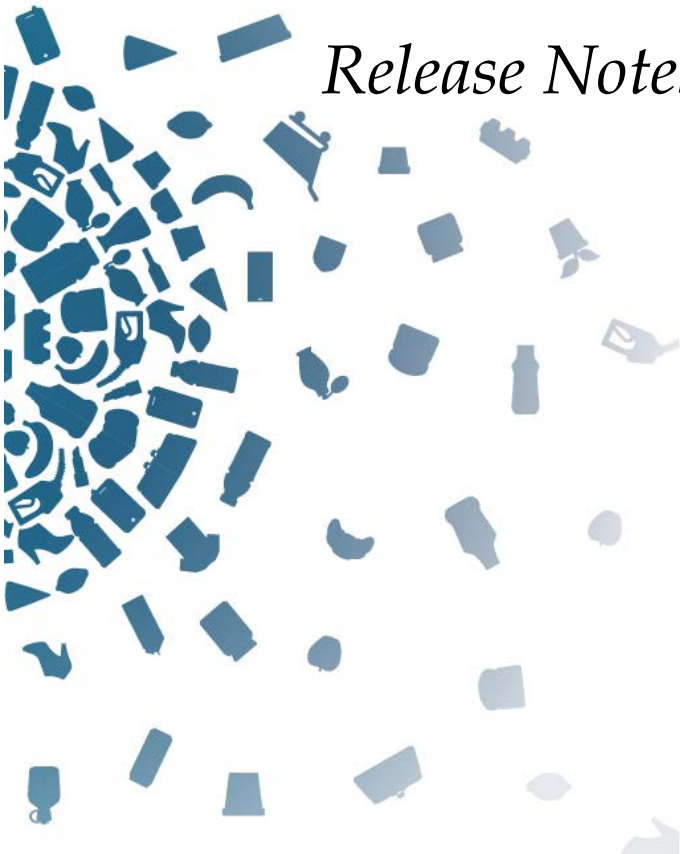




*Release Notes & What's New*

*ISS45 8.1.7.0-150*



## ISS45 Release Notes and What's New

Date of Issue	Product ID Num.	Part Number	Brief Description
January 2005	45001/081	89000195	Initial Release
Other Releases: 89000233, 89000263, 89000263, 89000308, 89000308, 89000401, 89000417, 89000416, 89000480, 89000490, 89000508, 89000521, 89000532, 89000547, 89000573, 89000583, 89000587, 89000590, 89000613, 89000641, 89000658, 89000683, 89000692, 89000693, 89000712, 89000720, 89000734, 89000737, 89000740, 89000747			
December 2012	45001/081	89000748	8.1.5.4-100 Release
February 2013	45001/081	89000758	8.1.6.0-110 Release
May 2013	45001/081	89000767	8.1.6.0-130 Release
August 2013	45001/081	89000782	8.1.7.0 Release
September 2013	45001/081	89000791	8.1.6.0-140 Release
September 2013	45001/081	89000792	8.1.7.0-060 Release
October 2013	45001/081	89000793	8.1.7.0-080 Release
November 2013	45001/081	89000794	8.1.6.0-150 Release
December 2013	45001/081	89000796	8.1.7.0-090 Release
May 2014	45001/081	89000812	8.1.7.0-120 Release
October 2014	45001/081	89000815	8.1.7.0-150 Release

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# Introduction

Enhancements were recently made to the Retailix ISS45 system. The changes are reflected in the accompanying ISS45 8.1.7.0-150 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading. Following the change description is an abbreviation of the ISS45 area affected:

(FO) – Front Office

(POS) – WinPOS

The enhancements explained in the following pages 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 8.1.7.0-150 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.**

## 399114 – HASP Control for Self Checkout (Sys)

HASP position 31 is now used to enable self-checkout functionality in this release. This affects all Self-Checkout systems including, but not limited to Fujitsu U-Scan and NCR SSCO.

