StoreNext

WinEPS Release Notes
Version 821

WinEPS Release Notes

Date of Issue	Product Identification Number	Part Number	Brief Description
June 2005	45001/096	89000235	815.3 Preliminary
July 2005	45001/096	89000248	815.3 Final Release
October 2005	45001/096	89000261	815.3 SP1
April 2006	45001/096	89000303	817 SP2
June 2006	45001/096	89000310	818 SP1
July 2007	45001/096	89000388	821

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Table of Contents

Section 1

821.0 SP1 Information

This section covers changes, bug fixes, and enhancements to the 821.0 SP1 release of WinEPS. The items listed below are the changes made only since the previous major release. Previous editions of the WinEPS Release Notes are located on the WinEPS installation CD, in the directory Documents/Old Release Notes, or contact WinEPS support for a copy.

The 821.0 SP1 Version is certified PCI Compliant. Refer to the WinEPS Users PCI Recommendations Guide for complete information of setting up a PCI compliant environment.

Minimum System Requirements

If the minimum requirements for the operating system you are using are higher than what is listed below, use those requirements instead.

Hardware Requirements for WinEPS and OpenEPS

- Pentium III (Intel or compatible) 500 MHz processor (1 GHz or faster recommended)
- 256 MB of RAM (512 MB or more recommended)
- VGA, or higher, resolution monitor set at 800 x 600 or better
- CD-ROM drive for software installation
- Ethernet Card
- Drive Space Requirement for WinEPS server:
  - 600 MB of available hard disk space on the WinEPS server (1.5 Gb of drive space is recommended). WinEPS requires approximately 300 Mb of space to install to; in addition a busy store can generate up to 10 Mb of log files per day. The default of 30 days storage can use up to 300 Mb of extra space resulting in the minimum requirement of 600 Mb of drive space.
    - 30 Days of log retention requires a total of 600 Mb free Hard Drive space.
    - 60 Days of log retention requires a total of 900 Mb free Hard Drive space.
    - 90 Days of log retention requires a total of 1.2 Gb free Hard Drive space.
- Drive Space Requirement for OpenEPS on each POS lane:
  - 100 Mb free drive space for configuration files and logs

Software Requirements for WinEPS

- TCP/IP, FTP and FTPS Protocols
- Any of the following Operating Systems:
  - Microsoft Server 2000/2003 SP 1
  - Microsoft Windows 2000, SP 4
  - Microsoft Windows XP SP2, Professional

Software Requirements for OpenEPS (Front POS Lanes):

- TCP/IP, FTP and FTPS Protocols
- Any of the following Operating Systems:
  - Microsoft Server 2000/2003 SP 1
  - Microsoft Windows 2000, SP 4
  - Microsoft Windows XP SP2, Professional
  - Windows XP Embedded
  - WePOS
  - Linux [These versions only]: Red Hat version 2.4.7-10; Fedora version 2.4.20

PCI Compliance and Operating Systems

PCI requires that the security patches for software in the payments environment be tested and installed in a timely fashion. Several Microsoft operating systems have past their supported security update lifespan, and no additional security patches will be released. These operating systems include Windows NT 4.0 and Windows 95/98.

Due to the vulnerability that a lack of security patches represents, these operating systems are no longer supported for use with the WinEPS/OpenEPS product suite. Only the operating systems listed under the Software Requirements section above are supported.

Refer to information at http://support.microsoft.com/ for the most up to date security related articles and end of support dates for all Microsoft operating systems.

Unsupported Systems

The following operating systems and hardware are **not supported**:

- Windows NT 4.0 is no longer supported (See PCI compliance section above)
- Windows Win95/Win98 is no longer supported (See PCI compliance section above)
- WinEPS will not function on non NT-based Windows versions, such as Windows ME.
- XP Home version is **not** supported due to its limited scope.

- Windows Vista operating system is not currently supported; this operating system is being researched for future support options.
- 64 bit operating systems and processors are not currently supported; these are being researched for future support options.

Code Versions

WinEPS Versions:

Module	Version
EPSEngineSrv.Exe	821.0.0.201
EPSMenu.Exe	821.0.1.612
Rpt.Exe	821.0.0.186

OpenEPS Versions:

Module	Version	Date
mtx_eps.dll	821.0.0.211	3/20/2007
mtx_pos.dll	821.0.0.2	11/29/2006
libmtx_eps.so	821.0.0.140	12/21/2006
libmtx_pos.so	821.0.0.2	11/30/2006

Terminal Code Versions:

Type	Terminal	Version	Date
SCAT / Script / Terminal Code	C2000	32	1/5/2005
	eN-Crypt 2100	2.01	1/20/2003
	eN-Touch 1000	06.06	1/20/2003
	Everest	40	8/15/2006
	HYP 4100	220	7/6/2006
	ICE 5500	114	1/3/2007
	ICE 6000	114	1/3/2007
	L4250	220	7/6/2006
	MX870	1.01a	7/21/2006
	NCR 5993	12	1/7/2007
	Omni 490	58	3/2/2006
	Omni 7000	43	11/29/2006

Stand Beside Code Versions:

Type	Terminal	Version	Date
Stand Beside	C2000	45	8/17/2004
	Everest	383	5/5/2005
	Omni 490	379	2/18/2005
	Verifone Omni 3750	10	12/15/2006

Known Issues

Microsoft Windows NT no longer supported by Microsoft for Security Updates

PCI requires that the security patches for software in the payments environment be tested and installed in a timely fashion. Several Microsoft operating systems have past their supported security update lifespan, and no additional security patches will be released. These operating systems include Windows NT 4.0 and Windows 95/98.

Due to the vulnerability that a lack of security patches represents, these operating systems are no longer supported for use with the WinEPS/OpenEPS product suite. Only the operating systems listed under the Software Requirements section above are supported.

Refer to information at http://support.microsoft.com/ for the most up to date security related articles and end of support dates for all Microsoft operating systems.

eN-Touch 1000 Pin Pad does not support the word “Code”

As an added safety feature, the eN-Touch 1000 does not support the use of the word “code” in any text for a prompt that requests numeric data.

Specifically, this limitation means that when the z – Zip Code TAC is used, the default customer display text of:

Tell Cashier
Your Zip Code

must be altered to remove the word “code.”

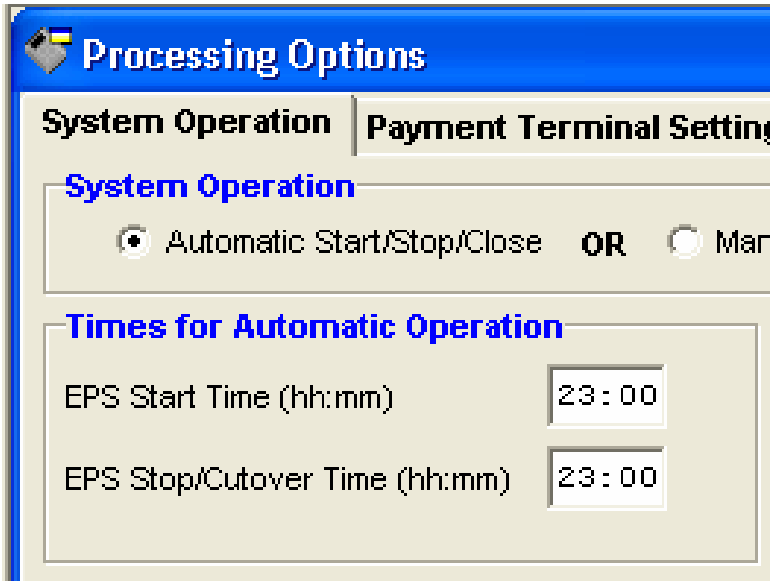
If the word “Code” is included in the display text on a numeric entry screen, the terminal screen will flash twice and then go blank to prevent data entry. The terminal is not dead at that time and will come back after the POS performs a cancel.

OMNI 3750 disconnection causes offline state

There is an issue with the OMNI 3750 where is locked into an 'offline' state if it remains disconnected from WinEPS for several hours.

To workaround this issue, it is recommended that WinEPS be set to automatically restart the lanes after the End of Day process.

To do this, in WinEPS go to site Information | Processing options, and set the EPS Start Time and the EPS Stop/Cutover Time to be the same value. The time should be set to the time desired for the EOD operation.



WinEPS Fixed Issues and Enhancements

Enhancement	Description
1. Zip Code TAC allows manual entry by customer	• Enhancement • The z – Zip Code TAC has a new property of 'Entered at PIN Pad' which will prompt the customer for the zip code information, and allow the zip code to be entered on the terminal.
2. Removed N TAC from OpenEPS Term Config	• Enhancement • The N - Reference # TAC is not used by OpenEPS integrations. For clarity, this TAC has been removed from the OpenEPS TAC selection list.
3. Windows Security Group Operator permissions	• Enhancement • WinEPS now supports the use of Windows security groups for defining operator access to WinEPS. • Review the WinEPS Users PCI Recommendations Guide for additional details on setting this feature up in a PCI compliant fashion. • Full details on this feature are included in Section 2.
4. Modify Operator Table - activate/inactivate rights	• Enhancement • Previously, when an operator only had right to activate/inactivate an account they were only allowed to activate or deactivate accounts and not allowed to set the temporary account flag or change deactivation date. • The activate/inactivate right has been expanded to allow the setting of the temporary account flag, and also set the date a temporary account is to be deactivated.
5. Host status blinks when connect via secondary IP address	• Fixed • On the main WinEPS screen, the Host Status is shown as Up or Down; when connected to the host via the backup IP connection, the Host Up status text will blink between Green and Olive. This feature was not previously working correctly.
6. Failed login captures Operator name	• Fixed • If an attempt is made to log into WinEPS which fails, the user name that was used is written to the Spool file for logging purposes.

Enhancement	Description
7. Power loss on PC affecting offline database	• Fixed • An issue existed where if the PC running WinEPS experienced a power loss as it was forwarding up stored offline transactions, some stored transactions were lost. • This has been corrected by verifying that WinEPS accesses only one offline record at a time and that it closes the database correctly after each record is accessed.
8. Zip of lane journals leaving 'zia...' files in the Archive directory	• Fixed • During the lane start up process, previous day's lane journal files are forward up to the WinEPS server for storage. If multiple lanes start at the same time, and possess very large logs, there is the potential that the zip process will leave its temporary 'zia…' files in the Archive directory after successfully zipping the logs. • To eliminate this, any time the WinEPS lanes start, the Archive directory will be cleared of all the files starting with 'zia'. Due to the timing of events, 'zia…' temp files can remain in the Archive directory for up to 24 hours before being cleared.
9. Add new prefix to EBT FS and EBT Cash table	• Enhancement • A new EBT card prefix has been added to WinEPS • The EBT card prefix of 600890XXXX with a PAN length of 18 has been added to WinEPS for both EBT Food and EBT Cash. • This card prefix is in use in Connecticut, and is part of the default in new installations, and will be added when WinEPS is updated from previous version.
10. Force Entry of State code on swiped Driver's License	• Enhancement • A new option has been added to the R – Card Slide DrLic TAC: Prompt for State Code. • When this option is checked, OpenEPS will prompt the POS for the manually entered state code even if the customer has swiped their driver's license at the terminal.
11. Updated Card Processing Profiles Help Button & Help File	• Enhancement • The help file for the Card Processing Profiles screen has been updated to be more comprehensive. The help button is now available without having to select the 'Change' button first.
12. Processing Options not saving correctly	• Fixed • Some items on the Processing Options screen did not save properly if the user changed tabs before saving.

