






The logo for ISS 45, consisting of the letters 'ISS' stacked above the number '45' in a large, bold, black serif font, all enclosed within a thin black rectangular border.

-  *Release Notes & What's New*
-  *ISS45 8.1.2.0-050*
- 
- 
- 

ISS45 Release Notes & What's New 8.1.2.0-050

Date of Issue	Product Identification Number	Part Number	Brief Description
January 2005	45001/081	89000195	Initial Release
June 2005	45001/081	89000233	8.1.0.1 Release
December 2005	45001/081	89000263	8.1.1.0 Release Preliminary
January 2005	45001/081	89000263	8.1.1.0 Release Final
July 2006	45001/081	89000308	8.1.1.1 Release
December 2006	45001/081	89000308	8.1.1.1 Release

**©Copyright StoreNext Retail Technologies LLC 1995-2006
All rights reserved**

This publication is protected by federal copyright law. No part of this publication may be reproduced or transmitted into any human or computer language in any form or by any means, stored in a retrieval system, transmitted, redistributed, translated or disclosed to third parties, or de-compiled in any way including, but not limited to, photocopy, photograph, electronic, mechanical, magnetic or manual without the express written permission of StoreNext Retail Technologies LLC or its licensors, if any. All copies, so authorized, shall contain a full copy of this copyright notice.

StoreNext Retail Technologies LLC endeavors to ensure that the information in this document is correct and fairly stated but does not accept liability for any error or omission. StoreNext Retail Technologies LLC makes no representation or warranties with respect to the contents hereof, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose or non-infringement. No commitments by StoreNext or its suppliers are made from this documentation which is provided for information only.

Development of StoreNext products and documentation is continuous: StoreNext Retail Technologies LLC reserves the right to revise this publication and to make changes from time to time in the contents hereof or in the products herein described or discussed without notice and without any obligation of StoreNext Retail Technologies LLC to notify any person or organization of such revision or changes. Information published in this document will likely become obsolete over time and it is recommended that users regularly check for updates and newer versions.

StoreNext Retail Technologies LLC has prepared this manual for use by users, authorized third parties and personnel of StoreNext Retail Technologies LLC as a guide to the proper installation, operation, customization and/or maintenance of StoreNext Retail Technologies LLC equipment and software. The drawings and specifications contained herein are the property of StoreNext Retail Technologies LLC and/or its licensors.

Third-party products, services, or company names referenced in this document may be trademarked or copyrighted by their respective owners, and are for identification purposes only.

Copyrights, trademarks and license agreements shall be governed and construed in accordance with the laws of the State of Texas and the Federal Arbitration Act, and shall benefit Retailix, its successors, and assigns.

Address comments and corrections to:

StoreNext Retail Technologies LLC
Software Program Director
6100 Tennyson Parkway
Suite 130
Plano, Texas 75024

Table of Contents

Table of Contents	i
Introduction	3
CRD Listing	4
8348 – Member Card Swiping and Secondary ID Entry at Pin Pad (FO/POS) .	4
8391 – User Hook for Tax Exempt Prompt (FO/POS)	6
8478 – Automatic Prompting for MobileLime Number (FO/POS).....	7
8484 – Previous Key Function (POS)	9
8486 – RSS14 / RSS Expanded Barcode Label Support (POS)	10
8487 – Signature Capture Printing (FO/POS).....	13
8499 – Signature Capture Display and Approval (FO/POS)	14
8540 – WinEPS Account Masking (FO/POS).....	16
8685 – Support for Additional MTXEPS TAC Codes (POS)	17
Other Enhancements	19

Introduction

Several new features and enhancements were made recently to the StoreNext ISS45 system as a result of customer change requests and internal research and development. These changes are reflected in the accompanying ISS45 8.1.2.0-050 software. The Change Request Document (CRD) number assigned to each enhancement is listed in the description heading.

Following the change description is an abbreviation (or combination thereof) of the ISS45 area affected:

(FO) – Front Office

(POS) – WinPOS

(Sys) – System / Services

If you have any questions regarding this release, please contact StoreNext Support.