**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.**

## 403805 – 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".

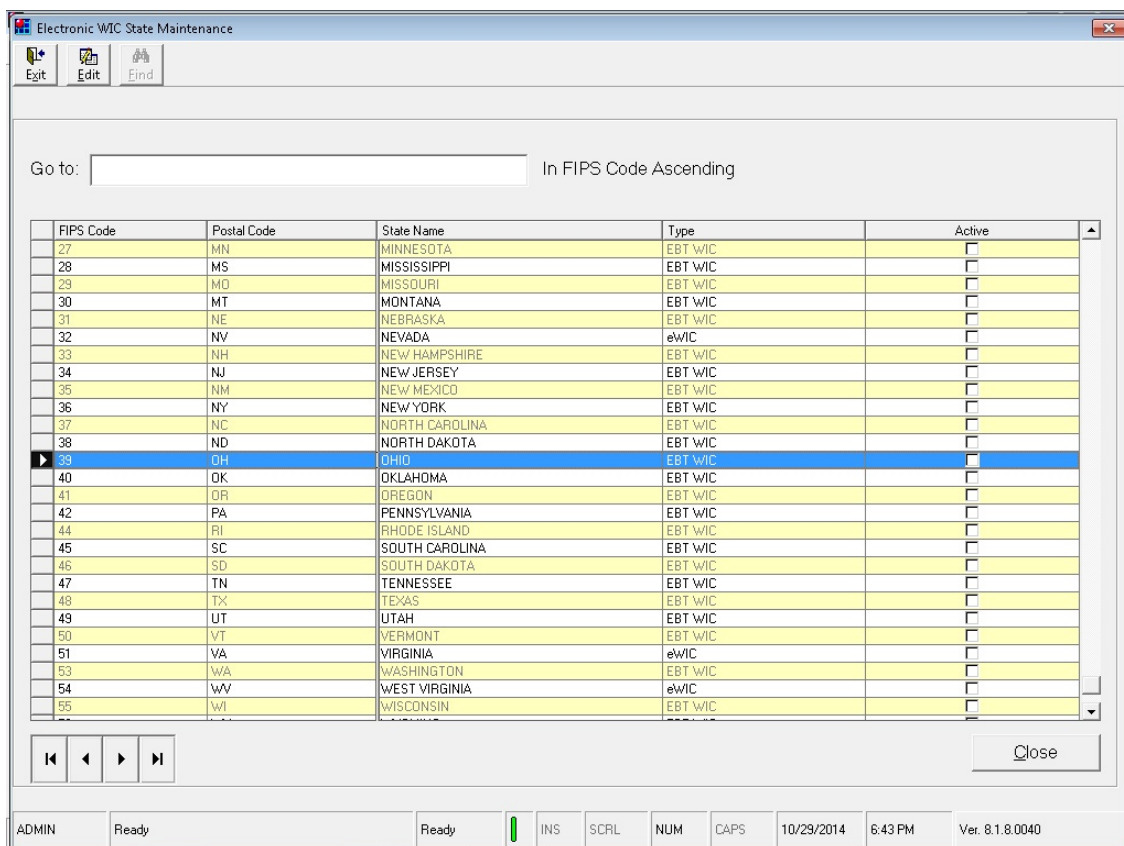
**Note:**

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.

