

Introduction

Purpose

This manual provides setup and configuration information for Passport™ system stores that use Conexus Mobile Payment.

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Related Documents

Document Number	Title	GOLD SM Library
MDE-4954	Passport Start-up and Service Manual for the Cisco® Firewall Router (Q13708-08)	Passport
MDE-5382	Secure Zone Router (Acumera) Installation Instructions	Passport
MDE-5557	Honeywell® Xenon™ Scanner Setup/Service Instructions	POS Peripheral

Abbreviations and Acronyms

Term	Description
ASC	Authorized Service Contractor
CRIND®	Card Reader in Dispenser
CWS	Cashier Workstation
EDH	Enhanced Dispenser Hub
GOLD	Gilbarco Online Documentation
IP	Internet Protocol
IT	Information Technology
MNSP	Managed Network Service Provider
MWS	Manager Workstation
NACS	National Association of Convenience Stores
OCSP	Online Certificate Status Protocol
POS	Point of Sale
QR	Quick Response
RAS	Remote Access Service
SZR	Secure Zone Router
TAC	Technical Assistance Center
TCP	Transmission Control Protocol
TLS	Transport Layer Security
WAN	Wide Area Network

Before You Begin

IMPORTANT INFORMATION

Ensure that the below items are followed in preparation for successful Conexus Mobile Payment configuration and implementation.

Before configuring the Conexus Mobile Payment, ensure the following:

- Passport system must be running with V11.01D, Maintenance Pack 1 or later.
- For using Conexus V2.0, Passport system must be running on V12.02 or later.
- Ensure that you have the following site information available: **Merchant ID, Host IP Address, Port Number, Settlement Software Version, QR Prefix Code, and Schema Version.**
 - If the site is on P97 network, contact P97 Support Desk for required information at 800-961-9203 or support@P97.com.
 - If the site is on non-P97 network, contact the site's mobile network provider for the required information.
- IT staff/network provider need to ensure that the Host IP Address and Port are open on the site's firewall.
- Scanners at the workstations are programmed and capable of reading Quick Response (QR) codes. For Gilbarco® certified Honeywell Xenon 1900 programming instructions, refer to *MDE-5557 Honeywell® Xenon™ Scanner Setup/Service Instructions*.
- Site has a working connection to the mobile host. Excludes dial-up connections.

Technical Support

If you need to verify RAS connection or activate a Passport system feature, contact Gilbarco at 1-800-800-7498. If you need assistance with an upgrade or installation issue, contact Gilbarco at 1-800-743-7501. Be prepared to provide your Authorized Service Contractor (ASC) ID.

If the site is a P97 customer that needs support with the Mobile Payment phone application or Loyalty, contact the P97 Support Desk at 1-800-961-9203.

If you need assistance with EchoSatSM equipment, contact the EchoSat support desk at 800-393-3246, and select option 1.

Conexus Mobile Payment

The Passport system's Mobile Payment feature allows the customer to use a cell phone application to authorize and pay for fuel at the CRIND or inside the store instead of swiping or inserting a payment card or presenting a transponder device.

IMPORTANT INFORMATION
Mobile Payment requires close coordination between the mobile host that supports the Conexus standard, Gilbarco, and your store.

What is a User Validation Code for Mobile Payment?

A validation code is provided by the mobile application to confirm that the registered consumer is performing the operation. When inside the store, the user presents a **QR Code**. When fueling outside, the user may be prompted to enter the validation code depending on the application configuration. This schema is called **Above Site Payment**. In this mode, authorization is provided by the mobile host authorizer, which provides the validation code to the mobile application to be used during the transaction.

In terms of functionality and behavior, the most important variation is that **there will not be a payment card swipe when the consumer presents mobile tender**. All of these transactions are settled through the Mobile host, thus the reports for Mobile network are the same as in other networks.

The loyalty portion of the transaction remains working as usual for Conexus schema V1.0. From site and consumer's perspective, there is no substantial functional changes, except that the user may choose the loyalty program in the mobile application and not in the CRIND.

For Conexus schema V2.0, along with the loyalty program which is configured at the Manager Workstation (MWS), the customer can receive loyalty discounts awarded by the mobile payment application. This type of loyalty discount is referred to as **Above Site Loyalty**. Above site loyalty discounts can be applied on all dry stock items, postpay transactions and prepay transactions at the time payment is initiated. In case of outside transactions, it can be applied when payment is initiated as well as after fueling and before payment finalization.