Enhancement	Description
13. GC Void allowed incorrectly controlled by Credit setting	• Fixed • The setting for whether the Void of a Gift Card activation is allowed by WinEPS was erroneously taken from the Credit settings instead of the Gift Card settings. This patch fixes the issue
14. Floor limit added to the b TAC	• Enhancement • A floor limit has been added to the b - Verify Card TAC. • If the dollar amount of the transaction exceeds the configured floor amount, the TAC will process and will prompt the cashier to verify the card, otherwise the TAC will be skipped. • The default value is 0 which will prompt the cashier to verify the card for all dollar amounts.
15. WinEPS logs local decline transactions	• Fixed • When WinEPS received a local decline message from OpenEPS, it was handling it like any other transaction, and attempting to perform a look-up in the database for the transaction. • Since a local decline does not require additional processing, this processing has been changed so that WinEPS just logs the decline properly but does not perform any additional processing or checks.
16. Fuel lane socket connections	• Fixed • An issue was corrected when multiple fuel pumps were connecting at the same time. • When the fuel pump lane reconnects, the old connection was not being closed properly. This caused the new connection to fail to deliver a message back to the pump. • Now when a connection is received from a socket with the same handle, the old connection will be closed properly.
17. Void Allowed / Void Not Allowed settings not written	• Fixed • Corrected an issue where the values for Void Allowed or Void Not Allowed set on GUI for specific transaction types were not being written to the Config.xml files. • This caused an issue where WinEPS would assume False and not allow a Void.
18. Incorrect read of Debit Prefix length	• Fixed • There was an issue found due to encryption that was causing a failure in the lookup of valid debit bins in the Debit Bin table. WinEPS will now correctly read the prefix length of the card if entered and if found in the debit bin will react accordingly.

OpenEPS Changes

Enhancement	Description
1. Add flag to Prefix.xml that excludes from Auto Tender	• Enhancement • To improve auto tender recognition, a new flag has been added to each card prefix which will allow the WinEPS user to exclude prefixes from the Auto Tender resolution. • For default configurations and upgrades, Phone, Wireless, and Check prefixes will be set as excluded from Auto Tender. • Full details on this feature are included in Section 2.
2. New Tender Resolve ISO message	• Enhancement • A new ISO message (880/890) is available that can be used by a fuel server or any POS system that is integrated directly to WinEPS to request that WinEPS attempt to resolve a specified card number to a card type, based on the card range files, and return to the fuel server the resolution information. • If WinEPS cannot resolve the tender for the specified card number, it will return a tender based on a configuration in WinEPS; the default is 'unresolved,' but any card type may be specified.
3. OpenEPS directly to ServerEPS	• Enhancement • OpenEPS has been updated to allow direct connection to ServerEPS without the need for WinEPS to process transactions. • This change includes an alteration to WinEPS/OpenEPS communication such that the 680/690 confirmation messages are no longer used. • If receipt data is not returned from ServerEPS (or WinEPS), OpenEPS will generate the receipt data internally. This will allow the printing of receipts with ServerEPS. • TORs (Time Out Reversals) will now be handled at the lane instead of at WinEPS/ServerEPS. • Certain limitations are inherent with this setup at the current time, including the inability to make easy configuration changes.
4. Resend terminal message if ACK not received.	• Fixed • To prevent the terminal, POS and OpenEPS from getting out of synch, the manor in which messages are processed to the terminal has been changed. • Previously, OpenEPS would wait 6 seconds for and acknowledgment (ACK) from the terminal before marking it dead and continuing with the transaction. • OpenEPS now resends the message if it doesn't receive an ACK. The message will be resent up to three times. After three times, OpenEPS will use the former logic and wait for a reply and finally timeout as listed above.

Enhancement	Description
5. Send cancel to POS if customer hits cancel	• Enhancement • Previously, OpenEPS would only pass on a cancel button press on the terminal if the POS had set a tender type and OpenEPS was past the first action in the TAC sequence. • This has been updated to pass the cancel along to the POS any time after the POS has set a tender type. Once the customer presses cancel, the terminal will not accept any further input until the POS receives the cancel.
6. Add Function Call for POS to set language	• Enhancement • A new function call, SET_LanguageID, has been added to OpenEPS which will allow the POS to set the customer display language. • This function was added to assist with multiple language self checkout lanes, so that the customer could select their display language once on the POS screen and have that selection applied to both POS and terminal prompts. • Refer to the OpenEPS specification for complete information on using SET_LanguageID. Refer to the WinEPS users guide for Triple Language configuration.
7. Receipt data failed writing due to length	• Fixed • During ECC transactions a large volume of receipt text may be generated; OpenEPS was failing when the receipt text exceeded its limit of 999 characters. • The issue has been corrected so that OpenEPS will only relay the first 999 characters to WinEPS for receipt capture storage, and will no longer fail on receipts longer than 999 characters.
8. Transaction messages with errors will be declined and not forwarded to WinEPS	• Fixed • There was an issue where transactions that failed and were declined at OpenEPS due to missing transaction information were still being forward to WinEPS. Due to the missing information WinEPS would not accept the transaction and OpenEPS would continue to attempt to forward the transaction to WinEPS. • The routine has been modified so that any transaction declined due to missing transaction information will not be forwarded to WinEPS. Standard lane declines not based on missing information will continue to be forwarded to WinEPS normally.
9. RFID support	• Enhancement • To allow the POS to determine how the track data was entered, the new function call MTX_POS_GET_RFID is available. For complete information on this function refer to the OpenEPS Specification.

Enhancement	Description
10. Incorrectly setting Manual ID as Slid	• Fixed • OpenEPS was incorrectly setting a manually entered ID as Slid. • When this occurred a flag was set that caused the manually entered ID data to be sent in the Slid data field for certain hosts. Manually entered ID will now be set correctly and sent to the host in the proper fields.
11. Fixed issues with NB decline	• Fixed • The following issues were fixed dealing with NB decline: The seq # was not correctly incrementing for the re-submittal after an NB response. The seq # will now bump up as it should. The Cash back amount from the previous transaction was being buffered when a NB response was received. The cash back field will now be set to $0 upon re-submit.
12. Correct PIN entry loop	• Fixed • Addressed and issue where multiple pin entry prompts could be sent to terminal during a pin based return transaction which was causing the terminal to loop on PIN entry.
13. Fixed buffering of check data	• Fixed • OpenEPS was incorrectly buffering check data from the first check transaction processed on a lane each day. • If the buffered check data contained invalid MICR data, all subsequent check transactions would have the invalid MICR data.
14. Verify Card TAC issue	• Fixed • OpenEPS had a bug when processing the b – Verify Card TAC before the EFT key was pressed on the POS, the customer display was not being displayed on the terminal correctly. This has been fixed.
15. Increment Sequence number on NV	• Fixed • OpenEPS was not correctly incrementing the MTX Sequence # on a NV response.
16. Set HostReferenceNumber with Voice Auth #	• Fixed • When in Stand In Mode OpenEPS was not setting the HostReferenceNumber with the Voice Auth Number, it was being set blank. OpenEPS will now set the same value for the Voice Auth # as the HostReferenceNumber.

Enhancement	Description
17. OpenEPS not opening when WinEPS started	• Fixed • Corrected an issue where lane was not returning to open status when WinEPS was brought back up unless Stand in at the POST was defined. • This has been corrected so that OpenEPS will correctly response to WinEPS starting regardless of Stand in at the Post setting.
18. Prompt for ID before state code	• Fixed • On Cash Only Social Security Checks OpenEPS was prompting for the State Code before the ID type information had been entered. OpenEPS will now prompt for the ID info before asking for the State Code if needed.

OpenIP Changes

Enhancement	Description
1. -No Change to OpenIP -	• ---

Host Changes

ACI

Enhancement	Description
1. Not cutting over receipt file during EOD	• Fixed • The receipt file for the ACI host was not getting properly cut over and archived during then End of Day process. • This has been corrected so that the receipt information will be cut over properly and added to the archive.

Albertsons

Enhancement	Description
1. -No Change to Host -	• ---

Ascendent

Enhancement	Description
1. RFID support	• Enhancement • RFID support has been added to the Ascendent host interface. When a transaction is performed by RFID entry of track data, POS entry mode 91 will be sent in the outgoing message to Ascendent. • To allow the POS to determine how the track data was entered, the new function call MTX_POS_GET_RFID is available. For complete information on this function refer to the OpenEPS Specification.
2. RFID sent as 0911	• Fixed • RFID flag is now sent to the host as 0911 as per specification.
3. Take locally on response of 96	• Fixed • The host module now handles an online 96 response from the host correctly and will attempt to take the transaction locally if allowed. • If an offline forward receives a 96 decline, it will be returned to the offline queue.

BioPay

Enhancement	Description
1. -No Change to Host -	• ---

Chase

Enhancement	Description
1. Pin Block masking in block out	• Fixed • The PIN block was not being properly masked in the log file for the blockout to the host. This has been corrected to mask the PIN block in the log.
2. WinEPS not resubmitting offline transactions properly on timeout	• Fixed • When an offline transaction is sent to the Chase host, and the transaction times out and receives a MTX 170 time out decline, WinEPS was not properly keeping the transaction in its offline file for resubmission at a later time. • This issue has been corrected so that if an offline forward times out it is held for resubmit.

Concord: EPC

Enhancement	Description
1. Send SIC Code for fuel lanes	• Enhancement • A Standard Industrial Classification (SIC) Code of 5542 is now sent to the host during each transaction for lanes that are classified as 'Fuel' in the lane definition screen. • No SIC code is sent for other lane types.
2. Updated field 105	• Fixed • There was a slight design flaw where the settlement date was being sent in element 105 of the Atlanta host message. • Although the date was valid value for element 105, it has been replaced with "222222" as this value will cause the Concord host to cut the totals over more accurately.