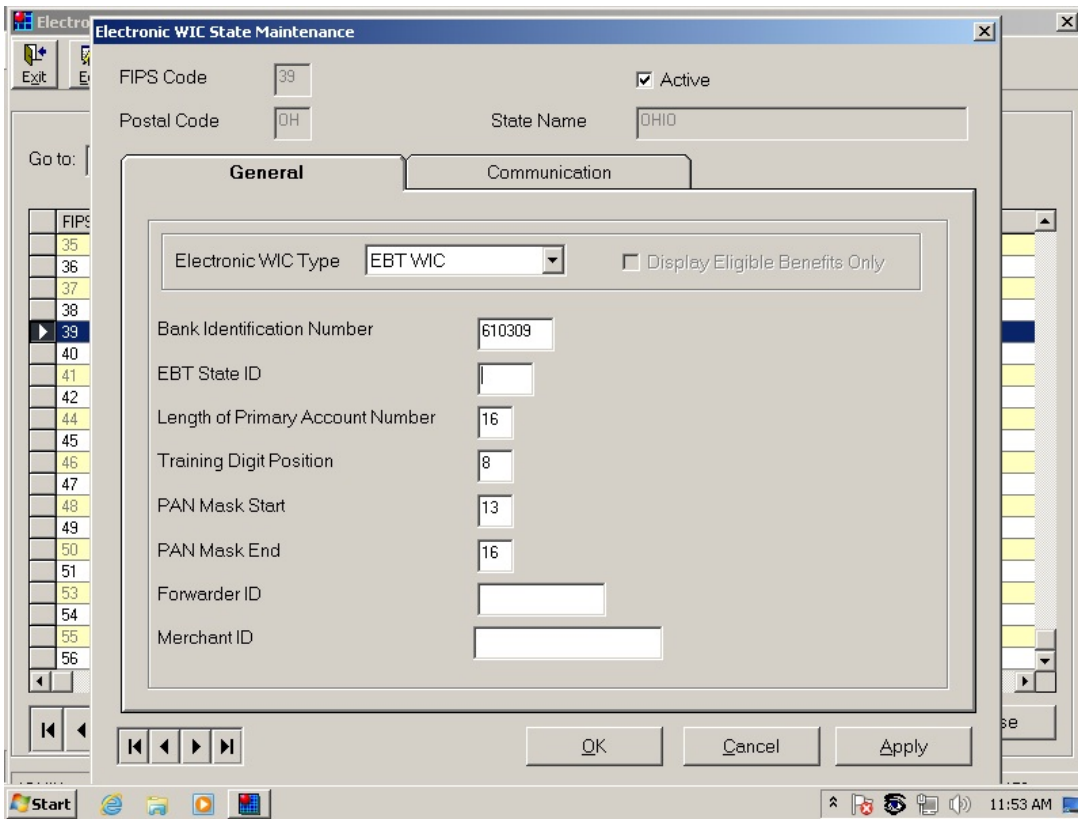
The MTX\_POS.DLL for Ohio Smart Card WIC EBT which is deployed with the 8.1.7.0-150 package upgrade is version 828.1.0.98

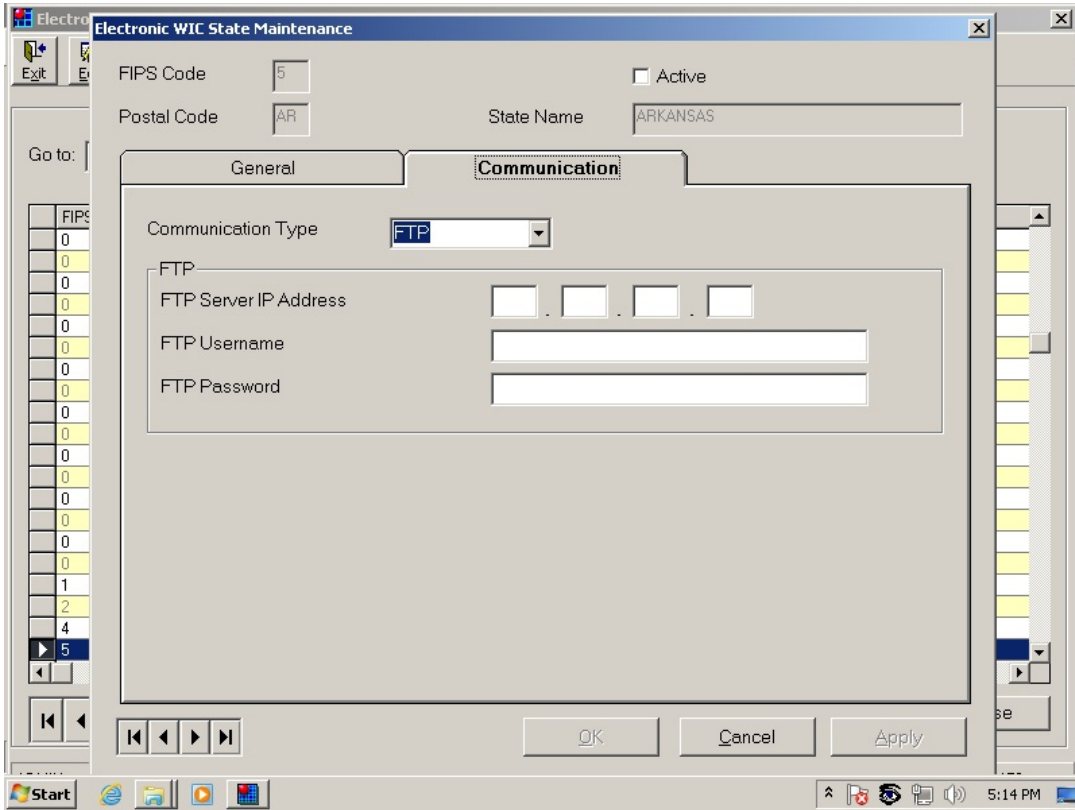
To configure Ohio WIC, select Ohio from the list of WIC EBT state WIC agencies as shown in the screen below.

