

-  *Connected Payments*
-  *Release Notes*
-  *Release 2.18*
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## Connected Payments Release Notes

<b>Date of Issue</b>	<b>Product ID Number</b>	<b>Part Number</b>	<b>Brief Description</b>
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Other Releases: 89000445, 89000460, 89000474, 89000477, 89000486, 89000487, 89000513			
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February 2010	45001/112	89000557a	Release 2.16 Update
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# Section 1

## Connected Payments Fixed Issues and Enhancements

### Web GUI Changes

Enhancement	Description
1. Masked Check account reporting format change	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● For Checks, the masked “Account Number” field will now display the first 6 digits of the check routing number coupled with the last 4 digits of the account number.</li> <li>● This will prevent the entire account number from being shown in the reports, for checking accounts that are less than 10 digits long.</li> </ul>
2. Check Number included in CSV export	<ul style="list-style-type: none"> <li>● Fixed</li> <li>● The CSV export now includes the check number. The check number was previously incorrectly missing.</li> </ul>
3. New Cross-Company user accounts	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● A new ‘Cross-Company’ login type has been created that will allow resellers and other support organizations to switch between companies without having to log into and out of each company.</li> <li>● Resellers should contact the MTX Sales department with any requests to adjust cross company user settings.</li> </ul>
4. New TRN50 FSA Reporting FSA Reporting	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● There is a new report available that displays a breakout of the different FSA amounts for FSA transactions.</li> <li>● <a href="#">Full details on this are included in Section 2.</a></li> </ul>
5. Improved Web Client Report efficiency (TRN02, TRN40)	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● As part of data handling improvements, the TRN02 Declined Transaction Log report and the TRN40 Transaction List report have been made more efficient.</li> </ul>

Section 1 – Connected Payments Fixed Issues and Enhancements  
**Web GUI Changes**

Enhancement	Description
6. Match Pre-Auth with Completion on report	<ul style="list-style-type: none"> <li>■ Fixed</li> <li>■ Corrected the Pre-Auth/Completion report to correctly group the Pre-Auth with its corresponding completion. Previously the Pre-Auth and the Completion were not grouped together on the report.</li> </ul>
7. New eWIC Variance Report (TRN60)	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ A new report has been added to display the variance from eWIC transactions being approved for an amount less than the amount submitted.</li> <li>■ For eWIC transactions, if the eWIC transaction is approved, the POS will receive a response indicating the approval along with the full amount of the request, even if the transaction was only partially approved</li> <li>■ This new report will assist merchants in tracking their losses due to partially approved eWIC orders.</li> <li>■ <a href="#">Full details on this are included in Section 2.</a></li> </ul>
8. Clarify Offline Count/Amount	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Additional text has been added to the Store Monitoring page in order to clarify that the count and amounts being reported there are for transactions still in the OpenEPS offline queue at the POS lane.</li> <li>■ Offline Transactions that have been passed to ServerEPS and that currently reside in the ServerEPS offline queue are not reported on the Store Monitoring page.</li> </ul>
9. Sort Stores Numerically	<ul style="list-style-type: none"> <li>■ Fixed</li> <li>■ Reports SSR01 and TRN03 have been corrected to sort store numbers numerically instead of alphabetically.</li> </ul>
10. Add eWIC to Sales Summaries reports	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ The eWIC tender type has been added to the Sales Summary reports.</li> </ul>
11. Pre-cache data to improve login time	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Added background processes to improve login speed for users signing into the web GUI.</li> </ul>
12. Remove logout timer from Logout page	<ul style="list-style-type: none"> <li>■ Fixed</li> <li>■ Removed unnecessary idle timer from the logout page; user is already logged out.</li> </ul>


Section 1 – Connected Payments Fixed Issues and Enhancements  
Web GUI Changes

Enhancement	Description
13. Create permission allows creating a group	<ul style="list-style-type: none"><li data-bbox="565 268 667 300">■ Fixed</li><li data-bbox="565 331 1425 415">■ Users that possess only the Create permission may now create User Groups. Previously if a user account had the Create permission but not Modify permission for User Groups, the account was unable to create a User Group.</li></ul>
14. Correct Save button	<ul style="list-style-type: none"><li data-bbox="565 457 667 489">■ Fixed</li><li data-bbox="565 520 1442 604">■ Corrected an issue where, under some circumstances, a user with reset password permission could not reset a password because the save button was hidden.</li></ul>