CRD Listing

8348 – Member Card Swiping and Secondary ID Entry at Pin Pad (FO/POS)

ISS45 now supports the swiping of member \ frequent shopper cards at the Pin Pad. This feature allows the customer to optionally enter their member card into the transaction (anytime prior to transaction total and tender) without having to hand the card to the cashier. If the card is not available, the customer may enter their 10-digit Secondary ID at the Pin Pad in lieu of a card swipe.

New Parameters

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

Parameter	Explanation
Prompt for Member Card or Secondary ID at Pin Pad	When set to "Yes", the Pin Pad will prompt for a member card on the first screen. If set to "No" the Pin Pad will have the first payment sequence screen as the first screen.
First Text Line on EFT Prompt (Prompt 1)	When the "Prompt for Member Card or Secondary ID at Pin Pad" parameter is set to "Yes", this parameter will determine what text will be displayed on the Pin Pad's first line of text (i.e. "Swipe Member Card"). The parameter is limited to 20 characters. Note: If left blank and the "Second Text Line on EFT Prompt" parameter is blank, the text will display "Swipe Member Card" by default.
Second Text Line on EFT Prompt (Prompt 2)	When the "Prompt for Member Card or Secondary ID at Pin Pad" parameter is set to "Yes", this parameter will determine what text will be displayed on the Pin Pad's second line of text (i.e. "or Enter Phone #"). The parameter is limited

	<p>to 20 characters.</p> <p>Note: If left blank and the “First Text Line on EFT Prompt” parameter is also blank, the text will display “Enter Phone #” by default.</p>
Allow Member Card Swipe/Secondary ID Entry at Pin Pad during Sales Mode	<p>When set to “Yes”, the Pin Pad will prompt for Secondary ID/Member Card Swipe during Sales mode. If set to No, the prompt must be initiated by the cashier pressing the supported member card, frequent shopper, or secondary ID keyboard functions.</p>
First RETRY Text Line for EFT Prompt (Re-Prompt 1)	<p>When the “Prompt for Member Card or Secondary ID at Pin Pad” parameter is set to “Yes”, this parameter will determine what text (i.e. “Entry Unsuccessful”) will be displayed on the Pin Pad’s first line of text (in POS Sales Mode) after swipe/entry failed validation and customer can retry.</p> <p>Note: If left blank and the “Second RETRY Text Line on EFT Prompt” parameter is blank, the text will display “Entry Unsuccessful” by default.</p>
Second RETRY Text Line for EFT Prompt (Re-Prompt 2)	<p>When the “Prompt for Member Card or Secondary ID at Pin Pad” parameter is set to “Yes”, this parameter will determine what text (i.e. “Try Again”) will be displayed on the Pin Pad’s second line of text (in POS Sales Mode) after swipe/entry failed validation and customer can retry.</p> <p>Note: If left blank and the “First RETRY Text Line on EFT Prompt” parameter is blank, the text will display “Try Again” by default.</p>

Note:

The “Member Card in System” parameter (located in the Store \ POST \ Operational \ Member Card \ Member Card folder) the must to be set “Yes” for this feature to be enabled.

When the new parameter “Prompt for Member Card or Secondary ID at Pin Pad” is enabled, the POS recognizes the card scan or secondary ID entered at the Pin Pad and proceeds and proceeds with a member type transaction.

8391 – User Hook for Tax Exempt Prompt (FO/POS)

A new parameter found in this release of ISS45 enables the scanner when the Tax Exempt No. prompt appears on the POS. A user hook entry (hook_after_tax_exempt_scan) has been created at this point for additional functionality to be developed – namely the validation of the store-maintained Tax IDs. If a barcode was scanned at the Tax Exempt Prompt and the General System Parameter “Hooks in system” (found in the Store \ POST \ Operational \ POST User Hooks folder) is set to “Yes”, the new user hook will be called.

New Parameter

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

Parameter	Explanation
Enable Scanner at Tax Exempt Prompt	When this parameter is set to Yes, the scanner will be enabled when the Tax Exempt prompt is displayed on the POS. The Tax ID number will be taken from the scanned barcode.

Note:

The Tax Exempt prompt will continue to be accessed through the Keyboard Function Code 920 during idle, sales, or tender mode. The first 19 digits read from the barcode are read into the POS prompt.

8478 – Automatic Prompting for MobileLime Number (FO/POS)

A new parameter in this release of ISS45 will prompt the cashier to enter the customer's MobileLime number at the start of the ticket. In stores with large numbers of MobileLime Loyalty Members, the automatic prompt will save the cashier time in locating the current MobileLime Loyalty button/key (Keyboard Function Code 1140).