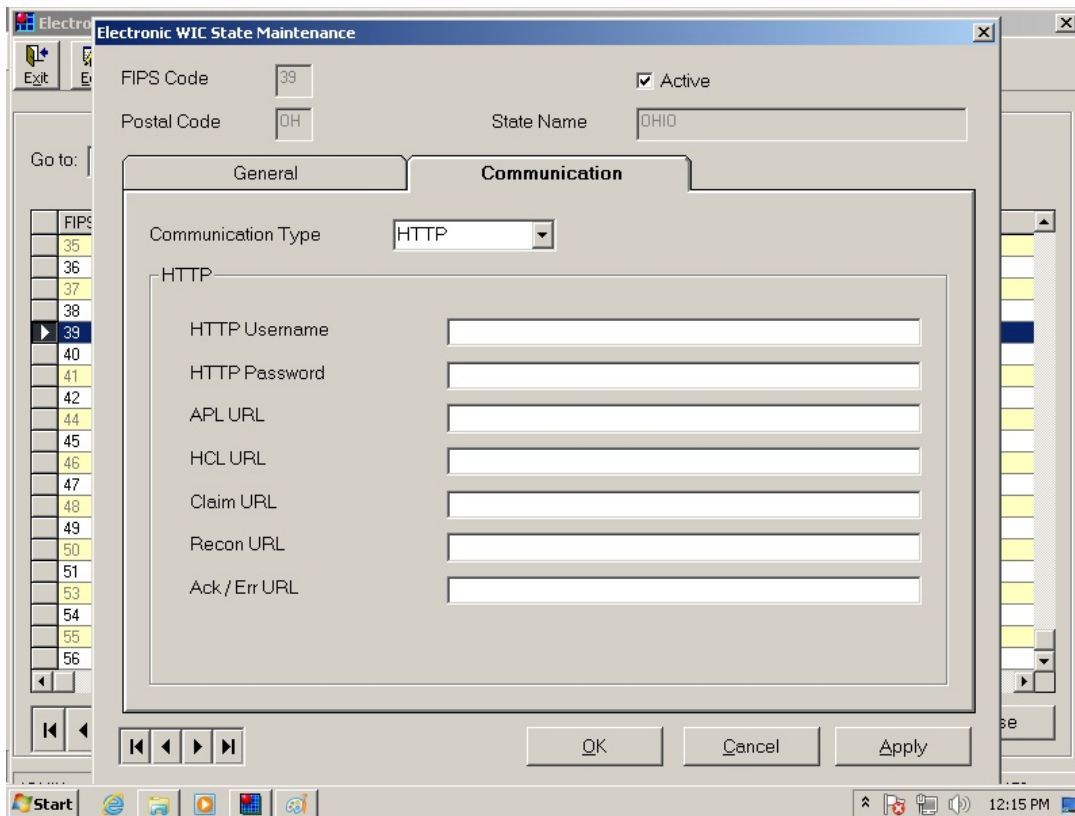


This will bring up a new enhanced WIC State maintenance configuration screen which now has two tabs. The first tab is for general WIC setup options and the second tab is for selection of communication type and configuration of the associated addresses.