## Transaction Processing Changes


Enhancement	Description
1. Configurable Blackhawk Store Number	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Added support for sending a configurable Blackhawk Store Number to Lynk for Blackhawk transactions.</li> </ul>
2. Provide eWIC APL file for POS Systems	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ The eWIC Approved Product List (APL) file is now provided by a web service call that POS systems may make to ServerEPS. This call will deliver the APL file for all states that the store is configured for.</li> <li>■ Merchants should contact their POS vendors about this functionality; POS vendors may contact MTX Support, or MTX Sales to receive additional information about integration methods.</li> </ul>
3. Manual Card Entry on PIN Pad	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Manual entry of card numbers can now be performed at the terminal instead of on the POS. This process can help remove the POS from the need to handle card numbers.</li> <li>■ The option to prompt for card numbers at the PIN pad is a new option of the D – Manual Acct # TAC.</li> <li>■ <a href="#">Full details on this are included in Section 2.</a></li> </ul>

## Terminal Changes

Enhancement	Description
1. -No Change to Terminals -	 ---

## Stand Beside Solutions

### VeriFone Vx570

Enhancement	Description
1. -No Change to Vx570 -	 ---

## Host Changes

### ACI

Enhancement	Description
1. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

### ADS

Enhancement	Description
1. Accept SAF for private credit recharge/payments	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Store and Forward processing is now supported for private credit recharge/payments transactions to the ADS host.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
3. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

## Chase Paymentech

Enhancement	Description
1. Support balance for Debit and Credit	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● Added support for receiving balance information on Credit and Debit transactions from the Chase host. Balances received will be printed on the receipt.</li> <li>● Debit balances are not printed to the customer receipts at this time because some issuers have incorrectly returned checking account balances and not just pre-paid card balances. See <a href="#">Patches to Previous Releases</a> section.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion transactions are sent to the host without full track data.</li> </ul>
3. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

## Concord: EPC Format

Enhancement	Description
1. Support balance for Debit and Credit	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● Added support for receiving balance information on Credit and Debit transactions from the Concord EPC host. Balances received will be printed on the receipt.</li> <li>● Debit balances are not printed to the customer receipts at this time because some issuers have incorrectly returned checking account balances and not just pre-paid card balances. See <a href="#">Patches to Previous Releases</a> section.</li> </ul>
2. Return AVS response information to FuelEPS	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● The AVS response information provided by Concord EPC will now be passed from the host to FuelEPS.</li> </ul>
3. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>

Enhancement	Description
4. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

## Concord: H&C Format

Enhancement	Description
1. Send FID 'i' as '5' if the POS doesn't support partial auth	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In the event that a POS indicates it cannot support partial approval, FID 'i' will be sent as '5' so that Concord will return the balance information even if partial auth is not supported.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
3. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

## Elavon

Enhancement	Description
1. Support balance for Debit and Credit	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● Added support for receiving balance information on Credit and Debit transactions from the Elavon host. Balances received will be printed on the receipt.</li> <li>● Debit balances are not printed to the customer receipts at this time because some issuers have incorrectly returned checking account balances and not just pre-paid card balances. See <a href="#">Patches to Previous Releases</a> section.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>● Enhancement</li> <li>● In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>

Enhancement	Description
3. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>
4. Match settlement to host buckets	<ul style="list-style-type: none"> <li>■ Fixed</li> <li>■ Corrected the Elavon settlement process to match the bucket types that Elavon returns.</li> </ul>
5. Jb900 error on invalid state code	<ul style="list-style-type: none"> <li>■ Fixed</li> <li>■ In the event an invalid state code is sent up from the lane, the default state code will be passed to the Elavon host. Previously if ServerEPS was unable to map the alpha state code provided by the lane to the numeric code for Elavon, an exception would occur.</li> </ul>