Notes:

- MobileLime is a payment provider for stores where customers can pay for their purchases with their cell phone number.
- If the General System Parameter "Do not prompt for Freq Shopper at the beginning of a ticket" (located in the Store \ POST \ Monetary \ Frequent Shopper folder) is set to "No", this new parameter will be ignored and the MobileLime Loyalty prompt can only be accessed with the 1140 function code or the MobileLime tender.
- If the General System Parameter "Prompt for Member Card at Start of Ticket" (located in the Store \ POST \ Operational \ Member Card \ Member Card folder) is set to "Yes", this new parameter will be ignored and the MobileLime Loyalty prompt can only be accessed with the 1140 function code or the MobileLime tender.
- The General System Parameter "Host CCMS Type" (located in the Store \ Technical folder) must be set to MobileLime.

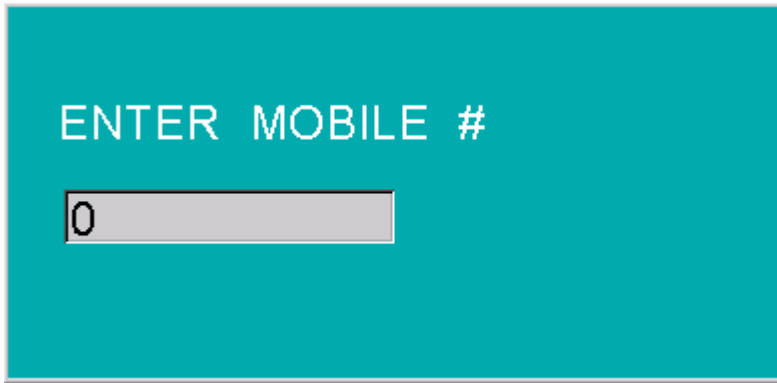
New Parameter

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

Parameter	Explanation
Prompt for MobileLime Loyalty at Start of Ticket	When set to "Yes" (and no other loyalty prompts are set for the beginning of the ticket) the MobileLime Loyalty prompt will display during no sale mode.

Screen Prompt

The MobileLime Loyalty prompt displays as follows:



The prompt can be bypassed using **Clear**, **Cancel**, or **Exit/No** and will remain if **Enter** is used without a value.

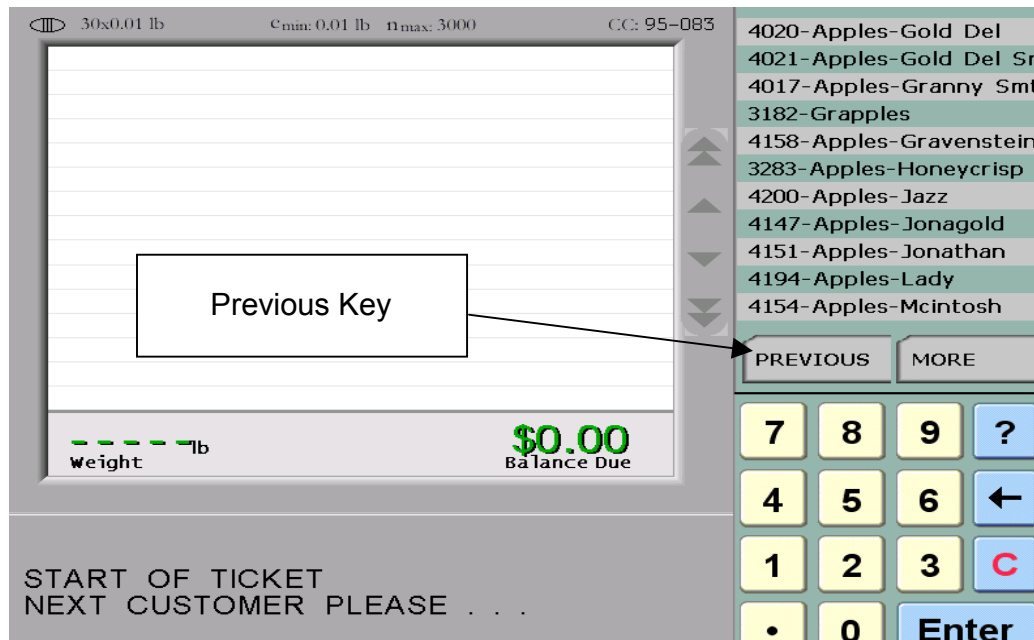
8484 – Previous Key Function (POS)

When the cashier accesses a long list that displays several pages of data, a “Previous” button supported in this release is now available to access previous pages. In previous ISS45 releases, the “More” key had to be used to loop around the list you get back to the page that was passed.