The following table lists the components of Conexus 2.0 and specifies whether they are currently supported by Passport.

Conexus V2.0 Mobile Payment	
Use Case	Minimum Passport Version
Pay at Pump	
Payment-AboveSite	
Loyalty_AboveSite	V12.02 - Before and after fuel loyalty rewards are supported
Loyalty_SiteLevel	V12.02 - Before fuel loyalty rewards are supported; After fuel loyalty rewards are not supported.
Payment-SiteLevel	
Loyalty_AboveSite	Not Supported
Loyalty_SiteLevel	Not Supported
Inside PrePay	
MPAInit_AboveSite	V12.02
AboveSitePayment_LoyaltyAboveSite	V12.02 - Before fuel loyalty sent by MPPA is applied; After fuel loyalty rewards sent by MPPA are not applied.
AboveSitePayment_LoyaltySiteLevel	V12.02 - Before fuel loyalty rewards are supported; After fuel loyalty rewards are not supported.
SiteLevelPayment_LoyaltyAboveSite	Not Supported
MPAInit_SiteLevel	Not Supported
SiteSystemInit_AboveSite	Not Supported
Inside Purchase	
MPAInit_AboveSite	V12.02
MPAInit_SiteLevel	Not Supported
SiteSystemInit_AboveSite	Not Supported
Inside Payment	
SiteLevelPayment_LoyaltyAboveSite	Not Supported
AboveSitePayment_LoyaltyAboveSite	V12.02
AboveSitePayment_LoyaltySiteLevel	V12.02
Car Wash Outside	
AboveSitePayment	
Loyalty_AboveSite	Not Supported
Loyalty_SiteLevel	Not Supported
SiteLevelPayment	
Loyalty_AboveSite	Not Supported
Loyalty_SiteLevel	Not Supported

Router Configuration

For sites using an Acumera Secure Zone Router (SZR), call 1-800-743-7501 (and select Option 3, then Option 1) to provide the Conexus Destination IP and Port to Acumera for configuration of the SZR. Sites using a Managed Network Service Provider (MNSP) should contact their MNSP directly to have their router configured.

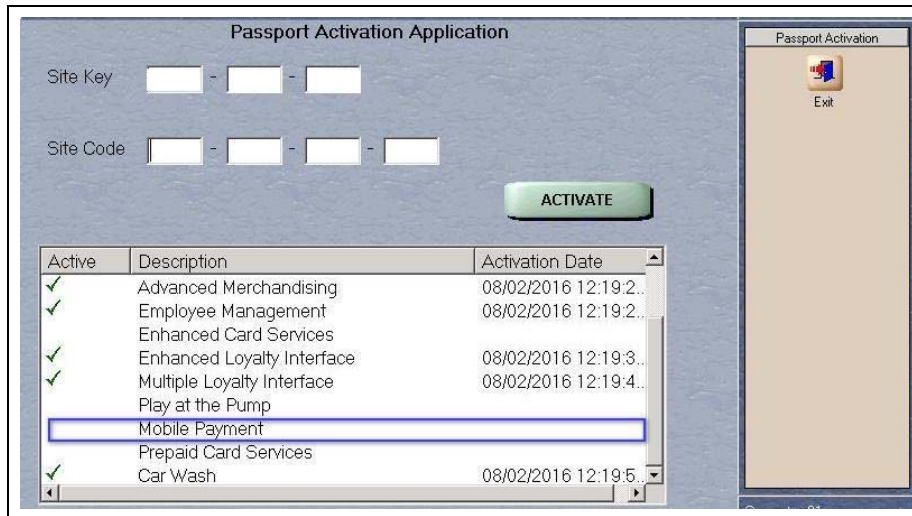
Feature Activation

After completing the on-boarding process with POS and the Payment Network, you must activate the Mobile Payment feature in **MWS > Feature Activation**. This requires an ASC on site to contact the Gilbarco Help Desk for a Site Code that includes the new Mobile Payment feature activation. After activating the Mobile Payment feature, the Passport system allows access to the Mobile Payment functionality.

You must sign off and sign on after feature activation to effectively have the feature working. Contact the Gilbarco POS Help Desk for more information.

Note: Feature Activation will activate both FD Mobile and Connexus Mobile.