## Lynk

Enhancement	Description
1. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

## MPS (Fifth Third)

Enhancement	Description
1. Support balance for Debit and Credit	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ Added support for receiving balance information on Credit and Debit transactions from the MPS (5<sup>th</sup>/3<sup>rd</sup>) host. Balances received will be printed on the receipt.</li> <li>■ Debit balances are not printed to the customer receipts at this time because some issuers have incorrectly returned checking account balances and not just pre-paid card balances. See <a href="#">Patches to Previous Releases</a> section.</li> </ul>

Enhancement	Description
2. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
3. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

### Shazam

Enhancement	Description
1. Send Void, TOR & PreAuth Completion Transactions without PIN	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without PIN data.</li> </ul>
2. Send Void, TOR & PreAuth Completion Transactions without track data	<ul style="list-style-type: none"> <li>■ Enhancement</li> <li>■ In order to maintain compliance with card brand mandates, Voids, TORs and Completion Credit/Debit transactions are sent to the host without full track data.</li> </ul>

### Solupay/Echo

Enhancement	Description
1. -No Change to Host -	<ul style="list-style-type: none"> <li>■ ---</li> </ul>

## Patches to Previous Releases

Enhancement	Description
1. Do not print Debit account balances	<ul style="list-style-type: none"><li data-bbox="565 327 756 359">■ Enhancement</li><li data-bbox="565 390 1393 474">■ In order to assist customers whose checking account balances were being printed on receipts, balances will no longer be returned on any debit transaction until a permanent resolution is available.</li></ul>

# Section 2

## New Features

### Manual entry of PAN & CVV2 at PIN Pad

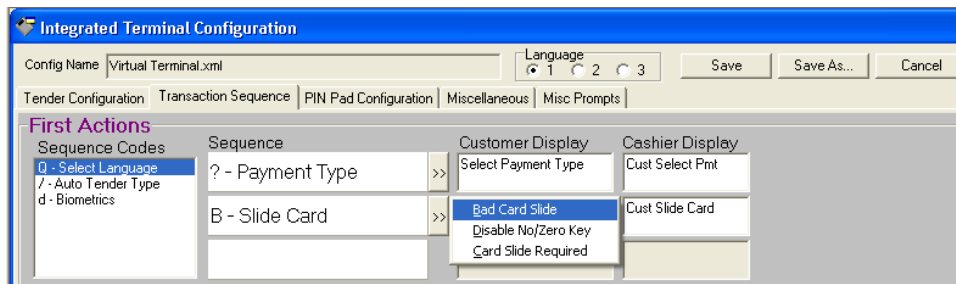
Manual entry of card numbers and card verification values can now be performed at the terminal instead of on the POS. This process can help remove the POS from the need to handle sensitive card data.

### Manual entry of PAN & CVV2 at PIN Pad Configuration

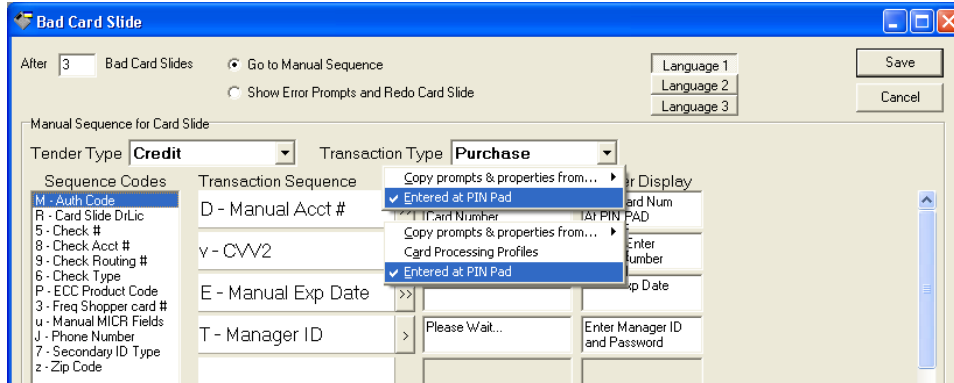
The option to request PAN and/or CVV2 from the PIN Pad terminal can be configured through the terminal configuration screen in WinEPS.

Follow the steps below to configure manual entry through the terminal.