Concord: H&C Format

Enhancement	Description
1. Decline Blackhawk Redemption	• Enhancement • As the Concord H&C host does not support Blackhawk Gift Card redemptions, WinEPS will decline them with an MTX->146. • WinEPS determines which cards a Blackhawk by the listed ProgramID in the Card Prefix Table for Gift Cards. If the ProgramID is set to 'SPP', the card will be treated as a Blackhawk card, and redemptions will be declined.

Enhancement	Description
2. Concord H&C SIC codes for Pharmacy and Fuel Lanes	• Enhancement • The WinEPS interface to Concord H&C now supports sending SIC codes for Fuel Lanes and for Pharmacy lanes. • The SIC codes sent are: 5542 - Fuel Lane 5912 - Pharmacy Lane • The related SIC code will be sent with all transactions from lanes that are defined as Pharmacy or Gas Unattended in the WinEPS GUI (Site Information | Lane Definition).
3. RFID Notification	• Enhancement • When RFID is used as the method of payment, notification is sent to the Concord H&C Host. • Field 8, bit 47 has been updated to inform the host of the method in which the track data was acquired. The possible values are: 0 - Card Slide 1 - Manual Entry 2 - RFID
4. ECC receipt info stored in ECCRecINFO.xml	• Enhancement • Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. • The following Hosts make use of this file: Concord H&C Nova Demo LML EpicTranz • If the ECCRecINFO.xml file is not present, the hardcoded default text will be used. • Full details on this feature are included in Section 2.
5. Expanded check number field	• Fixed • The host module was limiting the check number (a portion of the entire check account data) to 5 characters, while OpenEPS allows for 8. • The check number field in the host module has been increased to 8 as well. This applies to only Buycheck.
6. D18 removed from resubmit	• Fixed • The decline code of d18 was • We had a decline code of D18 incorrectly put into the "hold for resubmit" logic. This has been corrected.

Concord: Memphis

Enhancement	Description
1. -No Change to Host -	• ---

Demo

Enhancement	Description
1. ECC receipt info stored in ECCRecINFO.xml	• Enhancement • Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. • The following Hosts make use of this file: Concord H&C Nova Demo LML EpicTranz • If the ECCRecINFO.xml file is not present, the hardcoded default text will be used. • Full details on this feature are included in Section 2.

ePicTranz

Enhancement	Description
1. ECC receipt info stored in ECCRecINFO.xml	• Enhancement • Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. • The following Hosts make use of this file: Concord H&C Nova Demo LML EpicTranz • If the ECCRecINFO.xml file is not present, the hardcoded default text will be used. • Full details on this feature are included in Section 2.
2. CVV2, Zip Code, and Tax for EpicTranz host	• Enhancement • The following information is now sent to the EpicTranz host: CVV2 (Bit 27) Zip Code (Bit 28) Tax amount (Bit 43) • Not all of these new bits are set for each transaction type. Refer to the EpicTranz host specification for more information on these fields. • These fields rely on the POS to set the values correctly. If the POS does not set the values for any of these fields, the corresponding field will be left blank in the host message.

Enhancement	Description
3. ID masking	• Enhancement • EpicTranz host and engine have been updated to mask Secondary ID data in the message out to the host.
4. Manual ID interfering with check entry method	• Fixed • Manually entered ID was changeing ISO Bit 22, POS Entry Mode, to manual entry. • This caused the check host to think that the MICR was manually entered thus causing check transactions to be approved paper instead of ECC. • The host module will no longer confuse the manual entry of ID with the Entry of the actual transaction.

GlobalPay

Enhancement	Description
1. -No Change to Host -	• ---

LML

Enhancement	Description
1. Support for EBT and GC Balance Inquiry	• Enhancement • Balance Inquiry is supported for EBT and Gift Card with the LML host. • When a Balance Inquiry is done with EBT, the Balance for both Food and Cash is returned.

Enhancement	Description
2. ECC receipt info stored in ECCRecINFO.xml	• Enhancement • Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. • The following Hosts make use of this file: Concord H&C Nova Demo LML EpicTranz • If the ECCRecINFO.xml file is not present, the hardcoded default text will be used. • Full details on this feature are included in Section 2.

Lynk

Enhancement	Description
1. Removed PIN from GC	• Fixed • Fixed an issue where we were adding the pin block to a gift card transaction if the previous transaction was a debit.
2. Clear TORs at EOD	• Fixed • There was an issue where WinEPS was not clearing the TOR queue at the End of Day. This has been corrected.
3. Automatic decline for unsupported lanes	• Enhancement • Updated Lynk host module will decline transactions sent to WinEPS from lanes 94 through 99 as those lane numbers are not supported by the Lynk host.

LX1 and LX2 Hosts

Enhancement	Description
1. EBT & GC PreAuth/Completion Support	• Enhancement • EBT Cash and Gift Card are now supported for Pre-Authorization and Completions for fuel lanes, going to the LX host. • Gift Cards support partial approval on pre-authorizations.
2. Configurable Fuel Pre Auth amount enhancement	• Enhancement • In the Card Processing Profiles, there is a new option for Fuel Pre-Authorization transactions, where, if a $1.00 amount is set to be sent to the host as the pre-authorization amount, then a new option for the amount to be sent to the pump will be displayed. • Generally a $1.00 authorization amount is used to verify the card is valid. In this event, an amount greater than $1.00 must be sent to the pump as the authorized amount so that the pump will have a proper 'cut-off' amount. • These amounts currently only work with the LX host.
3. Fuel support for the LX host:	• Enhancement • Several enhancements have been made to WinEPS to support fuel to the LX hosts: EBT CA (Pre-Auth and Completion) has been added to the ISO8583 message format. GC (Pre-Auth and Completion) have been added to the ISO8583 message format. GC now supports sending "partial approval" amount back to pump. • Fuel configuration options have been consolidated into a single configuration screen. Full details on the new configuration screen are included in Section 2. • New Tender resolution logic and messaging has been implemented so that the Fuel POS can send a card number to WinEPS and WinEPS will attempted to resolve the tender type for that card and send back a message to the POS letting the POS know what tender the card is. • Specifics on this new messaging format can be found in the Terminal ISO Specification.
4. Corrected processing codes	• Fixed • Corrected the processing code for EBT Cash Pre-Auth and Completions to 519600 for Pre-Auth and 529600 for Completions.
5. Undefined hosts showing blank	• Fixed • The option to display on the LX hosts was not functioning correctly due to the elimination of LX3. The result was that hosts that were not defined would show up as blank on the GUI. • This has been corrected so that undefined hosts are shown correctly.

Enhancement	Description
6. Pre-Auth subtype S	• Enhancement • Pre-auth completion messages to Base24 have been modified to send a message subtype of S.
7. Corrected blank tax amount	• Fixed • The host module was incorrectly sending FID 6 Subfield D with blank tax amounts on Credit Completion Transactions. This field is conditional and should only be sent to the host when a Tax amount is set in MTX ISO Bit 61 Fid B.
8. Removed EBT Cash at Fuel Lane	• Fixed • For this version, support for EBT Cash at the Fuel Lanes has been turned off. • WinEPS will still Auto-resolve EBT Cash, however when the pre-auth request, proc code 519600, is received by WinEPS the transaction will be declined with MTX 146 Invalid Transaction.
9. Indicates field length	• Enhancement • A change in the host specification required WinEPS to send the length indicator for Field S-123 RAW MICR. WinEPS will now indicate the length of the field to come in the Block out to the host.

Mainsail

Enhancement	Description
1. Change Bit 148 from Cashier # to Manager #	• Enhancement • For the Mainsail host, Bit 148 will now contain the Manager ID instead of the Cashier Number. If no Manager ID is included in the transaction then Bit 148 will be left blank.

Mercury

Enhancement	Description
1. Mercury Host Single-Threaded work around	• Enhancement • The Mercury ActiveX control has been determined to be single threaded, which means there can only be one transaction processing at a time. If a transaction is currently outstanding, an attempt to send a new transaction will result in an error code of 003002 being returned to WinEPS from the ActiveX control. • To compensate for this, WinEPS will queue up transactions pending to go out to the host.

MPS (Fifth Third)

Enhancement	Description
1. Send Tax Amount to MPS	• Enhancement • The Tax amount will now be sent to the 5/3 host in bit 110, if set by the POS. • If the POS does not set a Tax amount, a default of 000000000 will be sent.
2. Send zip code to MPS host	• Enhancement • Added bit map type 25 which is sent when we get zip code from the POS. The normal bit map type for credit is 22; WinEPS uses the standard bit map unless it receives zip code data in.
3. Incorrect EBT balance printed when not supplied	• Fixed • When no EBT balance was reported from the MPS host, OpenEPS was inserting the purchase total of the transaction in the balance field. This caused the balance to show up incorrectly on the POS receipt.

MTX Receipt Capture Host

Enhancement	Description
1. MTX Receipt Host numeric Store and Company numbers	• Enhancement • Company and store number fields for the MTX Receipt Capture Host are required to be integers. The GUI now prevents non-numeric entry.

NOVA

Enhancement	Description
1. NOVA ECC Support	• Enhancement • The Nova host has been updated to support Electronic Check Conversion. • The update includes ECC receipt information on the WinEPS receipt indicating notice of electronic conversion, and ECC agreement text. • Approved ECC receipts for Nova have a different format than the receipts for other ECC hosts. • Full details on this feature are included in Section 2.

Enhancement	Description
2. ECC receipt info stored in ECCRecINFO.xml	• Enhancement • Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. • The following Hosts make use of this file: Concord H&C Nova Demo LML EpicTranz • If the ECCRecINFO.xml file is not present, the hardcoded default text will be used. • Full details on this feature are included in Section 2.
3. Support for Cashback On ECC	• Enhancement • The Nova host now allows cash back with checks processed through ECC.
4. Prevent Stand in for Checks	• Fixed • Corrected an issue where NOVA ECS transactions were taken offline when in Stand in at the Post mode if offline support was enabled in WinEPS. Since the NOVA host does not allow offline checks this was incorrect.

Paypoint

Enhancement	Description
1. -No Change to Host -	• ---

Pay by Touch

Enhancement	Description
1. Increase Terminal ID field	• Enhancement • The Terminal ID field on the Pay by Touch host screen has been expanded to 6 characters, from the previous limit of 4.

Shared (BigY)

Enhancement	Description
1. -No Change to Host -	• ---

Terminal Code Changes

Hypercom ICE5500

Enhancement	Description
1. New ICE 5500 code 114	• Enhancement • Updated SCAT code for the ICE 5500. • This latest version fixes a WIC issue where running the series 0X14 certification cards would result in a blank PIN pad prompt. With this version, the correct “Return to Clinic” prompt will be displayed.