Figure 1: Mobile Payment Feature Activation



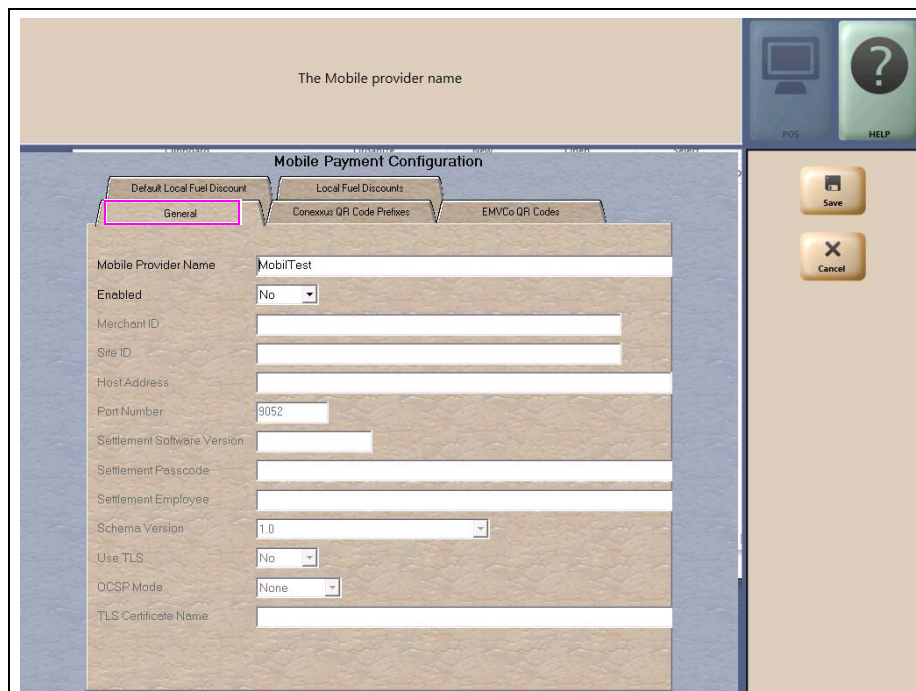
Mobile Payment Configuration in MWS

IMPORTANT INFORMATION
Much of the programming requires information from the Mobile Payment network provider. Contact mobile provider to get the configuration information.

To configure and enable Mobile Payment, proceed as follows:

- 1 From the MWS main screen, go to **Set Up > Network Menu > Mobile Payment > Mobile Payment Configuration**. The Mobile Payment Configuration screen opens.

Figure 2: Mobile Payment Configuration Screen - General Tab

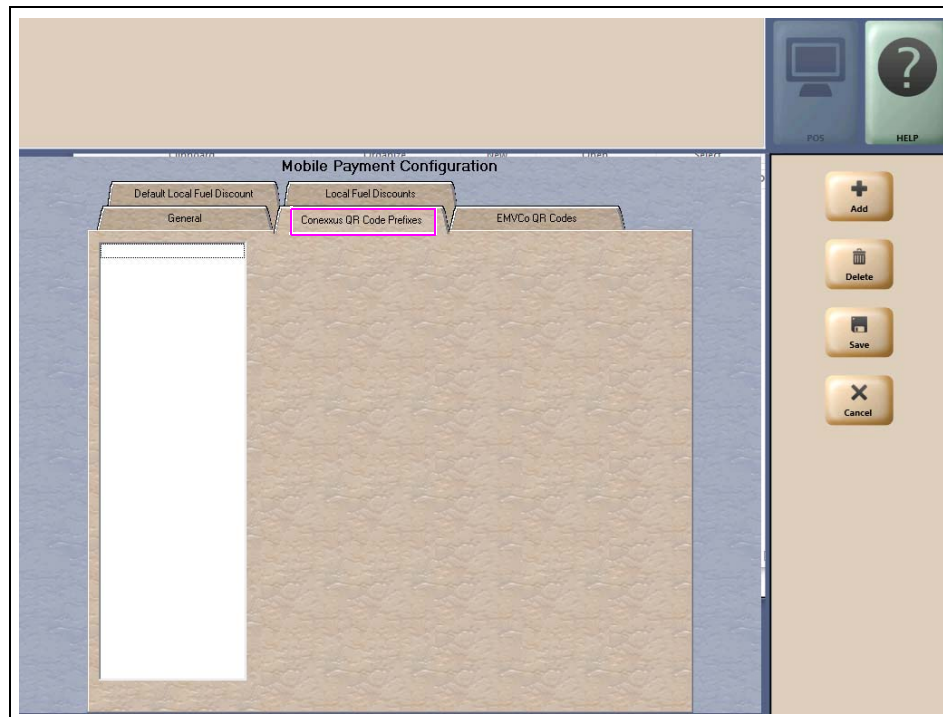


The following are the configuration fields and their description:

Field Name	Description
Mobile Provider Name	The name of the Mobile Payment Processing Application (Mobile Provider).
Enabled	A drop-down menu with choices of Yes and No. If set to Yes, the Passport system will communicate with the mobile payment network; default setting is No.
Merchant ID	Identifies the store to the mobile network. Maximum 15 characters; required field.
Site ID	Identifies the store to the mobile payment network; maximum 15 characters; required field.
Host Address	IP address for the Mobile Payment network. Maximum 16 characters; default setting is blank; required field. This value should be provided by Mobile Provider.
Port Number	Port address for the Mobile Payment network. Maximum 5 digits; default setting is blank; required field. This value should be provided by Mobile provider.

Field Name	Description
Settlement Software Version	Identifies the Mobile Payment device software version installed at the store. Used in settlement message; maximum 8 alphanumeric characters; default setting is 00000001; required field
Settlement Passcode	Password sent in the settlement message; maximum 40 alphanumeric characters; defaults to blank, optional field. The mobile payment vendor provides this value to the store.
Settlement Employee	Number sent in the settlement message; maximum 40 alphanumeric characters; defaults to blank, optional field. The mobile payment vendor provides this value to the store.
Schema Version	Defines the schema version to be used for Connexus Mobile.
Use TLS	Starting with V11.02 Service Pack F, this setting enables or disables Transport Layer Security (TLS). This provides enhanced communications security over the network. The connection to the host will be encrypted with TLS. Format: YES/NO. Default: YES
OCSP Mode	If TLS is used, allows to check the legitimacy on the TLS connection using Online Certificate Status Protocol (OCSP). This value is provided by Network Helpdesk. Possible values: <ul style="list-style-type: none"> • None (default) • Lenient • Strict
TLS Certificate Name	Used to validate the Server Certificate Common Name. This value must be provided by Network Helpdesk. Length: 35-char, defaults to blank.

Figure 3: Mobile Payment Configuration Screen - Connexus QR Code Prefixes

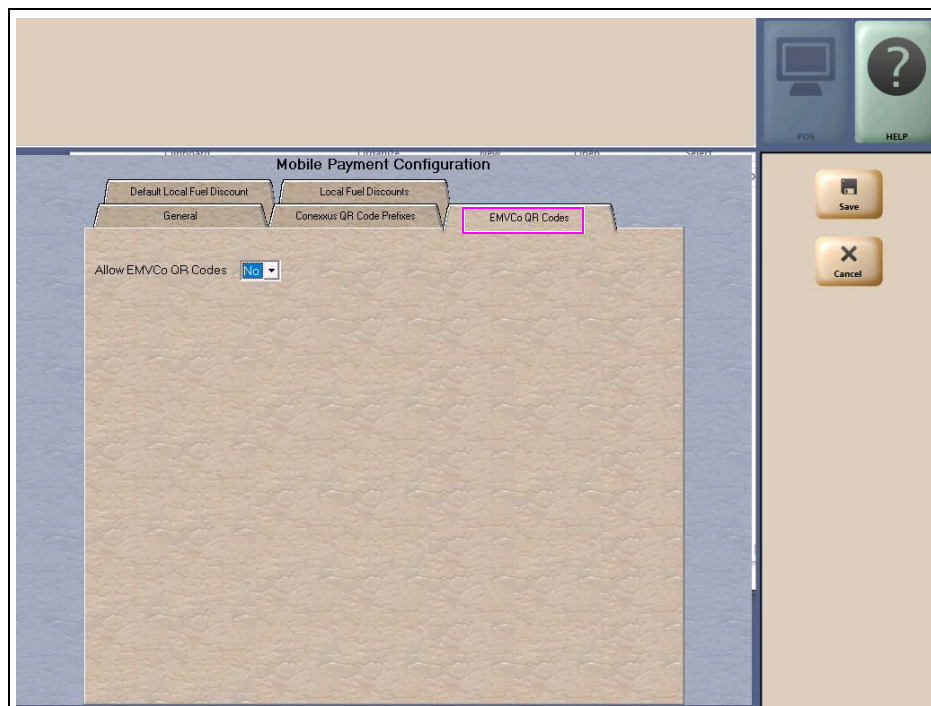


The QR Code is displayed in the customer’s mobile application and is scanned at the POS to use mobile for payment inside the store. The QR Code Prefixes are the first few characters of the QR Code and identify the mobile host.