The “Previous” function key is dynamically displayed only when a list has more data than can be displayed on the screen. The current “More” button has been split and the “Previous” button is now displayed on the left.

Note:

For Team Key, the previous button is on a line above the more button.



Note:

This feature is only available for TeamKey and Full Touch terminals and is standard functionality for .LST files called through MenuSys POS programming.

8486 – RSS14 / RSS Expanded Barcode Label Support (POS)

With this release, ISS45 now supports the scanning of RSS14 and RSS Expanded barcodes at the POS to comply with UCC regulations for Global Trade Item Numbers (GTIN) as well as RSS (Reduced Space Symbology).

RSS barcodes provide the ability to pack more information in a small “footprint” area. RSS Expanded barcodes are used for meat packages. A GTIN is used for the unique identification of trade items worldwide within the EAN (European Article Numbering) UCC System.

Note:

A “Trade Item” refers to any product or service upon which there is a need to retrieve pre-defined information. The product or service may be priced, ordered, or invoiced at any point in the supply chain. This includes individual items as well as all of their different packaging configurations.

A GTIN has a 14-digit data structure although its data carrier (bar code) may contain 12-digits (the UPC), 13-digits (EAN-13) or 8-digits (EAN-8). See **GTIN Data Structures** below.

Note:

The POS scanner must support RSS14 and RSS Expanded barcodes along with 2-character item IDs (used to identify the type of items).

In this ISS45 release, WinPOS has been modified to:

- Accept “long” data stream scanning entries (up to 250 characters)
- Identify an RSS Expanded scan by length of scan and scan data validation according to RSS expanded rules
- Break the RSS scan into the different elements. [This is part of the scan validation process including all Application Identifier (AI) elements].
- Validate that all the field’s elements are legal and present warning messages if date fields are expired or passed.
- Validate that the cashier entry does not conflict with scan entry.
- Override WinPOS sale entries with available field elements such as item code, item weight, item price and sale quantity and proceeds with the sale.

All RSS elements are registered to a new information transaction in the TLOG. A flag is also added to mark it as an RSS item sale. The following RSS sale information is printed on the customer receipt:

- Packing Date
- Sell by Date
- Batch/Lot number
- Serial Number

Note:

Use a "fix" name template to print the additional RSS elements before the standard item print on the receipt.

GTIN Data Structures

There are several data structures for the GTIN; each provides unique numbers when right justified in a 14-digit database field:

UCC-12 (Twelve Digits)

- Six digits representing the UCC Company Prefix
- Five digits representing the Item Reference number
- One digit representing the Check Digit

Or

- Seven digits representing the UCC Company Prefix
- Four digits representing the Item Reference number
- One digit representing the Check Digit

Or

- Eight digits representing the UCC Company Prefix
- Three digits representing the Item Reference number
- One digit representing the Check Digit

Or

- Nine digits representing the UCC Company Prefix
- Two digits representing the Item Reference number
- One digit representing the Check Digit

EAN/UCC-13 (Thirteen Digits)

- Twelve digits containing the EAN.UCC Company Prefix and Item Reference number
- One digit representing the Check Digit
- EAN/UCC-14 (Fourteen Digits)
- One digit representing the Indicator digit to indicate packaging level
- Twelve digits containing the EAN.UCC Company Prefix and Item Reference number
- One digit representing the Check Digit

EAN/UCC-8 (Eight Digits)

- Seven digits containing a EAN.UCC Company Prefix and Item Reference number
- One digit representing the Check Digit

UCC Company Prefix

The number assigned to a company by the UCC. The inclusion of the UCC Company Prefix ensures uniqueness throughout the world. The UCC Company Prefix is assigned to companies in varying lengths.