Hypercom ICE6000

Enhancement	Description
1. New ICE 5500 code 114	• Enhancement • Updated SCAT code for the ICE 6000. • Fixes WIC issues.

Hypercom L4100

Enhancement	Description
1. -No Change to Terminal Code -	• ---

Hypercom L4250

Enhancement	Description
1. Change default 'O' TAC prompts for 4250	• Enhancement • Changed the default text for the O – Signature Capture TAC when the 4250 is the defined terminal. • The new text is: Please Sign and Hit Green Key
2. 4250 USB Support	• Enhancement • The 4250 is now supported for use with the USB port. • To use USB with the 4250, the Hypercom USB to Serial conversion program is required.
3. Display transaction amount on Sig screen	• Enhancement • The latest screen files for the 4250 display the transaction amount and the last 4 digits of the card number on the signature capture screen.
4. Load 4250 terminal via packinglist	• Enhancement • The 4250 terminal will now load SCAT code via the packing list method. • When new SCAT code is released, it will be contained in the screen file zip, and will automatically upload to the terminal to upgrade the SCAT if needed.

Ingenico eN-Crypt 2100

Enhancement	Description
1. -No Change to Terminal Code -	• ---

Ingenico eN-Touch 1000

Enhancement	Description
1. -No Change to Terminal Code -	• ---

Ingenico 6550

Enhancement	Description
1. Additional supported features	• Enhancement • Support for SignOff and Idle Screens has been added along with support for Scrolling Receipts.

IVI C2000 Protégé

Enhancement	Description
1. -No Change to Terminal Code -	•

NCR 5993

Enhancement	Description
2. New screen files	• Enhancement • New screen files: Added decimal point to the customer cashback screen for increased clarity.

Verifone Everest

Enhancement	Description
1. -No Change to Terminal Code -	•

Verifone MX870

Enhancement	Description
1. -No Change to Terminal Code -	• ---

Verifone Omni 490

Enhancement	Description
1. -No Change to Terminal Code -	• ---

Verifone Omni 7000

Enhancement	Description
1. Omni7K SCAT Code Version 43	• Enhancement • New SCAT code fixes WIC issues • Also fixes an issue where the Soft Key buttons were still active in the extreme corner of the sig screen. This could cause the signature to be cancelled with incomplete sig data.

Stand Beside Code Changes

IVI C2000 Protégé

Enhancement	Description
1. -No Change to Stand Beside Code -	• ---

Verifone Everest

Enhancement	Description
1. -No Change to Stand Beside Code -	• ---

Verifone Omni 490

Enhancement	Description
1. -No Change to Stand Beside Code -	• ---

Verifone Omni 3750

Enhancement	Description
1. Removed the "#PRIHOSTIP keyword	• Enhancement • The #PRIHOSTIP keyword was removed as being unnecessary. The primary host IP address is controlled by the #HOSTIP keyword.

Enhancement	Description
2. 3750 Enhancements	• Enhancement • Supports use of receipt header information received in the 0810 response to sign on message instead of from a pre-configured file. • Improved speed of transaction completion times. • Supports 5x40 cashier message setting; only first 20 characters of each line will be displayed. • Corrected intermittent disconnects. • Redundancy support is now included. The 3750 needs to store the IP addresses of both Primary and Backup servers. The 3750 will always try the primary IP address first; if the primary address is not available after 45 seconds, the backup address with be tried. At every cashier sign on, the 3750 will attempt to connect to the primary address again. • A 60 second timeout has been added for the 0800 and 0600 messages. • Automatic recognition of disconnect between 3750 and the PinPad 1000. If the PinPad 1000 is disconnected, the PinPad messages will display on the 3750 and all customer input including PIN entry will be done on the 3750. • If PinPad 1000 is not encrypted, it automatically fails over to the 3750 and requests the PIN entry there. The 3750 will test for connection to the PinPad 1000 whenever a PIN is required. • The keyboard is now temporarily disabled once sign on in initiated until the 0800 timer expires or a response message is received back from WinEPS. • Overrides sequences function properly without the addition of the > - Send Transaction TAC. • Terminal supports the use of a static IP addresses though the config.sys variable #TERMIP. • Vouchers, or any other transactions which uses Auth Code (bit 38), will not allow entry of less than the required 6 digits.
3. Validate cashier number for 3750	• Enhancement • A new option on the Terminal Configuration, Miscellaneous Tab “WinEPS Cashier Validation” allows the cashier number entered at the 3750 to be validated against the cashier numbers that are configured in WinEPS. • When Validation is turned on, if a cashier number is entered that is not in the WinEPS list, WinEPS will send back a notice that the cashier number is invalid and the 3750 will not allow login. • Validation only functions for the 3750 and not for other OpenEPS interfaces. • Full details on this feature are included in Section 2.

External Program Changes

Engine Monitor and Tray Icon

Enhancement	Description
1. -No Change to Engine Monitor and Tray Icon -	• ---

Host Simulator

Enhancement	Description
1. -No Change to Host Simulator -	• ---

IBM Integration

Enhancement	Description
1. Improved 4100 download speed	• Enhancement • To improve the speed of downloads to the 4100 terminal, the SCAT code and the screen files are now pre-loaded to the IBM server, for load to the terminal when required. • During the WinEPS startup procedure, the SCAT code and screen files will be loaded to both the primary and backup IBM servers via FTP. • New configuration settings for the IP addresses of the IBM servers and the FTP account must be configured in WinEPS for this procedure to function. If these settings are not configured, download will occur through OpenEPS at the previous slower speed. • Full details on this feature are included in Section 2.

OMNI 7000 Scanmaster Code

Terminal code for the Scanmaster system is written and maintained by Concord. It is distributed on the WinEPS installation CD for convenience only.

Enhancement	Description
1. -No Change to Scanmaster Service -	• ---

Redundancy Service

Enhancement	Description
1. -No Change to Redundancy Service -	• ---

UpdateFiles.Exe

Enhancement	Description
1. -No Change to UpdateFiles.Exe -	• ---

Virtual Terminal 2

Enhancement	Description
1. Interface Enhancement	• Enhancement • Virtual Terminal 2 has been enhanced for easier navigation. Each screen now has a default action that can be activated by pressing Enter. This option is typically the most common option on the screen, such as selecting OK after entering requested data (dollar amounts, card number, etc). The default action is generally indicated by the on-screen text. • Amount Entry screens now include a decimal place. • Default Check types shown now include only Personal, Payroll, and Business by default. • Tabbing has been made more convenient, and it is now easier to tab through the on-screen options.
2. VT using customer selected tender	• Fixed • VT had an issue with customer selected payment still requiring the selection of a tender type on the VT screen. This has been corrected such that if a customer selects a specific tender on the terminal, it will take the entered tender and move onto the transaction type selection screen.
3. VT MICR read	• Enhancement • VT now supports the use of the Magtek Mini MICR reader. • MICR Supports parsed and Raw MICR data.
4. Printer for VT	• Fixed • VT will properly select the default windows printer as the device to print all receipt information to.

Section 2

New Features

WinEPS Fixed Issues and Enhancements #3:

Setting Operator Accounts as Groups

To allow users to automatically log on as members of a group, you must define operator accounts in WinEPS that have the same name as Windows Groups that your users are members of.

To use this feature in Windows NT you need to install ADSI client for NT. ADSI 2.5 for NT can be found on the Microsoft Web site at:
http://www.microsoft.com/technet/archive/winntas/downloads/adsi25.mspx?mfr=true

1. Determine what Windows Groups your users are part of and note the exact names of these groups (watch for things like 'Administrator' and 'Administrators', some groups are plural and some are not, and only the exact name will be verified).
2. In the WinEPS GUI go to Site Information | Operators; this displays the Operators window.
3. From the Operator File window, click the New button; this displays entry boxes for the New Operator's User Name and Full Name; the new Operator's permissions are displayed at the bottom of the window.
4. Fill in the Group name with the exact name of the Windows group that your users are members of. Give a description of that group.

5. Click the Windows Group box in the center of the screen.
6. At the bottom of the screen, determine the permissions that members of this group should be granted when they are automatically logged on to WinEPS.
7. Click Save; you will not be prompted for a password, as groups do not use passwords stored in WinEPS.

OpenEPS Fixed Issues and Enhancements #1:

Exclude Prefix from Auto Tender

Successful Auto Tender resolution relies on being able to locate a card prefix in only one prefix table. If a card prefix is located in more than one prefix table, Auto Tender resolution fails and the customer is prompted to select the card type. If only one prefix is found, the transaction will automatically proceed as that tender.

To allow increased configurability, WinEPS includes a field for each prefix that will determine whether the prefix will be included or excluded from the search during Auto Tender resolution.

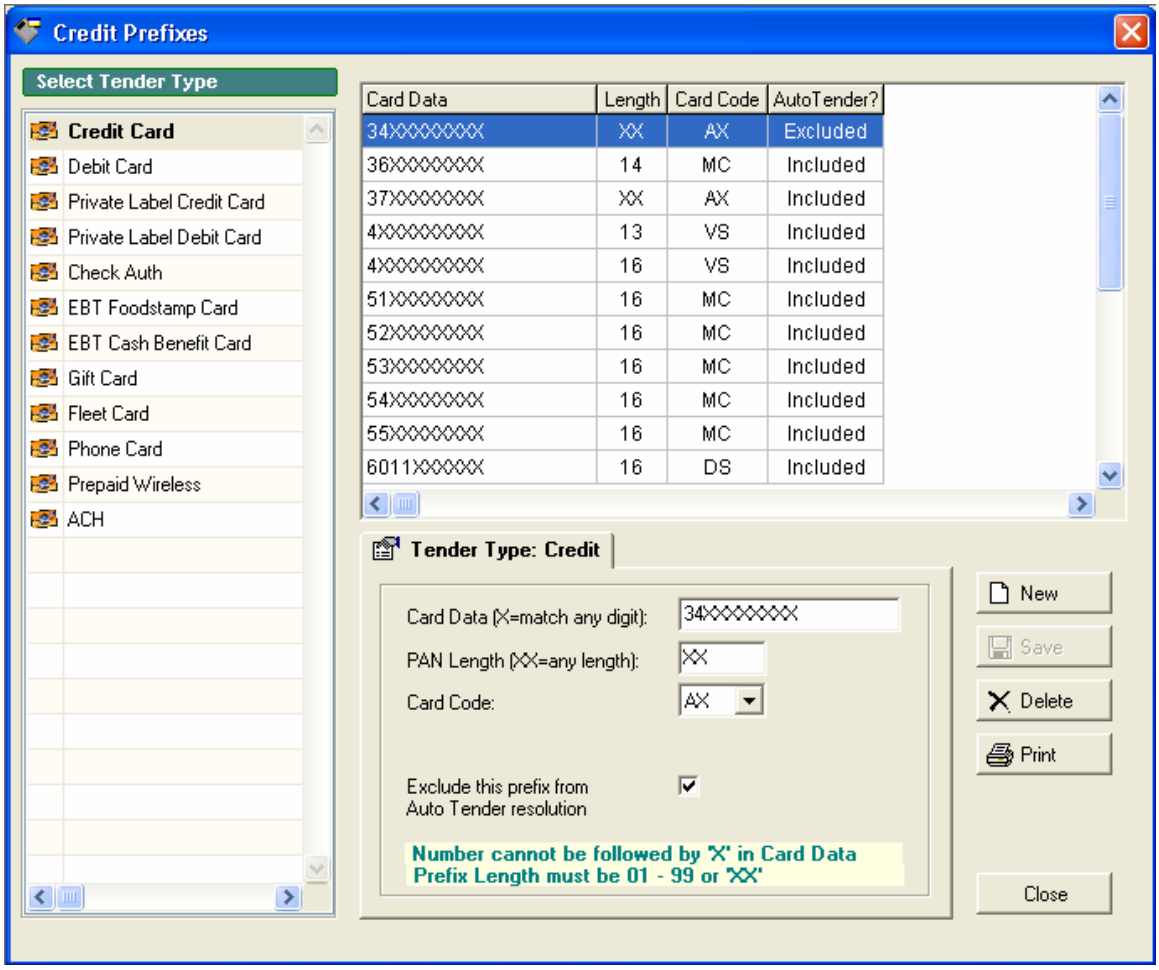
Most tenders can be used for payment through the PIN Pad, but a few tenders such as Phone Cards, Wireless Cards, Checks and sometimes Gift Cards (such as those in the Blackhawk program) are either not for use as payment or are not performed through the terminal. Tenders that are not used for payment should not be included in the prefixes searched when an Auto Tender resolution search is performed.