The following table contains the Mobile Payment Configuration - Conexus QR Code Prefixes Tab fields and their descriptions:

Field Name	Description
List of QR Code Prefixes (left side)	List of created QR Prefixes
QR Code Prefix	This value allows a technician or a store manager to configure which QR code prefixes apply and will be expected by the mobile provider. Passport does not append a period (".") to the code entered on the screen. The QR code prefix must be completed with the "ABC." format (including the period) if the period will be embedded in the QR code. Get this code from the Mobile Payment Provider help desk. <i>Note: QR code prefix beginning with 'A', 'EO', 'F', or 'FF' and followed by a number, is not valid. For instance, the code 'A2F.' will result in an error, prompting user to change to a correct format (e.g. 'AAF').</i>

Figure 4: Mobile Payment Configuration Screen - EMVCo QR Codes



The following table shows the configuration field and its description:

Field Name	Description
Allow EMVCo QR Codes	Allows a tech or store manager to configure if the mobile host uses EMVCo QR codes for inside transactions. The merchant can configure both types (Conexus and EMVCo QR Codes) for recognizing mobile payment inside at the POS. Drop down with option Yes and No, defaults to No.

- 2 After completing all fields, select **Save** to save the configuration to the Passport system database and exit the configuration screen, or configure the Local Mobile Discounts.

Local Mobile Discounts Configuration in MWS

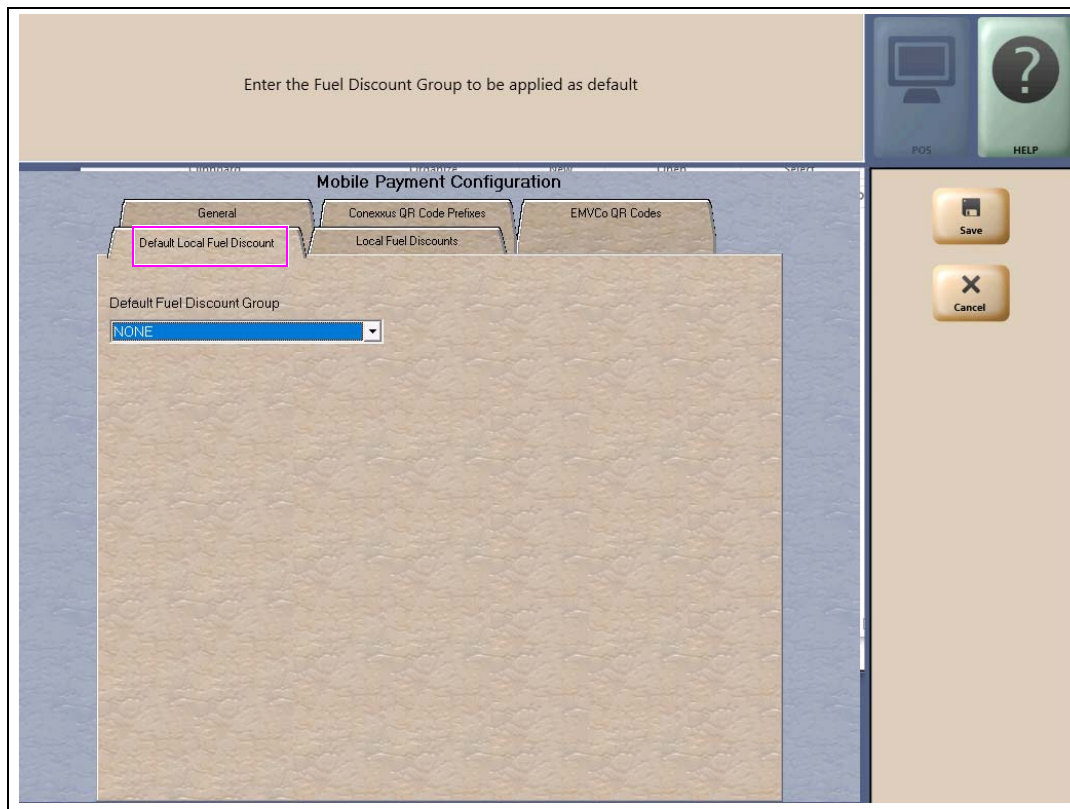
Beginning with V20.04, the Passport system supports Local Mobile Discounts, which allows the merchant to configure local discounts based on the underlying card associated with the mobile payment application.

