



ISS 45

 *Release Notes & What's New*

ISS45 8.1.6.0-060



ISS45 Release Notes & What's New

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Address comments and corrections to:

StoreNext Retail Technologies LLC
Software Program Director
797 Commonwealth Drive
Warrendale, PA 15086

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Introduction

Enhancements were recently made to the StoreNext ISS45 system. The changes are reflected in the accompanying ISS45 8.1.6.0-060 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:

(BO) – Back Office

(POS) – WinPOS

(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 StoreNext Support.

158716 – Drivers License Age Validation (FO/POS)

A customer's birth date can now be read from the driver's license 2D barcode and inserted into an ISS45 transaction. The date is used for age verification on age restricted items and eliminates the need for the cashier to manually enter the customer's birth date.

Note:

Two-dimensional (2D) barcode symbology is a technology used for compactly storing and retrieving information. These barcodes can be found on the back of drivers' licenses and are encoded with secure text data. A scanner that supports 2D barcodes is required. The parsing agent is not currently supported to read driver's licenses from all 50 states.

Front Office

Checkout Banks Maintenance

In support of this feature, a new Customer Age Verification Settings section has been added to the Checkout Banks Maintenance Screen's General Tab:

Checkout Banks

Checkout Bank Group No.:

Description:

Max percentage of tills to upgrade Simultaneously: Front End Terminals

Price List:

Linked POS | Open Loan Amount | Taxes | **General Parameters**

Q-File Parameters

Customer Age Verification Settings

q-load Prompt time out:

Customer Age Verification Settings

Read 2D Barcode for Age Verification

CC for manually entered Date of Birth:

General Options

PLU Group - Sort By:

Suppress Receipt Printing:

Automatic Secure Mode/Sign Off:

Number of minutes before automatic secure mode/sign off:

The following new fields appear:

Field	Description
Read 2D barcode for Age Verification	Check this field to allow the scanner to read the 2D barcodes for Age Verified items. If left unchecked, the cashier will be prompted to manually enter the customer's birth date.
CC for manually entered Date of Birth	The selected desired Control Check to issue on the POS after the 2D barcode is declined and the cashier manually enters customers Date of Birth.

POS

New POS Message

When the POS is linked to a checkout bank flagged to “Read 2D barcode for Age Verification”, the following screen appears on the Cashier Display:



The cashier scans the customer driver's license using the 2D barcode scanner. The third-party parsing agent parses the information and sends the customer's date of birth back to the POS to validate the age-restricted item.

If the Cancel/Clear key is pressed prior to the scan, the cashier is prompted for the manual entry of the customer's birth date. If the new "CC for manually entered Date of Birth" parameter (see above) is set, the designated Control Check is issued. If the Control Check is satisfied (and the customer is not underage) the item is added to the transaction.

New Birth Date Indicators

When the POS is linked to a checkout bank flagged to “Read 2D barcode for Age Verification”, the date of birth parsed from a scanned customer's drivers license appears both on the Cashier Electronic Journal and the customer receipt next to an “S” indicator (for “Scanned”). A manually keyed date of birth appears next to a “K” indicator (for “Keyed”).

Supervisor #999				
Coke - 12 pack			\$4.99	T
DEPOSIT A-1-				
1 @	2 FOR	\$2.00	\$1.00	F
Pepsi			\$1.50	F
Bag-O-Ice			\$0.99	F
Age Confirmed - 11/22/1972 S				
Miller Lite 12PK			\$6.99	T
Bag-O-Ice			\$0.99	F
5	Items		\$16.97	Balance Due

"Scanned" date of birth indicator

Age Confirmed - 11/22/1972 S

167124 – Magazine Issue Number Capture (FO/POS)

ISS45 now has the ability to read the issue number printed on a magazine's barcode to track the issue of the magazine is being sold and capture it in the TLOG file.

In previous releases, only the magazine's UPC-A barcode was scanned and its supplemental 2-digit (Issue Number) barcode was ignored. Until now the magazine's barcode and issue number were not recorded in the TLOG.