Note:

A UCC Company Prefix is converted to an EAN.UCC Company Prefix by adding a leading zero (i.e., UCC Company Prefix 614141 becomes 0614141).

EAN.UCC Company Prefix

The number assigned to a company by either an EAN Member Organization or by the UCC. The inclusion of the EAN.UCC Company Prefix ensures uniqueness throughout the world. The EAN.UCC Company Prefix is assigned to companies in varying lengths.

Item Reference

The number that is assigned by the holder of the EAN.UCC Company Prefix to uniquely identify a trade item within the company. The Item Reference varies in length as a function of the Company Prefix length.

Check Digit

A calculated one-digit number used to ensure data integrity.

8487 – Signature Capture Printing (FO/POS)

ISS45 now has the ability to print the Pin Pad captured signature on the customer receipt. The signature is generated as the SIG00001.bmp file at the POS.

Note:

The only supported printers for this functionality are the Epson H6000, Epson H6000 II, Axiohm 758 (serial connection only) and TPG (OPOS connection only).

New Parameter

As part of this feature a new parameter has been established. These General System Parameters are located in the Store \ POST \ Presentation \ Receipt \ Regular Printing \ Signature folder.

Parameter	Explanation
Suppress Signature Capture on Customer Receipt	This parameter enables the ability to print the signature on the customer credit card receipt. This feature requires signature capture support on the Electronic Payment System. Click the selection arrow and choose Always, Never, Member or Handled by Hook.

If the “Suppress signature capture on the customer receipt” parameter is set to **Always**, the bitmap file (SIG00001.bmp) is not created on the POS. If set to **Never** the signature capture will be printed on every receipt. If set to **Member**, when a member card account is active in an order the signature capture will not be printed on the receipt. If set to **Handled by Hook**, the SIG00001.bmp will be generated and available to be used by user hooks.

Note:

MTXEPS versions containing signature capture on the Pin Pad are required to utilize this feature. In addition, the store must have Signature Capture set up in MTXEPS for each tender that will utilize this feature (i.e. “O - Signature Capture” in the TAC Sequence). Please consult the MTXEPS User Guide for these settings.

8499 – Signature Capture Display and Approval (FO/POS)

ISS45 now has the ability to show the customer's captured signature at the cashier display prior to approving the transaction. This new feature allows the cashier to get real time signature confirmation, reducing fraud and adding security to the transaction.

Note:

MTXEPS versions containing signature capture on the Pin Pad are required to utilize this feature. In addition, the store must have Signature Capture set up in MTXEPS for each tender that will utilize this feature (i.e. "O - Signature Capture" in the TAC Sequence). Please consult the MTXEPS User Guide for these settings.