1. In WinEPS, click the OpenEPS Lanes button, and select the terminal configuration you are using.
2. Select the Transaction Sequence Tab.
3. In the first action sequence, use the >> next to the B – Slide card TAC to select the Bad Card Slide option; this will bring you to the manual transaction sequence.



4. Use the Tender Type dropdown to select the tender.



5. The D - Manual Acct # TAC should already be part of the sequence; you may add the V - CVV2 TAC to the sequence by locating it in the Sequence Codes list and dragging it into the sequence, if desired.
6. Use the >> next to each of the TACs to display the menu selection. Click the “Entered at PIN Pad” option to turn this feature on.
7. The default cashier text for each of these TACs will be updated to reflect your change. You may modify the default text manually if desired.
8. Click Save to exit this screen, and then save your changes to the terminal configuration.

# New FSA Transactions Report

## FSA Transactions Log (TRN50)

This report displays a list of Flexible Spending Account (FSA) transactions processed during the selected time interval. The report features an amount breakdown for each transaction by the amount placed in each FSA bucket.

FSA Transactions		Test Company		Run by :						
		Date : 10/01/2010 to 10/12/2010								
Time	Transaction	Partial Account	Seq #	Approved Amount	FSA Amount	FSA Rx	FSA Medical	FSA Dental	FSA Vision	
<b>Store 405 - Batch 1420533</b>										
10/5/2010 1:51:15 PM	VS Purchase	466206...0005	010004	\$23.54	\$16.85	\$6.95	\$0.00	\$0.00	\$7.85	
10/5/2010 1:50:14 PM	VS Purchase	466206...0005	010003	\$35.48	\$15.48	\$5.24	\$0.00	\$0.00	\$2.35	
10/5/2010 1:21:25 PM	VS Purchase	466206...0005	060231	\$2.00	\$2.00	\$1.00	\$1.00	\$0.00	\$0.00	
10/5/2010 1:19:17 PM	VS Purchase	466206...0005	060227	\$6.00	\$6.00	\$3.00	\$3.00	\$0.00	\$0.00	
10/5/2010 1:18:54 PM	VS Return	466206...0005	060226	(\$5.00)	\$2.50	\$0.00	\$0.00	\$0.00	\$0.00	
10/5/2010 1:17:11 PM	VS Purchase	466206...0005	060223	\$1.00	\$1.00	\$0.00	\$0.00	\$0.00	\$1.00	
10/5/2010 1:16:44 PM	VS Purchase	466206...0005	060222	\$4.00	\$4.00	\$1.00	\$1.00	\$1.00	\$1.00	
<b>Store Transactions : 7</b>				<b>\$67.02</b>	<b>\$47.83</b>	<b>\$17.19</b>	<b>\$5.00</b>	<b>\$1.00</b>	<b>\$12.20</b>	
<b>All Transactions : 7</b>				<b>\$67.02</b>	<b>\$47.83</b>	<b>\$17.19</b>	<b>\$5.00</b>	<b>\$1.00</b>	<b>\$12.20</b>	

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This report features the following columns:

Report Headers	Description
Store & Batch	Store and Batch markers are used to separate the transactions. The reporting service uses a batch number of 0 to indicate the current batch. After a batch is settled, it will receive a new number.
Time	The time and date on which the transaction was run.
Transaction	The tender and transaction type. Tenders are represented by a 2 letter code, such as VS indicating Visa. These 2 digit codes are defined in the Card Processing Profile of the Configuration Management GUI for each store.  Default Card codes are listed in <a href="#">Appendix B</a> .
Partial Account #	The first 6 and last 4 digits of the card number. It is never possible to view the full card number in the report service.
Seq #	Sequence Number also known as the System Trace Audit Number (STAN). This is a semi-unique numeric ID that is generally printed on the receipt and is used to track a transaction during payment processing
Approved Amount	The dollar amount the transaction was approved for. Negative amounts will be displayed in parentheses ().
FSA Amount	The total FSA amount for the transaction.
FSA Rx	The portion of the transaction that was in the FSA prescription bucket.
FSA Medical	The portion of the transaction that was in the FSA medical bucket.
FSA Dental	The portion of the transaction that was in the FSA dental bucket.
FSA Vision	The portion of the transaction that was in the FSA vision bucket.