Barcodes for U.S. based magazines typically contains a twelve digit Universal Price Code (UPC) number, followed by a second barcode containing a 2-digit issue number. The barcodes are broken down in the following the following:

- 1) 2-digit Number System character, usually a "0" or "7"
- 2) 5-digit Vendor ID number
- 3) 5-digit Bipad or Product ID number
- 4) 1-digit Check Digit Number
- 5) 2-digit Issue Number

For example, a magazine barcode of "0-71486-02555-9-12", "0" is the Number System character, "71486" is the Vendor ID, "02555" is the Bipad number, "9" is the Check-Digit number and "12" is the Issue Number.

Note:

The 2-digit issue number varies with the issue published in a given year. For example a monthly magazine typically makes use of the issue numbers 01 through 12 for each of the 12 months of the year. Similarly, a bi-monthly makes use of the numbers 01, 02, 03, 04, 05, 06. A special issue, such as a buyer's guide or annual can be assigned the next number in sequence. For example, "13" may be assigned for a monthly special issue or "07" for a bi-monthly special issue. An issue number must be unique during a given year but can be repeated in subsequent years.

Front Office

Barcode Programming Maintenance

In support of this feature, a new Barcode Type of “Publication” has been added to the Database Management folder’s Barcode Programming Maintenance Application:

The screenshot shows the 'Barcode Programming' application window. The 'Barcode Type' dropdown menu is set to 'Publication'. A callout box with an arrow points to this dropdown menu, containing the text 'Barcode Type of "Publication"'. The 'Basic Setup' tab is active, showing three field type configurations:

Field Type	Field Type Selection	Offset	Length
Field Type 1	PLU Number	1	11
Field Type 2	Check Digit	12	1
Field Type 3	Issue Number	13	2

The following fields appears in Barcode Programming Screen for Barcode Types of “Publication”:

Field	Description
Field Type (1 through 3)	For Barcode Types of Publication , click the field’s selection arrow and select one of the following three fields to assign to a barcode field segment: PLU Number, Check Digit or Issue Number.

Note:

The Field Types must be setup in the order in which they appear in the barcode, which will be validated by ensuring the Offsets are in the proper order. The value in any one Field Type field cannot appear in another Field Type field.

Field	Description
Offset (1 through 3)	<p>For Barcode Types of Publication, enter the number of positions (from the first position), that contain the PLU Number, Check Digit or Issue Number.</p> <p>Note: The Offset/Length values for one Field Type cannot overlap with the Offset/Length values for another Field Type.</p>
Length (1 through 3)	<p>For Barcode Types of Publication, beginning with the Value Offset (above), enter the number of positions that contain the PLU Number, Check Digit or Issue Number of the corresponding Field Type (1 through 3).</p> <p>Note: The value of all Length fields added together cannot be greater than the value in the Barcode Length field.</p>

POS

When a cashier scans a magazine's barcode and the scanner is programmed to read the supplemental barcode, the POS will retrieve the entire barcode, including the issue number. If a matching publication barcode is found (as defined in Barcode Programming Maintenance), the PLU, Check Digit (if applicable) and Issue Number are extracted from the barcode and written to the TLOG through the PLU Sale Extension Record (0x11) transaction.

Note:

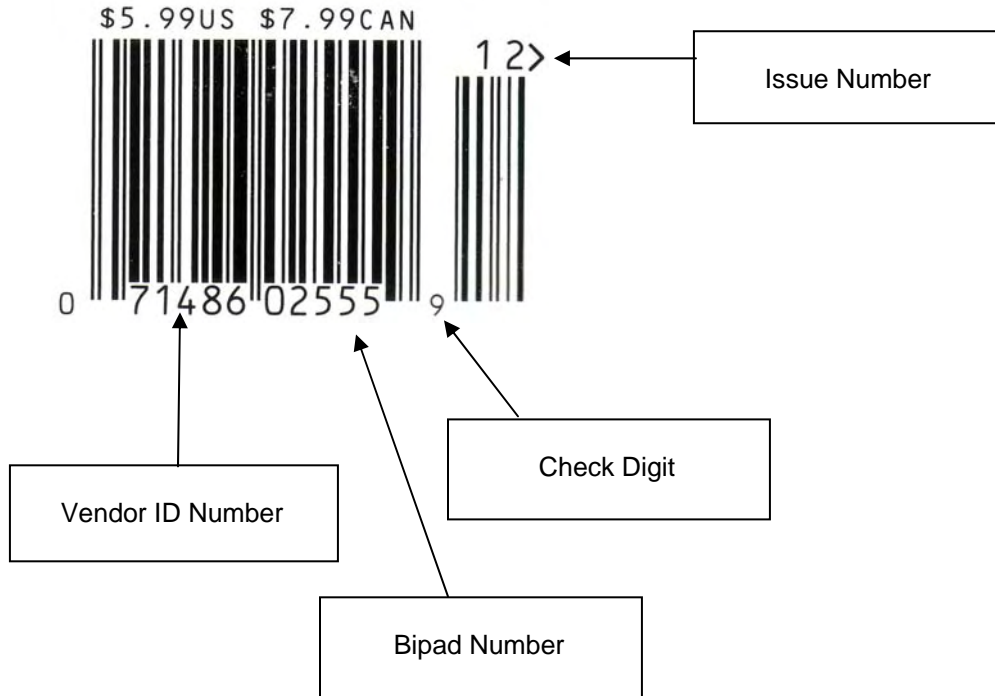
It is the store's responsibility to program the scanners to read the supplemental barcode format.