Additionally, Gift Cards are often configured with a single ‘all-wildcard’ prefix (especially at locations that support the Blackhawk gift card program), however if wildcard prefixes are included in the prefixes searched, they will interfere with Auto Tender Type resolution.

WinEPS automatically defaults to exclude searching Phone Cards, Wireless Cards, and Check prefixes when performing Auto Tender. This streamlines the Auto Tender process and prevents regular payment cards from being detected as one or more of the non-payment card types, and thus prompting the customer to manually select their tender.

If a merchant wishes to use a wildcard prefix for Blackhawk Gift Card activations along with Auto Tender resolution for other tenders (including purchases with non-Blackhawk Gift Cards) then the Gift Card ‘all-wildcard’ prefix entry should be set to "excluded" and other prefixes that are desirable for Auto Tender resolution should be set as "included."

Follow the steps below to add or remove prefixes from the Auto Tender search routine.
1. In the WinEPS GUI, go to Configuration | Allowable Card Prefixes.
2. From the list of tenders on the left, select the tender for the card prefix to modify.



3. Locate the card prefix that requires modification, and select it.
4. As shown above, once selected, the bottom portion of the screen will display the prefix details. Check or uncheck the box next to the 'Exclude this prefix from Auto Tender resolution' option.
   - If the box is unchecked, the card prefix will be searched when performing Auto Tender and the AutoTender? column will display 'Included.
   - If the box is checked, the card prefix will not be searched when performing Auto Tender and the AutoTender? column will display 'Excluded'.
5. Click Save to save any changes.
6. Stop and restart the WinEPS engine to implement the changes.

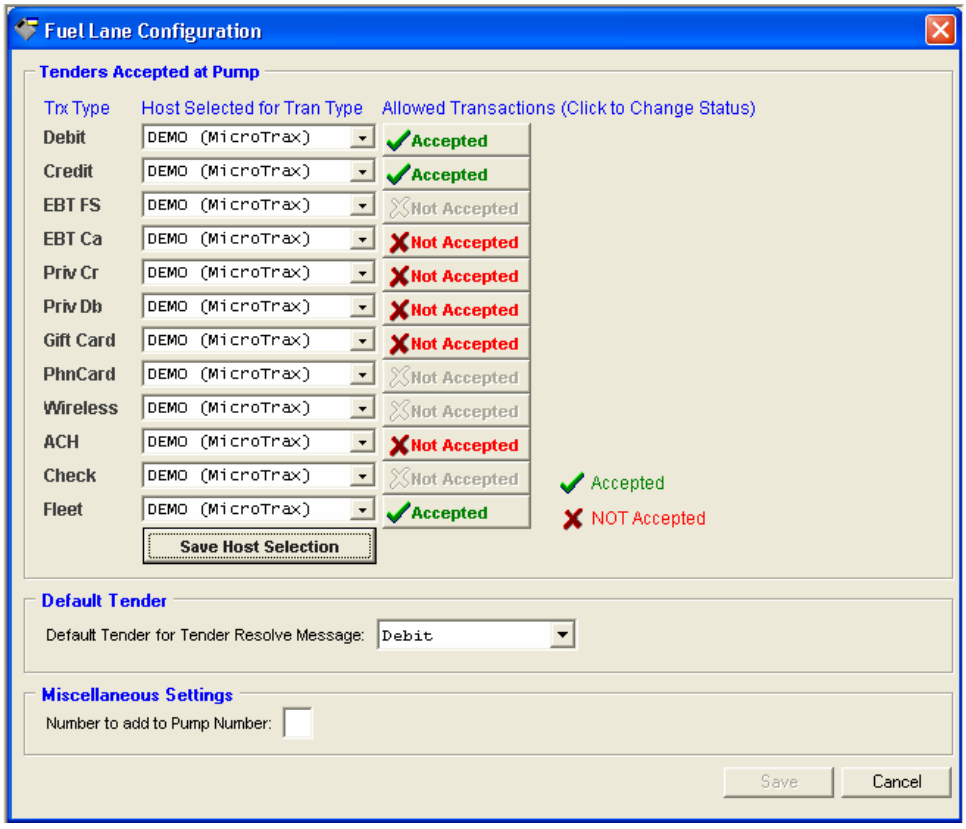
LX Host Fixed Issues and Enhancements #3:

Fuel Lane Configuration

Fuel configuration options have been consolidated into a single configuration screen.

Terminal Configuration ► Fuel Lanes

Unlike the other two lane configuration options (OpenEPS Lanes and Other Lanes) Fuel Lanes all use the same configuration. All fuel-specific settings are controlled on this single page of options.



Menu Item	Description
Host Selected for Tran Type	This set of dropdown boxes can be used to determine to what host each transaction type is sent for authorization. Changes made to hosts on this screen are universal, and affect all lanes, OpenEPS, Fuel and Other. Additional information on configuration hosts for each tender can be found in the Change Host Selection section of the OpenEPS Lanes: Tender Configuration Tab.
Change Host Selection / Save Host Selection	The Change Host selection button is used to make changes to the selected hosts. Once the changes are complete select the Save Host Selection button to save the changes and move to the host configuration screen.

Menu Item	Description
Allowed Transactions	• Fuel lanes may send a special message to WinEPS which contains the card number, and WinEPS will compare the given card number with its card prefix table and attempt to resolve the card type to a single card. The transaction types listed here are solely used in determining what transaction types are valid for the special Tender Resolve message. If a tender is marked as Accepted, then WinEPS will check the associated prefix table and include that tender in the attempt to resolve the tender of the card number given. If the tender is marked as Not Accepted, it will be excluded from the tender resolution. This setting will not prevent WinEPS from accepting any fuel transaction, even if the card type is marked Not Accepted.
Default Tender for Tender Resolve Message	• Fuel lanes may send a special message to WinEPS which contains the card number, and WinEPS will compare the given card number with its card prefix table and attempt to resolve the card type to a single card. If WinEPS cannot resolve the card number to a single card type (for example if the card is both a credit and debit card), this setting controls what tender type will be returned to the fuel lane.
Number to Add to Pump Number	A number that is added to the pump number received from the pump used to determine the WinEPS lane number for that pump. For example, if the value entered for this option were 20, pump 1 would be listed as lane 21. This is used to prevent overlap between pumps and grocery lanes.

Tender Resolution Message

When a fuel lane receives a customer card slide of a payment card, that fuel server may send the card information to WinEPS for tender resolution. The fuel POS sends a special ISO message to WinEPS that contains the card number; WinEPS then attempts to resolve that card number to a specific tender by consulting the allowable card prefixes for each tender type that is marked as 'Accepted' on the Fuel Lane Configuration screen.

If WinEPS locates a single matching prefix, a message will be sent back to the POS listing the tender type for the card. If WinEPS locates the prefix in both the Credit and Debit tables the tender type of 'Combo Card' will be sent back to the fuel lane. If WinEPS finds prefixes that match the card number in more than one of its prefix tables other than a credit/debit combo card, WinEPS will return to the Fuel POS the tender type specified under the Default Tender section.

The most common type of card found on multiple prefix tables is a combo card (Credit/Debit) and these types of cards will be resolved to 'combo'. However, if more than one tender is valid for the card, such as a card with a prefix that is listed in both the EBT and Gift Card prefix tables, the Default Tender is what is returned to the POS, even if the Default Tender is not valid for the card type. Example, A card is swiped that matches the prefix on two table but is not a combo card, and the Default Tender is set to Debit; the card is found on the EBT and Gift Card tables, so the Default Tender is used, and Debit is returned to the Fuel POS lane.

The Tender Resolution message is an ISO message the fuel server or any POS system that is integrated directly to WinEPS can use. Specifics on the messaging format can be found in the Terminal ISO 8583 Base Interface specification.