The merchant can configure new Mobile Local Discount Codes and associate them with the existing Fuel Discount Groups (already created in **MWS > Fuel > Fuel Discount Configuration > Fuel Discount Groups**).

To configure the Mobile Local Discounts, proceed as follows:

- 1 Go to **MWS > Set Up > Network Menu > Mobile Payment > Mobile Payment Configuration**.
- 2 Go to **Default Local Fuel Discount** tab and set a default local fuel discount by linking a Fuel Discount Group from the drop-down menu. This default group will be used if the mobile provider informs an unknown discount code during the transaction.

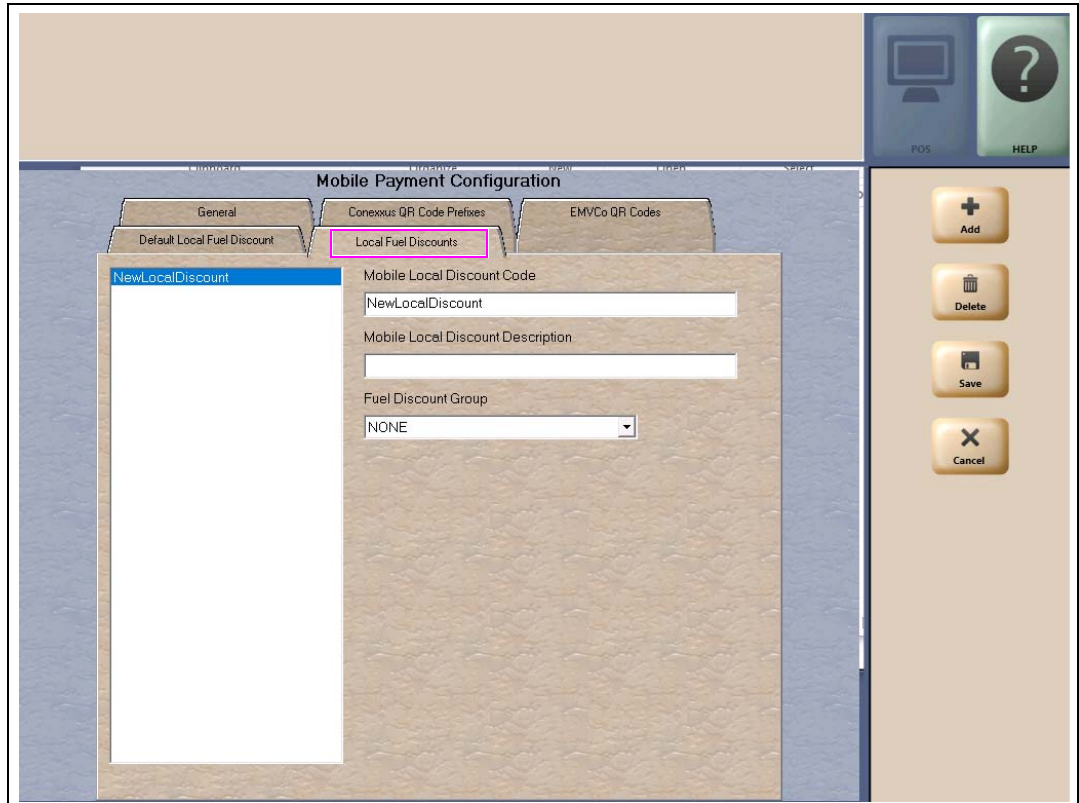
Figure 5: Local Fuel Discounts Configuration Screen - Default Local Fuel Discount Tab



Field Name	Description
Default Fuel Discount Group	Fuel discount group as defined in MWS > Fuel > Fuel Discount Configuration > Fuel Discount Groups that will be applied by default if the mobile payment provider does not inform or informs an unknown discount group.

- Go to **Local Fuel Discounts** tab to add and configure the Local Fuel Discounts by associating with the existing discount groups. The list on the left displays those discounts. The fields on the right give the details and allow the association through the Fuel Discount Group field.