Note:

Manual entry of the supplemental barcode (2-digit issue number) is not supported.

Barcode Example

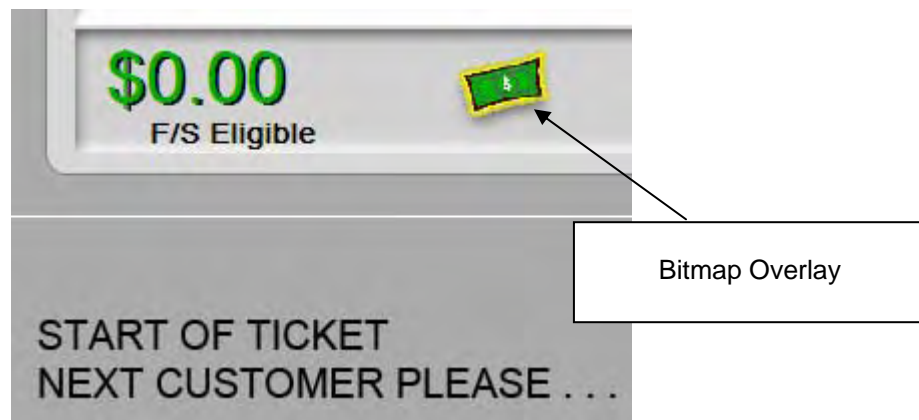
Below is an example of a magazine's supplemental barcode:



247941 – Cashier and Customer Display Enhancements (POS)

Enhanced graphics and a new Windows font feature are available in this release to improve the clarity of the cashier and customer displays. When enhanced graphics are enabled:

- The main POS Cashier Display background and button images are replaced.
- The default Customer Display background is replaced.
- The yellow pop-up error screen is replaced.
- Numeric keypad buttons simulate a button press when touched (see below).
- The following, commonly used cashier PPM (POSWare Presentation Manager) screens are overlaid with bitmaps to update the fonts in that area (except in systems where Fuel is enabled):
 - Start Of Ticket. Next Customer Please...



- Frequent Shopper Transaction
- Enter Code / Dept
- Enter Tender
- Change Amount
- Touch-screen spacing between numeric buttons are reduced to eliminate unused space.

- The “StoreNext” logo is displayed in cashier and customer receipt area.
- The splash screens are changed to reflect current copyright information and appropriate logos.

When the Windows Font feature is enabled, Windows Fonts are used for most screen area text elements as defined in the following sections within the new Font.ini file:

- MAIN_FONT
- BIG_FONT
- SPECIAL_FONT
- STATUS_FONT
- ALT_FONT
- HUGE_FONT
- ALT1_FONT
- ALT2_FONT
- ALT3_FONT
- ALT4_FONT
- ALT5_FONT
- MENU_FONT
- BALANCE_FONT
- MENU_LIST_FONT
- FULL_RCPT_TTL_FONT
- MENU_TOUCH_FONT

To enable both new features when upgrading to 8.1.6.0-060:

- The default Font.ini file provided by StoreNext must be present in the C:\Program Files\POSWare\WinPOS folder.
- The following lines must be added to the WinPOS.ini file (located in the same folder as the Font.ini file):
DispMode800Enhanced=Yes
Use_Windows_Font=Yes

Note:

On new ISS45 installations, the **DispMode800Enhanced** line is set to “No” and the **Use_Windows_Font** line is set to “Yes” in the WinPOS.ini file.