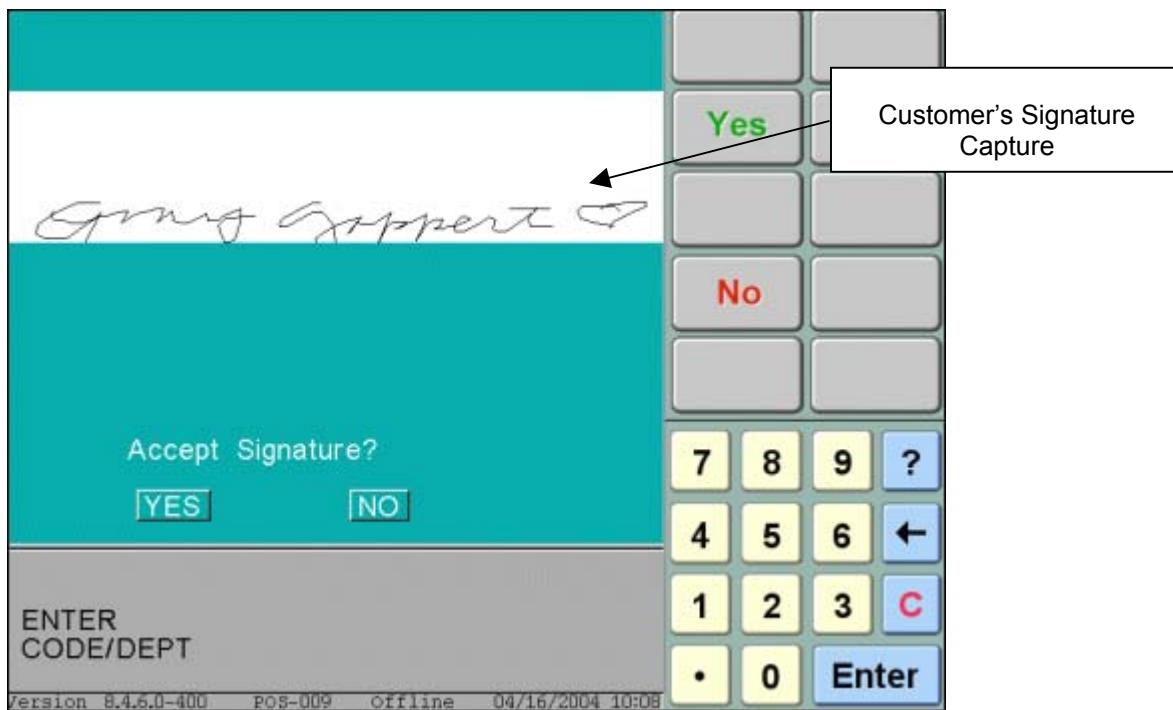
New Parameter

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

Parameter	Explanation
Display Captured Signature on Cashier Display with Accept or Reject	When set to "Yes", the captured signature from the EFT terminal will be displayed on the cashier's screen. The cashier will either accept or reject the signature. When set to "No", the captured signature will not display.

New POS Screen

With the "Display Captured Signature on Cashier Display with Accept or Reject" parameter is set to "Yes", a transaction that is approved by the EFT provider and requires signature will appear as follows:



To approve the EFT transaction, the cashier must press the “Yes” key. If rejected (by press the “No” key) by the cashier, the customer may sign again or cancel the transaction. If “Cancel” is chosen, a paper receipt is printed for signature.

8540 – WinEPS Account Masking (FO/POS)

To promote Visa Regulations compliance, MTXEPS will send account information to ISS45 in a masked format. The POS will receive the account number in this masked format and convert the “*” to a “0” to maintain the account number as a number value in the TLOG.

Note:

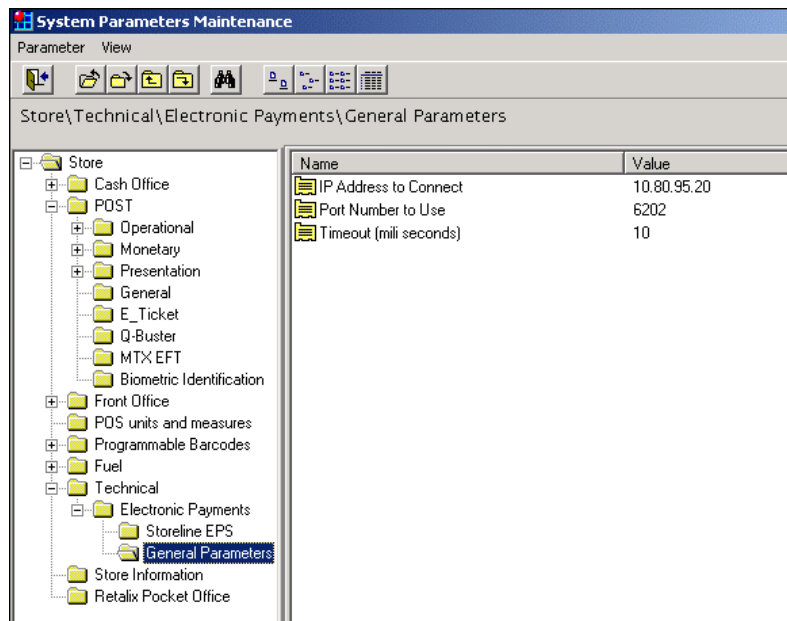
MTXEPS WinEPS version 820 (and higher) supporting the sending of masked account information is required to utilize this feature.

In ISS45 Release 8.1.0.1-050, the General System Parameter “Unmask EFT Account Information” (located in the Store \ Technical \ Electronic Payments \ General Parameters folder) was added to meet PCI/CISP requirements. The default setting for the parameter was “No” to make it compliant by default.

Since the parameter was visible and easily changed (although a warning would appear if changed to “Yes” from “No”), the parameter no longer displays within General System Parameters. The retailer cannot “unmask” the credit card number.