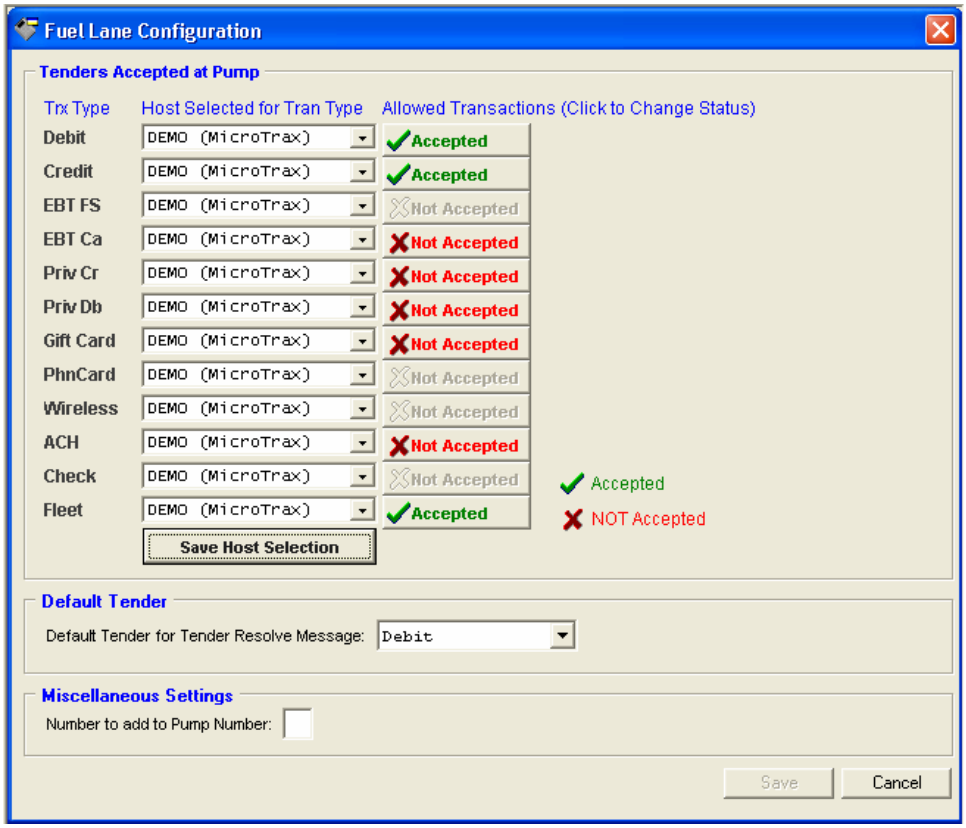
Fuel Lane Setup

Lanes used for automated Fuel Pumps utilize slightly different setup configurations from most other types of lanes. Fuel lanes use an ISO8583 protocol to communicate with WinEPS; this means that it uses neither OpenEPS, nor 385 LAN. Fuel lanes will utilize non-MTXEPS programs to originate the messaging that WinEPS receives, and thus do not maintain WinEPS or OpenEPS logs at the lane.

Fuel Lane Setup

To set up an automated fuel lane, perform the following steps:

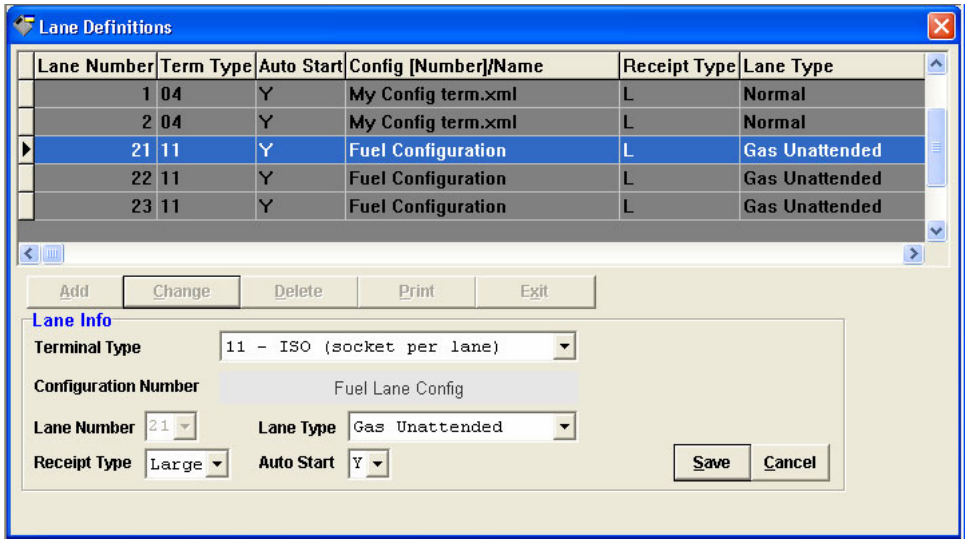
1. Go to Configuration | Terminal Configuration | Fuel Lanes.
2. The hosts for each tender type may be set up by selecting the Configure Host Selection button. Instructions on selecting and configuring hosts can be found in Chapter 10 – Common Tasks, Hosts Setup. Once the changes are complete select the Save Host Selection button to save the changes and move to the host configuration screen.
3. On the Host configuration screen select Save and Exit to return to the Fuel Lane Configuration screen.



App C, Fig 1 – Fuel Lane Configuration

4. Fuel lanes may send a special message to WinEPS which contains the card number, and WinEPS will compare the given card number with its card prefix table and attempt to resolve the card type to a single card. Under Allowed Transactions, turn on all the transactions for which you would like WinEPS to perform Tender Resolution.
   - Note that this setting does not prevent WinEPS from accepting any transaction type and controls only the tenders used in Tender Resolution. For additional information on this setting refer to Chapter 8, Terminal Configuration ► Fuel Lanes.

5. Next enter the Number to add to Pump Number; this is an offset number for fuel lanes so they are not confused with regular store lanes. See below for additional information.
6. Go to Site Information | Lane Definition.



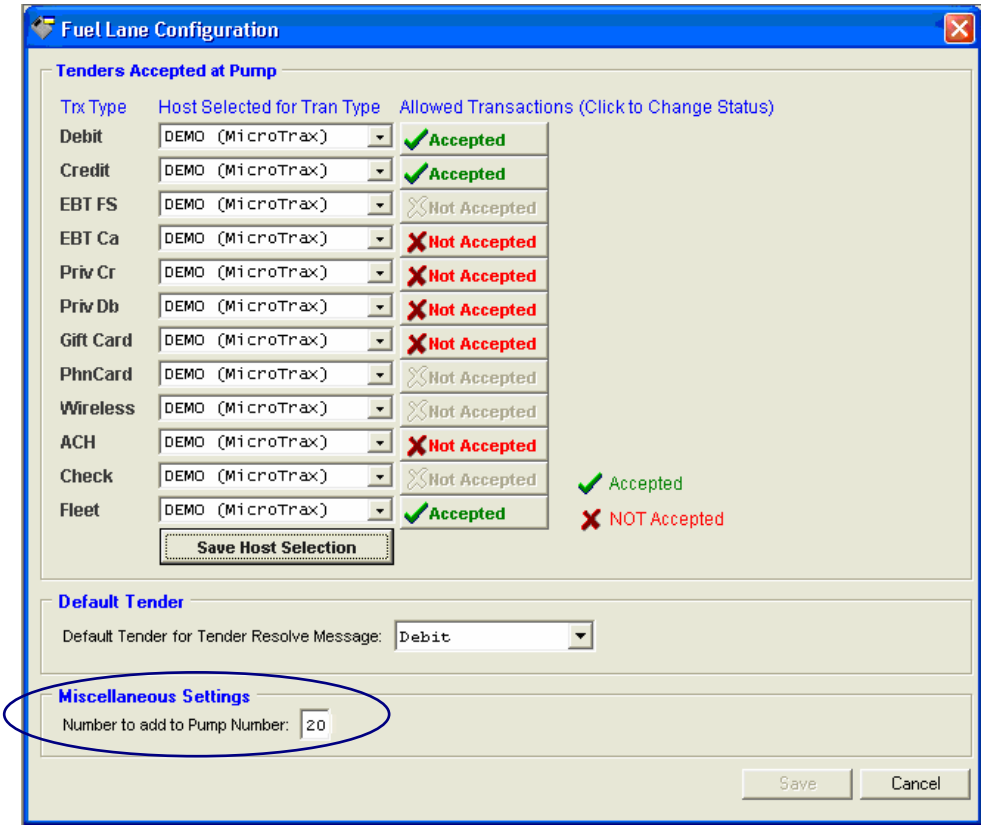
App C, Fig 2 – Fuel Lane Setup -Lane Definitions

7. To create a new lane, click Add.
8. Select a Lane number consistent with the fuel lane numbering scheme based on the number selected in the Number to add to Pump Number option.
9. Use the dropdown list for Lane Type to select Gas Unattended. Doing this will change the screen as shown above, setting the terminal type and removing the Configuration Number (it is not used for Fuel Lanes)
10. For the Terminal Type, select either 11 – ISO (Socket per lane) or 12 – ISO (Single Socket)
11. Click Save.

Number to Add to Pump Number

Often, when setting up fuel lanes, it will occur that the numbering for the fuel lanes will begin at 1. This can sometimes conflict with non-fuel lanes also setup at the same site, as these lanes may also start their numbering at 1. To resolve this conflict, allowing both types of lanes to be listed as needed in their own software, WinEPS can add a specified number to all fuel lanes to keep them separate in its own processing.

This Setting is listed under Terminal Configuration ► Fuel Lanes.



App C, Fig 3 – Fuel Lane Setup - # to add to Pump Number

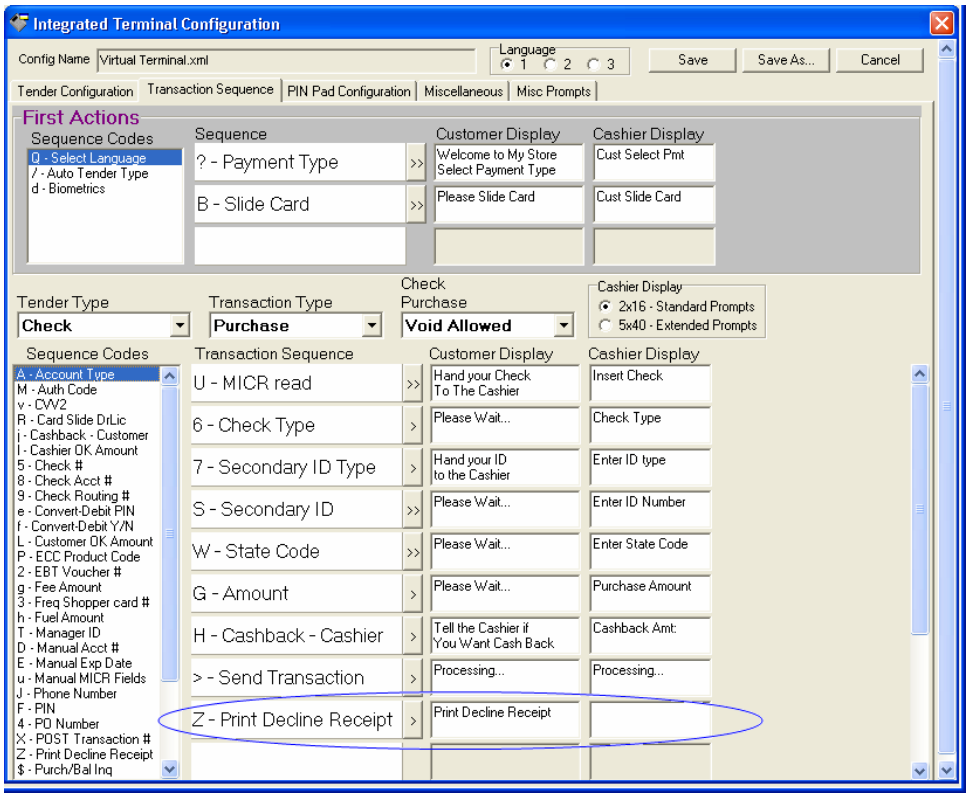
The number entered in this field is an offset value added to the number given to the fuel lane. For example, if the number entered were 20, then fuel lane 1 would be lane 21 to WinEPS. This effects the lane configuration for WinEPS. When using the Number to add to Pump Number option, be sure to take this into account when setting up the WinEPS lanes; in the example above, on the Lane Definition screen the lane number should be entered as 21, and configured as an automated fuel lane.