Note:

Enhanced graphics are only supported in 800x600 color display mode.

Note:

Enhanced images are stored in a new “Images800-ENH” folder on the POS terminal: C:\ Program Files \ POSWare \ WinPOS \ Data \ images800 \ Images800-ENH. The macro images (tender and flipchart graphics) are stored in two different sub-folders depending on the WinPOS.ini setting of TouchPanelColumns=(1 or 2). The graphics are slightly different to account for the different button contours.

Cashier Display (Sale Mode) Example




StoreNext logo

Numeric Keypad Button
Press

Cashier Display (Tender Mode) Example



Customer Display Example

12/15/2011		4:20PM		Terminal: 1		Cashier: Evgeni Malkin	
							
Greeting Card		\$2.99					
ITEM ONE!		\$2.99		F			
Total Savings		Sub Total:		\$5.98			
\$0.00		Tax:		\$0.00			
Weight		Balance Due:		\$5.98			

261071 – Concurrent Support for Catalina and You Technology (FO/POS)

ISS45 sites may now run both the Catalina and You Technology marketing interfaces concurrently. In previous releases, only one of the interfaces (the original Xinetix, Catalina or You Technology) could be enabled at the POS.

Front Office

New POST Configuration Field Setting

A new “Use You Tech TCP/IP” field selection has been added to the Auth.-EFT-I/F Tab of the POST Configuration:

The screenshot shows the "Post Configuration" dialog box with the "Auth.-EFT-I/F" tab selected. The "Interfaces" section includes a "Type" dropdown set to "None", "Port" and "Baud Rate" dropdowns, and a new checkbox labeled "Use You Tech TCP/IP". A callout box with an arrow points to this checkbox, stating "New 'Use You Tech TCP/IP' field". Other sections include "Authorization" (Type: EFT, Port: Com2, Baud Rate: 9600), "EFT" (Location, Host's IP address, Host's Port number, EFT Application program Version, EFT Application parameters Version, PinPad Unit type), and "Storeline EPS" (PinPad type: None).

Field	Description
Use You Tech TCP/IP	Check this field to enable the interface with YOU Technology for printing coupons and issuing promotions.

Note:

The Interfaces section's "Type" field no longer displays the "You Tech TCPIP" selection. Options are None, Xinetix, Catalina, Catalina local broadcast and Catalina global broadcast (so they may be selected to run with the You Tech TCP/IP option).

Note:

The Interfaces section's "Port" and "Baud Rate" fields are only used for Interface Types of "Xinetix".

Note:

The You Technology related General System Parameters are located in the Store \ Technical \ YOU Technology Server Network folder".

POS

When the "You Tech TCPIP" is selected in the POS configuration, the POS interface to You Technology is enabled (for sending outgoing messages and message IDs, for receiving incoming messages and message IDs and for printing promotional messages from YOU Technology) – regardless of whether an Catalina or Xinetix interface is enabled.

262972 – Combined eWIC Benefit Utilization and Redemption Receipt (POS)

The WIC Beginning Balance and Benefits Redemption Reports now appear on one slip of paper when performing an electronic WIC transaction. (In previous releases they appeared on separate slips).

Example

```

FRANK
3335 03 03042322 08/26/11 4:14pm 321

*** WIC EBT BENEFIT UTILIZATION ***

WIC MERCHANT ID: (NOT CONFIGURED)
WIC STATE: KY
ACCOUNT #: XXXXXXXXXXXXX3415
*****
WIC BEGINNING BALANCE
996.00 lb Cheese
997.00 doz Eggs
958.20 oz Breakfast Cereal
999.00 cont Beans/Peas/Peanut Butter
999.00 cont Peanut Butter
999.00 cont Beans/Peas/Canned Beans
999.00 oz Light tuna
983.00 oz Infant Cereal w/o Fruit
978.16 $$$ Fruit and Vegetables-CVB
999.00 cont Enf LIP w/Ir Pwd
999.00 gal Whole Milk - generic
999.00 gal 2%,1%, 1/2% or Skim Milk
999.00 gal Lactose Free Milk LF/skm
999.00 cont 11.5/12.0/46/48 oz Juice
*****

WIC BENEFITS REDEMPTION
0.43 $$$ Fruit and Vegetables-CVB
BANANAS
*****

Benefits Expire at 12:00:00 am on
08/31/2011
*****