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
  - a. 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;

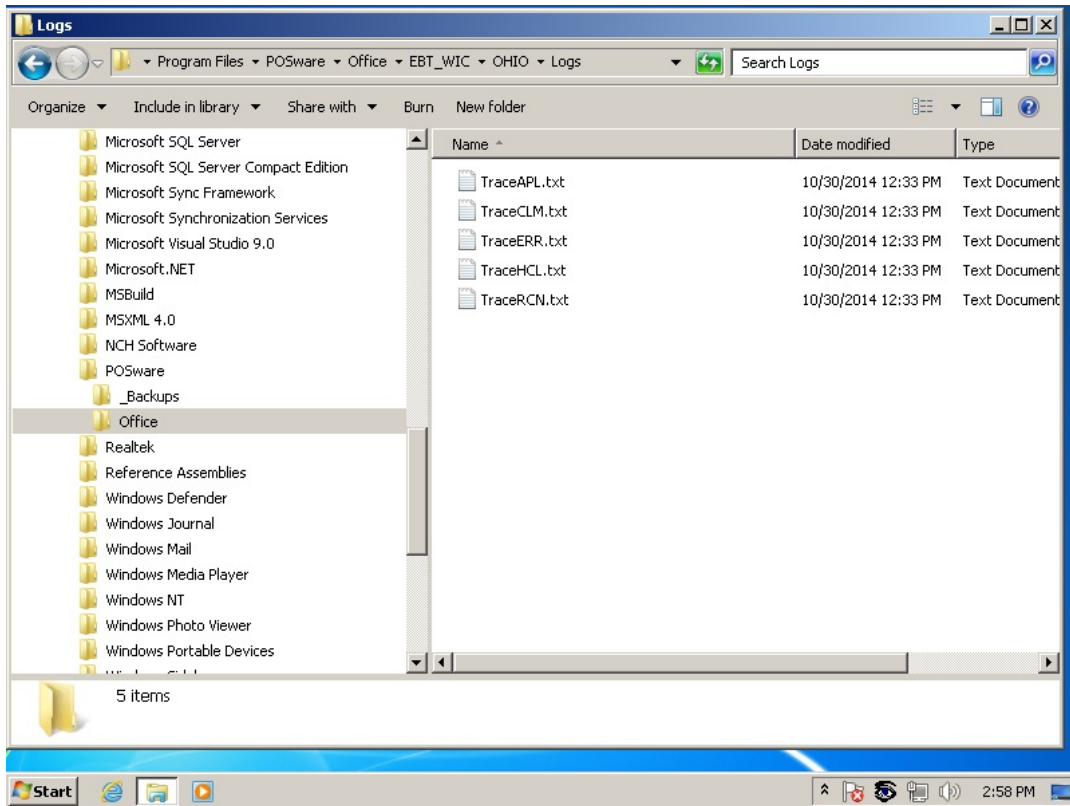
WWWW - 4 Digit WIC ID  
Y- Last Digit of the Current Year  
JJJ- Current Julian Date  
T - File Type  
    S – Claim File  
    A - Reconciliation File  
    K – Acknowledgement File  
xx- Sequence Number starting with “00”