Figure 6: Local Fuel Discounts Configuration Screen - Local Fuel Discounts Tab



Field Name	Description
Mobile Local Discount Code	Discount code used to associate the discount performed when paying with mobile application. These codes should be informed by the Mobile Payment Provider to the Merchant and it is recommended to ask for them in order to configure the latest valid definitions. Maximum length is of 20 alpha and digit characters, other allowed characters are: space character, "/", "+", "-", "_" <i>Note: If a Fuel Discount Group is deleted, the mobile local code will be automatically changed to "NONE". Duplicates are not allowed.</i>
Mobile Local Discount Description	The description entered in this field prints on customer's receipts and the POS receipt journal. The field allows a maximum length of 20 characters.
Fuel Discount Group	Fuel discount group linked to the selected mobile discount of the list.

- After updating the configuration, select **Save**.

Network Journal Report

Although not a specific Mobile Payment report, Passport includes Mobile Payment-initiated transactions in the Network Journal Report, detailing the “Conexus Mobile Network” value in the Journal NETWORK field.

This report shows network journal entries such as settlement and communication issues, allowing to search and pre-filter by different criteria, such as Date and Time, Exceptions, Source, Journal Type, and Journal Text. The merchant or store manager can use the Network Journal Report as an aid in searching for mobile-initiated transactions.

Figure 7: Mobile Payment Store and Forward Report

The screenshot displays the 'Network Journal Report' interface. It features several search and filter sections:

- Date/Time:** Includes a 'Current Date' field set to 10/26/2016 and a 'Select' section with date and time pickers. The selected range is from 10/25/2016 10:34:52 AM to 10/26/2016 10:34:28 PM.
- Exception Flag:** Radio buttons for 'Exception', 'Transaction', and 'All', with 'All' selected.
- Journal Text:** A text input field with a 'Clear' button.
- Source ID (Register \ CRIND \ Other):** Radio buttons for 'All' and 'Select', with a dropdown menu showing 'OtherSource', 'Register # 1', and 'Register # 2'.
- Journal Type:** Radio buttons for 'All' and 'Select', with a dropdown menu listing: 'Approved Transactions', 'Declined Transactions', 'Voided Transactions', 'Batch Settlement', 'Approved Refund', and 'EMV Transaction Details' (which is highlighted).
- Sort By:** A dropdown menu set to 'Timestamp' and radio buttons for 'Ascending' and 'Descending'.

On the right side, there is a vertical toolbar with icons for 'Print Preview', 'Print', and 'Exit'. At the bottom right, the user information 'Operator 91' and 'Store Store Name' is displayed.

Figure 8: Network Journal Report

DATE:	07/04/2017 4:14PM TO 07/05/2017 4:26PM				
SOURCE:	All				
JOURNAL TYPE:	All				
EXCEPTION:	All				
SEARCH STRING:					
SORT BY:	Time				

TIME	SOURCE	TYPE	EXC	NETWORK	JOURNAL TEXT
2017/07/04 16:14:05	Other	Network Download	No	HPS Dallas	Jul 04 2017 06:53:48 Requesting PDL Download
2017/07/04 16:14:26	Other	Network Download	No	HPS Dallas	Jul 04 2017 06:54:09 PDL Successful
2017/07/05 12:41:04	CRIND # 1	Financial Transactions	No	Conexus Mobile Network	**CRIND 1 ** 03:20 ** 07-05-2017 ** **** DAY 1 **** SEQUENCE 1802 **** INV# 0000000001 ACCT# XXXXXXXXXXXX4444 AUTH# FAKE_REF_NO TOTAL : \$4.77
2017/07/05 13:22:41	Reg # 1	Financial Transactions	No	Conexus Mobile Network	**Console 1 ** 04:02 ** 07-05-2017 ** **** DAY 1 **** SEQUENCE 1861 **** INV# 0000000002 ACCT# XXXXXXXXXXXX4444 AUTH# FAKE_REF_NO TOTAL : \$25.00

Mobile Payment Reports

Passport supports the following Mobile Payment reports with Conexus schema V1.0:

- Mobile Payment Configuration Report
- Mobile Payment Current Local Totals Summary Report
- Mobile Payment Current Transaction Detail Report
- Mobile Payment Transaction Detail Report
- Mobile Payment Current Unpaid Transactions Report
- Mobile Payment Unpaid Transactions Report
- Mobile Payment Store and Forward Report
- Mobile Payment Settlement Report
- Mobile Host Discount Summary Report

In addition to the reports listed above, Passport supports the following Mobile Payment reports with Conexus schema V2.0:

- Mobile Payment Above Site Loyalty Report
- Mobile Payment Above Site Loyalty Details Report

The following are descriptions and samples of these reports. All mobile transactions are settled through the Mobile host and will be included on its own reports and settlement. In specific loyalty reports, the transactions may be marked with an “M” to indicate they went through mobile authorizer.