```

Beginning Balance

Benefits Redemption

266591 – Smart Card WIC PIN Pad Messaging (POS)

In sites using Smart Card WIC EBT, if the tendered Online WIC EBT card has no benefits (i.e. all benefits have been depleted to 0), the PIN Pad will now display the “All Current WIC Used” message to the customer.

268767 – Authorization Number Hook Change (Sys)

The hook function “hook_after_micr_read()” can now be used to populate the Authorization Number field with alphanumeric values. Any value returned in this field will print in the normal location of the authorization number on the receipt.

Note:

Any authorization number change made via the hook will be noted with an asterisk on the receipt and in the TLOG.

257753 – PIN Pad Phone Number Prompting and Capture (FO/POS)

New General System Parameters found in this release add support for customer phone number prompting at the PIN Pad and capturing those entries in the TLOG. The prompting can be performed automatically (at either the beginning or end of the ticket) or manually (through a new Keyboard Function). In previous releases, phone number entry (by either the cashier at the POS or customer at the PIN Pad) was used as an alternate lookup to locate the customer's Frequent Shopper number and that entry was not written to the TLOG.

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 Capture of Customer Phone Number at POS	This parameter enables prompting for the customer phone number on the PIN Pad and/or Cashier Display. This can be triggered manually by a key function or automatically at the beginning or end of a sale.
Enable Capture of Customer Phone Number at POS at end of ticket	This parameter enables automatic prompting for customer phone number at the end of a sale (after total key is pressed), if the "Enable Capture of Customer Phone Number at POS" option is also turned on.
Enable Capture of Customer Phone Number on PIN Pad	This enables the customer to enter their phone number at the PIN Pad for the purposes of the Phone Number Capture feature, if the "Enable Capture of Customer Phone Number at POS" option is on.

Parameter	Explanation
Custom Description for Phone Number Capture	This parameter specifies the description used for prompting for a Phone Number. Note: If left blank, the default description "Enter 10 Digit Phone Number" will be used.
Enable Capture of Customer Phone Number at POS at Beginning of Ticket	This parameter enables automatic prompting for customer phone number at the beginning of a sale, if the "Enable Capture of Customer Phone Number at POS" option is also turned on.

New Keyboard Function

Keyboard Function 1454 "Phone Number Capture" has been added in this release to allow the cashier to either scan (or key-enter) the ID number at the POS Terminal or allow the consumer to key enter the ID number via the PIN Pad.

Keyboard Functions

Exit Report New Edit Delete Find

Go to: In Function Number Ascending

Function Number	Description
1050	Opt in Loyalty Club
1051	Opt out Loyalty Club
1052	Express POS
1053	Touch Alpha Keyboard
1055	Q-BUSTER
1064	Send to Q-Buster
1071	OTP CARD TRANSFER
1072	OTP POINTS ADJUST
1073	WIC Ticket Key
1081	Exit POS
1082	Back Office Menu
1083	Yes
1084	Clear
1086	Performance Test
1090	VCPN Modifier
1095	FORCE LOG OFF
1120	SERVICES
1139	SECONDARY ID
1140	Mobilime Loyalty
1174	PRICE_SHIFT_ONE
1175	PRICE_SHIFT_TWO
1176	PRICE_SHIFT_THREE
1297	EBT WIC Balance
1298	EBT WIC Certify Mode
1299	WIC CVV Sale Mode
1412	Loyalty Discount
1423	Manual Fuel Entry
1429	Reprint Receipt
1432	Accept
1433	Reject
1434	Suspend
1435	Toggle- App. msg.
1438	Manual Databar entry
1441	Alt Customer Lookup
1444	Enter Fuel Voucher
1448	Consumer ID Number
1454	Phone Number Capture

New Phone Number Capture Keyboard Function

Note:

It is the store's responsibility to add Keyboard Function 1454 to the Menusys.mac/xml file for cashier selection at the POS.