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 near 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..On..mqvzds..E.I..d[..6[.....h]...Yt.t.>7...<|...
0040: .....
== Info: SSLV3, TLS handshake, CERT (11):
<= Recv SSL data, 2479 bytes (0x9af)
0000: .....c&AE.1.L~.0...*.H.....0H1.0...
0040: U...US1.0...U...Digicert Incl'0...U...Digicert Secure Server
0080: CA0...140401000002...150830120000Z011.0...U...US1.0...U...Ohio
00C0: 1.0...U...Columbus1'0...U...Ohio Department of Health1.0...U...
0100: ..*.odh.ohio.gov0...'0...*.H.....0.....$1$.k5<...p
0140: ')j..). ....7t.....i...../3.arw..U...".jc.zzp..l...
0180: .U.p.k|...Pug.).....G..h.w...t.g...t.g...gh.I..
01C0: .....2+...../..w...Q.m:...H..I].../...*+...c1$.8.....8[L=
0200: e.....Ht...?.....j...3%F..Lk...!$W..R#9.....0...0
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.%..
02C0: 0...+.....0a..U...Z0X0*..(&.$http://cr13.digicert.co
0300: m/ssca-g5.cr10*..(&.$http://cr14.digicert.com/ssca-g5.cr10b..U.
0340: ;0907...H...1..0*0(..+.....https://www.digicert.com/CPS0x.
0380: +.....10j0$.+.....0...http://ocsp.digicert.com0B..+.....0..
03C0: 6http://cacerts.digicert.com/DigicertSecureServerCA.crt0...U...
0400: ..0.0...*.H.....Nw...n...S.)R...y3...wz0...K.A.
0440: ..xf.9...>...U]..Ho...7#w..Z.h.../pg...SAX:V...8I...V..<
0480: *.....2-73E...=Y...F..l...j...#..6...t...DQv1.....C.B\D
04C0: ~...0#;...t..E...{1."$. ....C/.....1.....2...<.6...%...>!
0500: >b....d.H..O..+I.....$5...0...0.w.....b.....z.....@70...*
0540: .H.....0a1.0...U...US1.0...U...Digicert Incl'0...U...www.d
0580: igicert.com1.0...U...Digicert Global Root CA0...13030812000Z..
05C0: 230308120000Z0H1.0...U...US1.0...U...Digicert Incl'0...U...Di
0600: gicert Secure Server CA0...'0...*.H.....0.....W..l...
0640: 7~.a...ud.P..6D$no.z".j.jp.8...e.J..1...c.j.cy.#...vJP5
0680: ..q8...B..8&y0...?Ax...~1].....+...k.I.....>
06C0: ..D.Bs..a..J.(...I..j...W.....b/h.....+...b...=.....e/%8.
0700: ..Fx..A...l.$...0..U...0...I).Z..&7$0.H.l.Y.....h..E.....
0740: Z0..v0...U...0...0...0...U.....04..+.....(0&0$.+..
0780: ..0...http://ocsp.digicert.com0{..U...t0r07.5.3.1http://cr13.di
07C0: gicert.com/DigicertGlobalRootCA.cr107.5.3.1http://cr14.digicert.
0800: com/DigicertGlobalRootCA.cr10=.U..60402..U..0*0(..+.....h
0840: ttps://www.digicert.com/CPS0..U.....q.7.s.....4.+z...0...U.
0880: #..0...P5V.L.f.....=U0...*.H.....0...Q.....i
08C0: ..@ut..X..O.....&.Q...L@...<q.s...n...Z..Q'...jo..i
0900: ..N...x.3...}q.pc...B.e...}.e.b.l\...l..+vY..e..j].../".8
0940: ...k]F..t..J...{..k.lz@.i...:e18...U..kA..(F..J).H^..E.
0980: ..4.pk.9...w1.I.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

```