Nova Host Fixed Issues and Enhancements #1:

Nova Electronic Check Conversion Requirements

The following information pertains to Electronic Check Conversion (ECC).

- Only Personal Checks are supported by the Nova host; All Personal checks will be processed for Electronic Check Conversion.
- Personal Checks that can not be converted (ECC) will be declined and merchant will have the choice to accept unconverted checks independently.
- To send ECC check transactions you must have a check reader and configuration that sends raw TOAD format MICR to the POS.
- NOVA may require the implementation of check imaging to support certain features: contact NOVA or your POS vendor for details on imaging requirements.
    - When using NOVA's back office batch imaging feature, it will be necessary to contact your POS manufacturer for instructions or updates to disable the printing of "***VOID***" on the front of checks that were electronically converted. **Additional POS development may be necessary to fully support NOVA ECC**.
- It is required for NOVA that you enable Decline Receipt printing for checks. (TAC O – Signature Capture is optional). To enable Decline Receipt printing follow the steps below:
    1. In WinEPS go to Configuration | Terminal Configuration > OpenEPS Lanes and select your terminal configuration XML file.
    2. Go to the Transaction Sequence Tab
    3. Using the Tender Type Drop Down, select Check. Verify Purchase is set in the Transaction Type box.
    4. Drag TAC Z – Print Decline Receipt from the Sequence Codes box, into the TAC sequence for check purchase. It should be placed at the end of the sequence, just after the > – Send Transaction TAC as shown below.



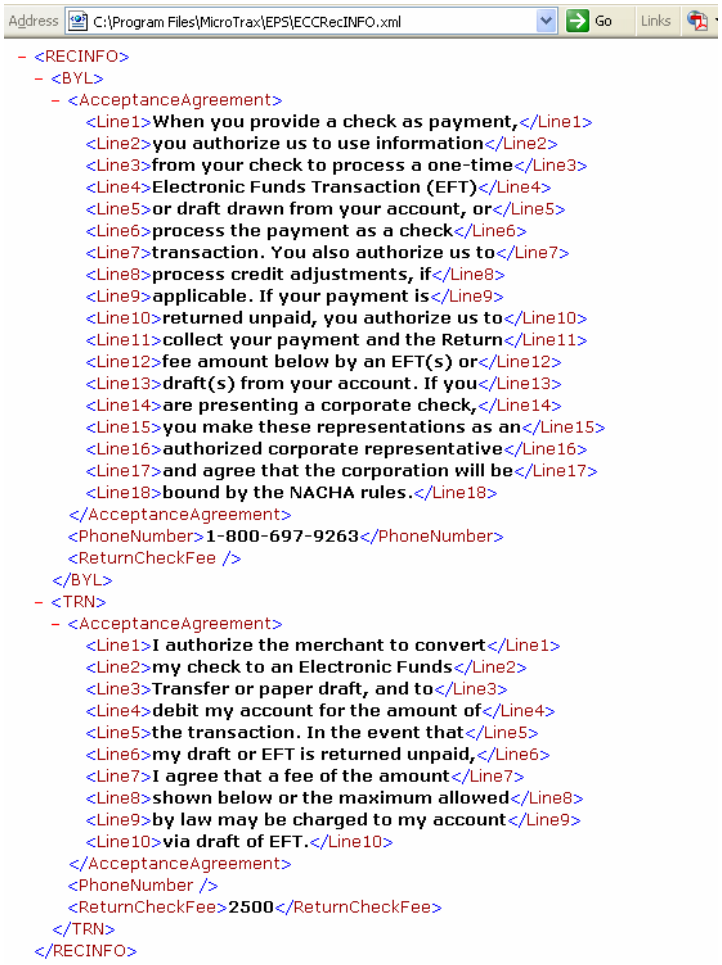
- Optionally, Signature Capture may be used with Check Transactions. Refer to the Signature Capture section of the WinEPS User's Guide for complete information.

Nova Host Fixed Issues and Enhancements #2:

Electronic Check Conversion Receipt Setup

Electronic Check Conversion is performed by several supported hosts. Electronic Check Authorization notification text, the return check fee, and the host contact phone number information that is printed on the customer receipt are configurable.

Hosts that perform ECC transactions draw the ECC receipt text from the ECCRecINFO.xml file. This file is located in the C:\Program Files\MicroTrax\EPS\ directory on the WinEPS server. If the ECCRecINFO.xml file is not present in the EPS directory, hardcoded default text will be used.




```
- <RECINFO>
  - <BYL>
    - <AcceptanceAgreement>
        <Line1>When you provide a check as payment,</Line1>
        <Line2>you authorize us to use information</Line2>
        <Line3>from your check to process a one-time</Line3>
        <Line4>Electronic Funds Transaction (EFT)</Line4>
        <Line5>or draft drawn from your account, or</Line5>
        <Line6>process the payment as a check</Line6>
        <Line7>transaction. You also authorize us to</Line7>
        <Line8>process credit adjustments, if</Line8>
        <Line9>applicable. If your payment is</Line9>
        <Line10>returned unpaid, you authorize us to</Line10>
        <Line11>collect your payment and the Return</Line11>
        <Line12>fee amount below by an EFT(s) or</Line12>
        <Line13>draft(s) from your account. If you</Line13>
        <Line14>are presenting a corporate check,</Line14>
        <Line15>you make these representations as an</Line15>
        <Line16>authorized corporate representative</Line16>
        <Line17>and agree that the corporation will be</Line17>
        <Line18>bound by the NACHA rules.</Line18>
      </AcceptanceAgreement>
      <PhoneNumber>1-800-697-9263</PhoneNumber>
      <ReturnCheckFee />
    </BYL>
  - <TRN>
    - <AcceptanceAgreement>
        <Line1>I authorize the merchant to convert</Line1>
        <Line2>my check to an Electronic Funds</Line2>
        <Line3>Transfer or paper draft, and to</Line3>
        <Line4>debit my account for the amount of</Line4>
        <Line5>the transaction. In the event that</Line5>
        <Line6>my draft or EFT is returned unpaid,</Line6>
        <Line7>I agree that a fee of the amount</Line7>
        <Line8>shown below or the maximum allowed</Line8>
        <Line9>by law may be charged to my account</Line9>
        <Line10>via draft of EFT.</Line10>
      </AcceptanceAgreement>
      <PhoneNumber />
      <ReturnCheckFee>2500</ReturnCheckFee>
    </TRN>
</RECINFO>
```

The receipt information may be changed by editing the ECCRecInfo.XML file with either an XML editor or a standard text editor such as notepad. If opened in a text editor, be sure not to alter the XML formatting.

The ReturnCheckFee amount in the XML file will only be used if the host does not supply a specific fee amount in the approval message. In addition to the check fee, the host may return supplemental text which will also be written to the receipt, and is not contained in the XML file.

The ReturnCheckFee value placed into the XML must be numeric only (with no decimal or $ sign), and may be up to 6 digits in length. No value is initially specified in the XML file, so the

default text of “Maximum fee allowed by state law" will be printed instead. There is an implied decimal place, thus with the example shown above the value of 2500 is $25.00.

If no value or invalid data, is entered for the ReturnCheckFee, it will be ignored and replaced instead with default text "Maximum fee allowed by state law." Similarly, if the XML file is missing or corrupt, default ECA text and host phone number information will be used instead.

Each host that supports ECC has its own section for receipt text in the ECCRecInfo.XML file. The text for a given host will appear between the XML tags listed for that host. The following hosts make use of the ECCRecInfo.XML file:

Host	Host Receipt Section (XML Tag for host)
Concord H&C	<BYL> </BYL>
Nova	<NOV> </NOV>
Demo	<DEM></DEM>
LML	<LML> </LML>
EpicTranz	<TRN> </TRN>

ECC Receipt Text changes

Follow the steps below to make changes to the ECC receipt text.

1. Determine which host you are using; look up the tags for that host on the table above.
2. Browse to the C:\Program Files\MicroTrax\EPS\ directory.
3. Open the ECCRecInfo.XML file with either an XML editor, or a text editor (such as Notepad).
4. Locate the section in the XML file for your host by searching fro the XML from the table above.
5. Update the text as desired; do not exceed 38 characters across for each line. When changing the text be sure not to alter the tag markers for each line.
6. Changes may be made to each section:
   - AcceptanceAgreement
   - PhoneNumber
   - ReturnCheckFee
7. Save the file when changes are complete.