POS

If the new General System Parameters “Enable Capture of Customer Phone Number at POS”, “Enable Capture of Customer Phone Number on PIN Pad” and “Enable Capture of Customer Phone Number at POS at Beginning of Ticket” are all set to “Yes”, the POS will:

- Automatically prompt for the entry of a 10-digit Phone Number at the PIN Pad if the PIN Pad is available (or on the Cashier Display if the PIN Pad is not available) at the beginning of the ticket.

Note:

The prompt occurs before any related Frequent Shopper-related prompts are issued.

If the new General System Parameters “Enable Capture of Customer Phone Number at POS”, “Enable Capture of Customer Phone Number on PIN Pad” and “Enable Capture of Customer Phone Number at POS at End of Ticket” are all set to “Yes”, the POS will:

- Automatically prompt for the entry of a 10-digit Phone Number at the PIN Pad if the PIN Pad is available (or on the Cashier Display if the PIN Pad is not available) after the ticket is totaled.

Regardless of when the phone number is prompted – automatically or manually if prompted using Keyboard Function 1454:

- The General System Parameter “Custom Description for Phone Number Capture” will be used for prompting for phone number entry at the PIN Pad.
- If the customer enters a phone number, the phone number entered is written to the TLOG using the new Information Transaction (see page **Error! Bookmark not defined.**).
 - If multiple phone numbers are prompted for and entered in a transaction, only the last one entered is written to the TLOG.
- If the cancel is pressed at the PIN Pad during phone number entry, the entry is skipped and the phone number written to the TLOG will be 999-999-9999.
- If either the customer or cashier enters a phone number that is less than or greater than 10 digits, the POS issues an error message that an invalid phone number was entered and asks for the entry again.

275822 – New Maximum Number of History Days for EJ (BO)

Some states now require stores save three years of receipt data for WIC transactions. To accommodate this requirement, the “Number of history days for EJ” parameter has a new maximum setting of “9999” in this release.

Modified Parameter

The following General System Parameter (located in the existing Store \ Front Office \ End of Day \ Archive folder) has been modified to support this change.

Parameter	Explanation
Number of history days for EJ	Enter the number of days to keep transaction history within the Electronic Journal. The default is 30 (with a maximum setting of 9999).

Technical Reference Appendix

SQL Changes

New Fields to Existing Tables

The following new fields have been added to existing ISS45 tables in Release 8.1.6.0-060.

Table	Field Name	Type	Range	Default	CR
CHKOUT_BANK	READ_2D_BARCD_FOR_ AGE_VERIF	Bit		0	158716
	CC_FOR_MAN_ENTR_DOB	Tinyint			

Out of Scope

Limitations of new features in this release are listed below (and were not addressed in development).

Note:

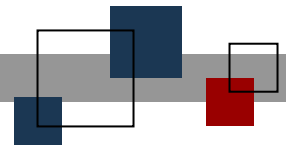
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FSD Number	Enhancement	Out of Scope
158716	Drivers License Age Validation	Changes made to support Drivers License Age Validation were made for the current release only (and will not be made to previous ISS45 releases).
247941	Cashier and Customer Display Enhancements	Changes made to support the Cashier and Customer Display Enhancements were made for the current release only (and will not be made to previous ISS45 releases).
262972	Combined eWIC Benefit Utilization and Redemption Receipt	Changes made to support Combined eWIC Benefit Utilization and Redemption Receipt were made for the current release only (and will not be made to previous ISS45 releases).
275822	New Maximum Number of History Days for EJ	Changes made to support the New Maximum Number of History Days for EJ were made 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
158716	Drivers License Age Validation	<ol style="list-style-type: none"> 1. Scanners programmed to read the supplemental barcode format.
247941	Cashier and Customer Display Enhancements	<ol style="list-style-type: none"> 1. The default Font.ini file provided by StoreNext must be present in the C:\Program Files\POSWare\WinPOS folder. 2. The following lines must be added to the WinPOS.ini file (located in the same folder as the Font.ini file): DispMode800Enhanced=Yes Use_Windows_Font=Yes
257753	PIN Pad Phone Number Prompting and Capture	<ol style="list-style-type: none"> 1. MTXEPS Connected Payments or MTXEPS WinEPS (in order to capture the Phone Number at the PIN Pad.)



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