Parameter Removed

The System Parameters Maintenance Screen’s Store \ Technical \ Electronic Payments \ General Parameters no longer contains the “Unmask EFT Account Information” parameter.



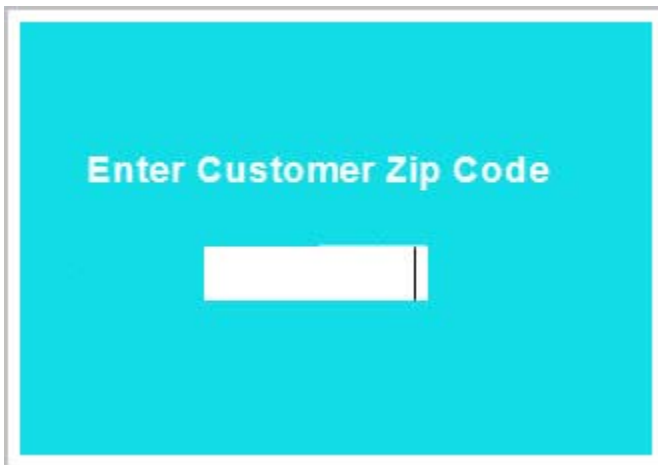
8685 – Support for Additional MTXEPS TAC Codes (POS)

ISS45 has added support for the following MTXEPS TAC Codes in this release:

- z- Zip Code
- b- Verify Card
- K- Tax Amount

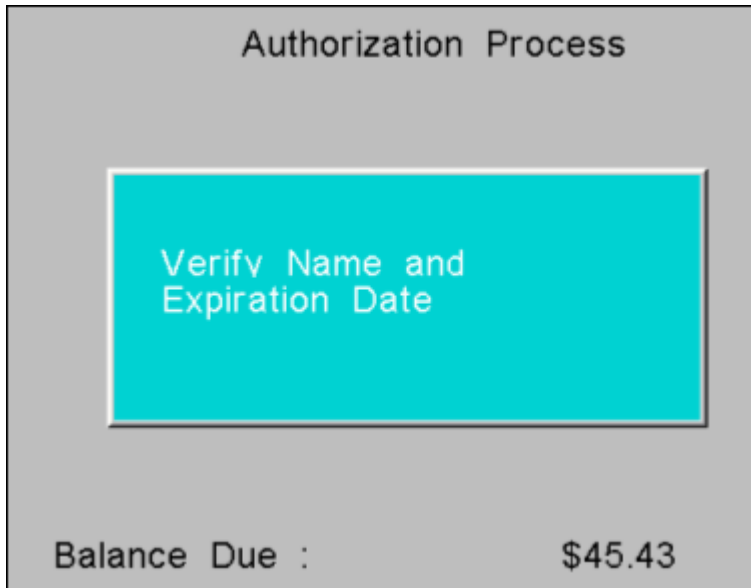
Zip Code

The POS now displays an input screen for Zip Code entry when requested by MTXEPS on manual Credit Card entries. The 5-character Zip Code entered is passed on to OpenEPS.



Verify Card

The POS has been modified to display the following message screen requesting cashier validation that the correct card has been presented:



The Cashier presses the "Yes" key to validate the card and process the transaction. By pressing "No", the POS will return to the select payment screen.

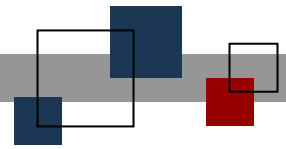
Tax Amount

ISS45 supports the MTXEPS sales tax TAC and passes the total sales tax amount to OpenEPS when requested.

Other Enhancements

The following ISS45 8.1.2.0-050 program enhancements have been made internally and are explained briefly below.

- 8619 – Item cost and sales information (see the PLU Maintenance Screen's Cost and Sales Tab) have been added to the V8 PLU object to allow future Pocket Office development access to these values. In previous ISS45 releases this data was available in the PLU Maintenance GUI, but not in the PLU business object.



© StoreNext Retail Technologies LLC 2006

StoreNext Retail Technologies LLC endeavors to ensure that the information in this document is correct and fairly stated but does not accept liability for any error or omission.

The development of StoreNext products and services is continuous and published information may not be up to date. It is important to check the current position with StoreNext. This document is not part of a contract or license save insofar as may be expressly agreed.