## **408547 – 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.

## **410064 – 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.

## 411131 – 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

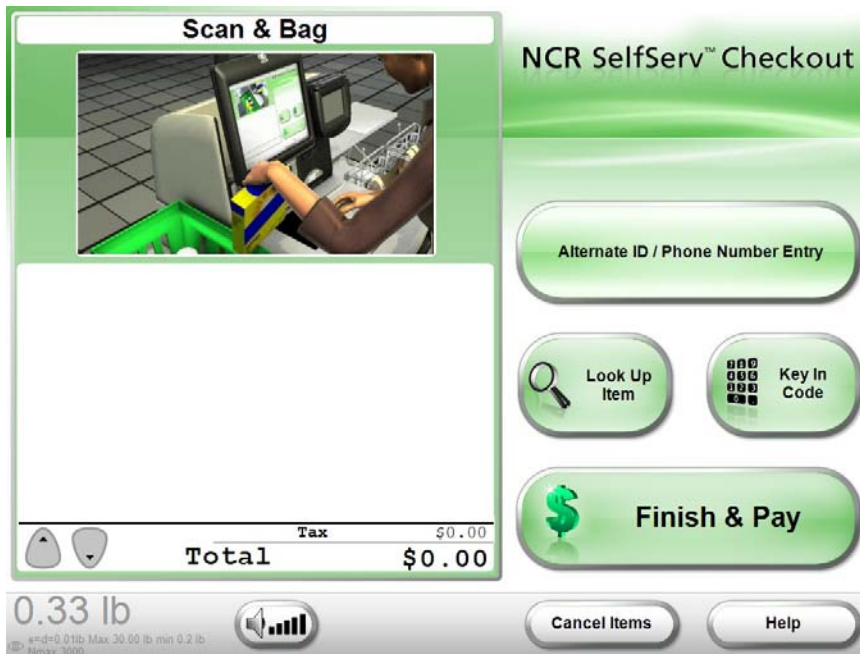
When a tender is configured with the "Open Drawer Deferred" option enabled, the POS now completes the ticket with other tenders that do not require a drawer-open and then opens the drawer for the deferred tender (regardless of whether there is change due).

## 413485 – Alternate ID Lookup on Self-Checkout (POS)

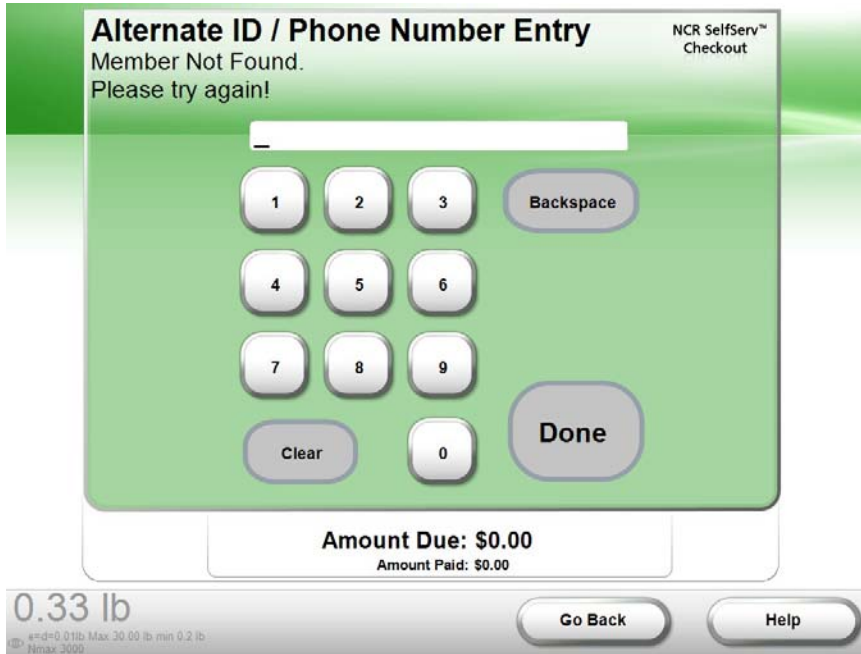
ISS45 now supports receiving an Alternate ID request from NCR SSCO self-checkout systems. When the SCO\_VALIDATE\_CLUBCARD message is received (with a phone number entry), ISS45 processes the phone number Alternate ID lookup as if it were entered at the POS. If a member is associated with the phone number, 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:

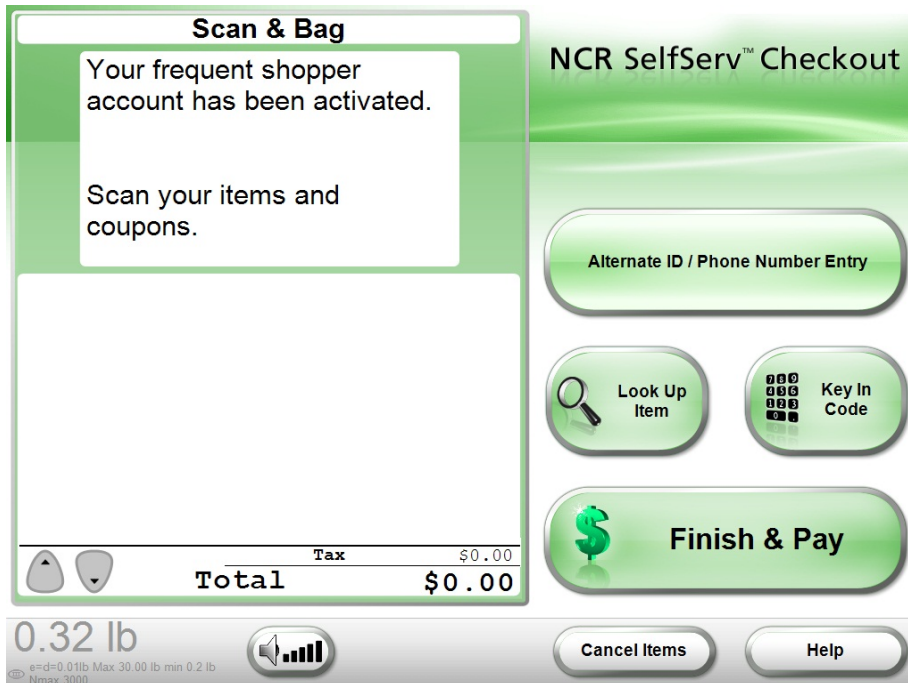
If multiple member numbers are associated with the entered phone number, the first member number located will be inserted into the ticket.



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



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



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

## 413493 – 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 displays the PLU Maintenance interface. At the top, the 'Item Number' field contains '20' and the 'Description' field contains 'Super read'. Below these fields is a navigation bar with tabs: 'Basic Setup', 'Param 1', 'Param 2', 'Cost and Sales', 'Promo', 'Shelf Labels and OEM', 'Price Lists', and 'Dynamic Attributes'. The 'Basic Setup' tab is active, showing a 'General' section with several checkboxes. The 'Super Auth Required' checkbox is checked and circled in red. Other checkboxes in the 'General' section 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', and 'Exclude From Promotions'. To the right, there is a 'Coupon Setting' section with checkboxes for 'Store Coupon', 'Vendor Coupon', and 'Bonus Coupon', and two 'Family Code' input fields. Below that is a 'Restrictions' section with a 'Prohibit Sale' checkbox and a 'Restriction Layout' dropdown menu. To the right of the restrictions is a 'Quantity' section with checkboxes for 'Prohibit QTY/Repeat', 'Force Quantity', and 'Assume Quantity'. At the bottom, there are fields for '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.



## 414307 – 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

## Other Enhancements

- When the “Super Auth Required” flag is set in PLU Maintenance (Parameters 1 Tab), a supervisor authorization is now mandatory before the item can be added to the ticket.