The summary section at the bottom displays the total number of transactions and the sums of each column, along with the date and time the report was run as well as the report number on the right hand side.

# New eWIC Variance Report

## eWIC Variance Report (TRN50)

This report displays a list of eWIC transactions processed during the selected time interval, and is primarily designed to aid merchants in tracking due to partially approved eWIC orders.

As part of eWIC processing rules, if an eWIC transaction is approved, the POS will receive a response indicating the approval along with the full amount of the request, even if the transaction was only partially approved. This means the POS system has no way to track when or if the transaction was actually approved for the full requested amount, or a lesser amount (generally based upon pre-agreed pricing schemes).

eWIC Variance Report		Test Company	Run by :		m - manual L - approved lesser amt e - ECC H - FSA		R - RFID s - Offline o - Override		
		Date : 10/01/2010 to 10/12/2010							
Time	Lane	Cashier	Transaction	Partial Account	Seq #	Transaction Amount	Approved Amount	Variance Amount	Flags
<b>Store 100 - Batch 1420904</b>									
10/7/2010 2:00:02 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091377	\$10.00	\$9.05	\$0.95	L
10/7/2010 2:11:57 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091381	\$20.00	\$18.10	\$1.90	L
10/7/2010 3:00:12 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091384	\$20.00	\$18.10	\$1.90	L
10/8/2010 12:00:55 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091411	\$2.00	\$1.55	\$0.45	
10/8/2010 12:10:16 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091417	\$20.00	\$19.05	\$0.95	L
10/8/2010 1:47:17 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091438	\$3.60	\$2.12	\$1.48	L
10/8/2010 2:20:29 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091445	\$3.60	\$2.12	\$1.48	L
10/8/2010 2:33:32 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091447	\$3.68	\$2.20	\$1.48	L
10/8/2010 2:36:02 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091449	\$4.00	\$2.52	\$1.48	L
10/8/2010 2:51:45 PM	09	1024	Ewic Pre Auth Comp	606370...3621	091451	\$12.00	\$10.52	\$1.48	L
<b>Store Transactions : 10</b>						<b>\$98.88</b>	<b>\$85.33</b>	<b>\$13.55</b>	
<b>All Transactions : 10</b>						<b>\$98.88</b>	<b>\$85.33</b>	<b>\$13.55</b>	

Page 1 of 1 Run 10/12/2010 4:22:37 PM ©2007 - 2010 MTXEPS, Inc. All Rights Reserved TRN60 (10243)

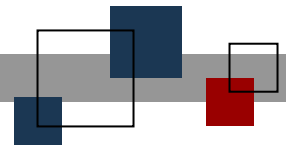
This report features the following columns:

Report Headers	Description
Store & Batch	Store and Batch markers are used to separate the transactions. The reporting service uses a batch number of 0 to indicate the current batch. After a batch is settled, it will receive a new number.
Time	The time and date on which the transaction was run.
Lane	The lane number for the lane that processed the transaction.
Cashier	The number of the cashier that processed the transaction.
Transaction	The tender and transaction type. This report will contain only eWIC transactions.
Partial Account #	The first 6 and last 4 digits of the card number. It is never possible to view the full card number in the report service.
Seq #	Sequence Number also known as the System Trace Audit Number (STAN). This is a semi-unique numeric ID that is generally printed on the receipt and is used to track a transaction during payment processing
Transaction Amount	The dollar amount of the transaction. Negative amounts will be displayed in parentheses ().
Approved Amount	The dollar amount the transaction was approved for. Negative amounts will be displayed in parentheses ().
Variance Amount	The difference between the requested Transaction Amount, and the actual Approved Amount. Even though this value is displayed as a positive amount, this value represents merchant losses.

Report Headers	Description
Flags	m = manually entered card number L = approved for lesser amount e = Electronic Check Conversion (ECC) H = FSA (Health) R = RFID (Radio Frequency Identification / Contact-less payment) s = Offline o = Override

The summary section at the bottom displays the total number of transactions and the sums of each column, along with the date and time the report was run as well as the report number on the right hand side.





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