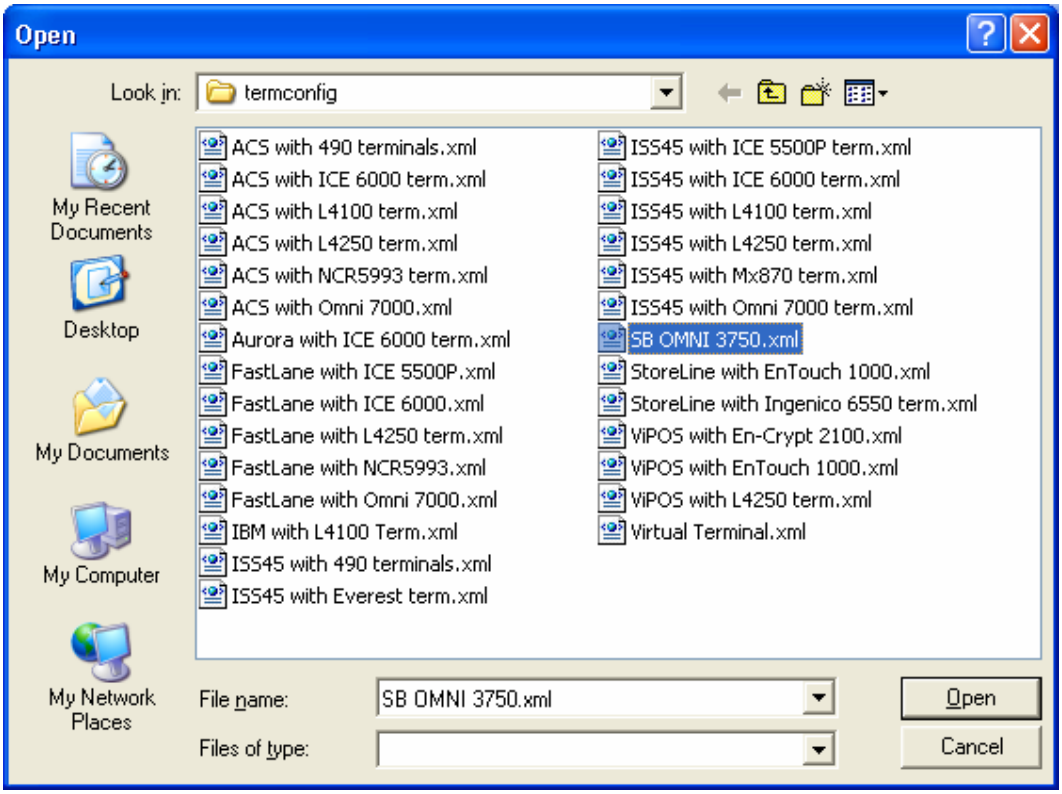
Verifone Omni 3750 Fixed Issues and Enhancements #3:

WinEPS Cashier Validation with the Omni 3750

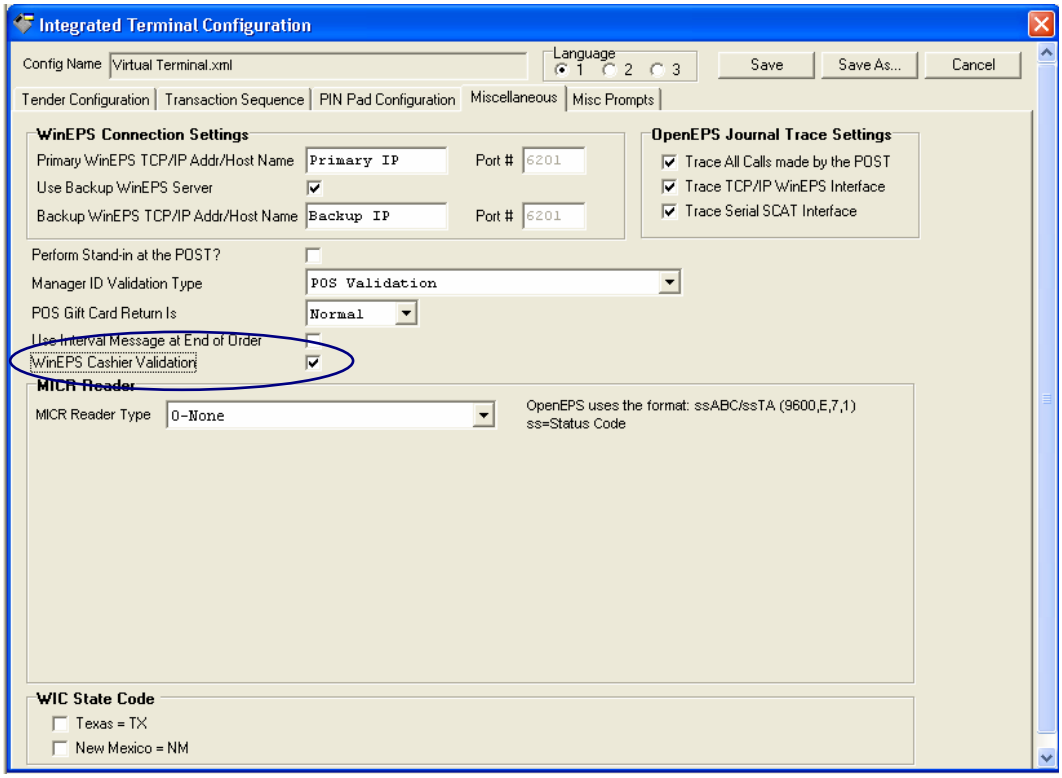
The Omni 3750 stand beside offers the ability to validate cashier numbers entered at the terminal by verifying the number with WinEPS. When this feature is used, the 3750 will prevent signing on to the terminal if the cashier number entered does not match a valid cashier as entered in the cashier list on the WinEPS server.

To configure the 3750 to use Cashier Validation, follow the steps below.

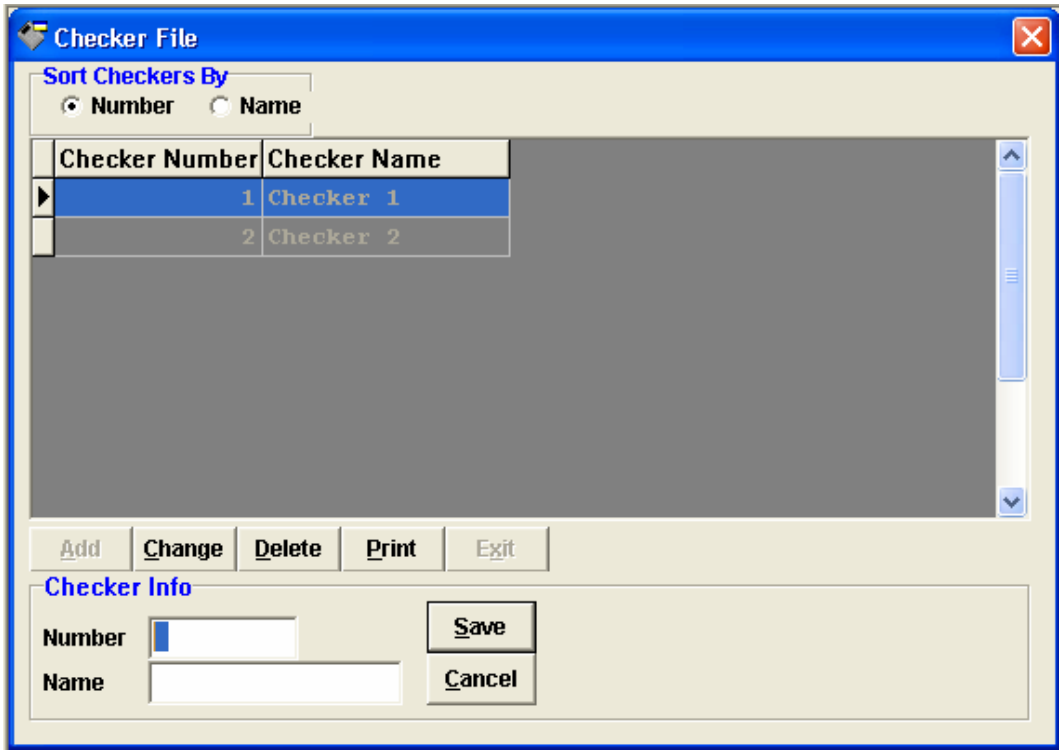
1. In WinEPS, go to Configuration | Terminal Configuration > OpenEPS Lanes.
2. Select the configuration you are using for the 3750 from the list.



3. Go to the Miscellaneous Tab.
4. Check the box next to WinEPS cashier Validation, as shown below.



5. Click Save to save your configuration
6. Next, in WinEPS, go to Site Information | Checkers.
7. The Checker File box will appear; Click Add to add a new checker to the list of valid checkers.



8. Enter the checkers number and name. The number will be used to sign onto the 3750.
9. Click Save to save the checker information. You may continue to add checkers by clicking the Add button.
10. When finished, click the Exit button to exit.
11. Stop and restart the WinEPS engine to implement the new settings.

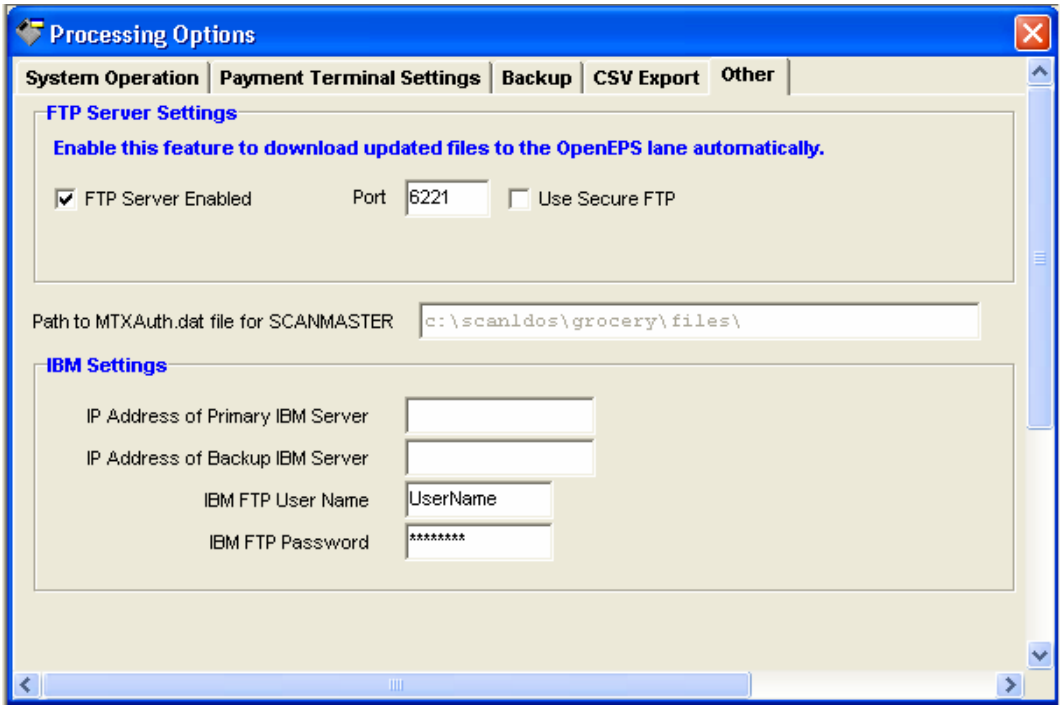
IBM Integration Fixed Issues and Enhancements #1:

IBM FTP Settings

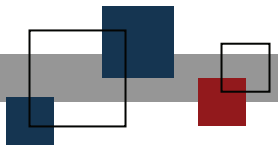
To expedite the downloading of the terminals attached to the IBM system, WinEPS transfers the SCAT code and screen files to the IBM servers via FTP.

Follow the steps below to set up the FTP from the WinEPS server to the IBM servers.

1. In WinEPS, go to Site Information | Processing Options.
2. Select the Other Tab.



3. In the IBM Settings section, enter the IP address of the Primary IBM server.
4. Enter the IP address of the Backup IBM server.
5. Enter the User Name and Password for the FTP service that runs on the IBM server. The servers will have a single login that both will use.
6. Click Save to save the changes



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