- Starting with this patch release, the MTX\_POS.dll file will be distributed as the following files which will require the correct file manually copied to the live MTX\_POS.DLL file
  - MTX\_POS\_CP.dll                      Connected Payments
  - MTX\_POS\_WinEPS.dll   WinEPS
  - MTX\_POS\_Empty.dll      Use when NCR\Retalix Payments not used.

For a new installation, the installation program will copy the MTX\_POS\_CP.dll file to the live MTX\_POS.dll file.

For upgrades, it will be up to the installer to manually copy the appropriate dll file to the live MTX\_POS.dll file while first ensuring the proper version of CP/WinEPS is being used.

### **This release was tested with the following Windows Updates.**

- MFS1 - Nobilis - Windows 7 Profession SP1
- POS - Fujitsu 3K - WePOS.

*Note: The OS's on the IBM systems are too old for windows updates.*

# Technical Reference Appendix

## Out of Scope

A limitation of the new feature in this release is listed below (and was 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
403805	Ohio Smart Card EBT WIC	Enhancements made for Ohio Smart Card EBT WIC were made for the current release only (and will not be made to previous ISS45 releases).
408547	Support for WIC Programs with Cost Plus	Support for WIC Programs with Cost Plus is only for the current release (and will not be made to previous ISS45 releases).
410064	Daily EOM XML TLOG Extract Modification	The Daily EOM XML TLOG Extract Modification was made for the current release only (and will not be made to previous ISS45 releases).
411131	New Deferred Cash Drawer Open Option	The new Deferred Cash Drawer Open Option was made for the current release only (and will not be made to previous ISS45 releases).

<b>FSD Number</b>	<b>Enhancement</b>	<b>Out of Scope</b>
413485	Alternate ID Lookup on Self-Checkout	The Alternate ID Lookup on Self-Checkout feature was added for the current release only (and will not be made to previous ISS45 releases)
414307	Customer Display Scale Weight Tolerance Graphic	The Customer Display Scale Weight Tolerance Graphic was added for the current release only (and will not be made to previous ISS45 releases).

## Dependencies

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

FSD Number	Enhancement	Dependencies
403805	Ohio Smart Card EBT WIC	1. The state of Ohio must be configured in EBT WIC State Maintenance and set to a status of "Active".
399114	Support for WIC Programs with Cost Plus	1. The General System Parameter "Cost Plus in System" (located in the Store \ POST \ Monetary \ Cost Plus folder) must be set to "Yes".
411131	New Deferred Cash Drawer Open Option	1. For desired tenders, set the Tender Maintenance General Parameter Tab's Open Drawer field to "Open Drawer Deferred".



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