Mobile Payment Configuration

The Mobile Pay Configuration Report contains the programming information found in **MWS > Set Up > Network Menu > Mobile Payment > Mobile Payment Configuration**.

Figure 9: Mobile Payment Configuration Report

Mobile Payment Configuration Report		
Merchant ID: 0146-2380		
Report created: 02/12/2019 4:32:24 AM		
General		
Enabled:	Yes	
Site ID:	P66	
Host Address:	10.28.82.11	
Port Number:	5000	
Use TLS:	False	
OCSP Mode:	None	
TLS Certificate Name:		
Settlement Software Version:	v99.99	
Settlement Passcode:		
Settlement Employee:		
Schema Version:	2.0	
Conexus QR Code Prefixes		
QR Code Prefix 1:	MCX.	
QR Code Prefix 2:	P97.	
EMVCo QR Codes		
Allow EMVCo QR Codes:	No	
Local Fuel Discounts		
Code	Description	Fuel Discount Group
DEFAULT	Default discount code for using mobile payment	Local Disc

Mobile Payment Current Local Totals Summary Report

The Mobile Payment Current Local Totals Summary Report contains information on Mobile Payment network completed, store and forward, and unpaid transactions, as well as informational notes regarding the store and forward and unpaid transactions. The report is for the current open Mobile Payment network day.

Figure 10: Mobile Payment Current Local Totals Summary Report

Mobile Payment Current Local Totals Summary Report		
Site ID: 54321		
Network day # 3 from 01/07/2014 1:08:51 PM to Current		
Report created: 1/8/2014 1:44:58 PM		
	Sales Count	Sales Amount
Complete Transactions	17	\$356.34
S&F Transactions Outstanding	1	\$24.15
Unpaid Transactions	3	\$49.17
Total	21	\$429.66
<p>*Any S&F transactions that were outstanding when Passport system closed the shift will be sent to the host when communication is restored. To retrieve information on the current pending transactions, print the Mobile Payment Store and Forward Report.</p> <p>*Unpaid transactions on this day period were not approved by the host and require manual processing. To retrieve information on these transactions, print the Mobile Payment Current Unpaid Transactions Report.</p>		

The following are the fields and their description:

Field Name	Description
Complete Transactions	Mobile Transactions already completed with the host.
S&F Transactions Outstanding	Mobile Transactions Passport system is waiting for communications with the Mobile Payment network to resume for completion.
Unpaid Transactions	Transactions the Mobile Payment network initiated but were declined at completion.
Total	Total number of all transactions the Mobile Payment network initiated through an unsolicited message.
Sales Count	Total number of transactions of a certain type (complete, S&F, unpaid, grand total).
Sales Amount	Total dollars for fuel sales and merchandise from a certain type of transaction.

Mobile Payment Current Transaction Detail Report

The Mobile Payment Current Transaction Detail Report contains information on transactions completed through the Mobile Payment network in the current open network day.

The S&F informational text prints at the bottom of the report only if transactions are in the Store and Forward queue at the time the Passport system generates the report. The unpaid information text prints at the bottom of the report only if unpaid transactions occurred during the report period.

Figure 11: Mobile Payment Current Transaction Detail Report

Mobile Payment Current Transaction Detail Report							
Site ID: 54321							
Network day # 3 from 01/07/2014 1:08:51 PM to Current							
Report created: 1/8/2014 1:45:33 PM							
Date/Time	Terminal #	Account #	Auth ID	Invoice #	Loyalty Program Loyalty ID	Loyalty Ref#	Transaction Total
01/07/2014 1:39:05 PM	Pump 1	444433*****1111	1369	2001	KRS *****1331		\$.85
01/07/2014 1:40:13 PM	Pump 1	444433*****1221	1370	2002	KRS *****1331		\$4.36
01/08/2014 8:38:29 AM	Pump 1	444433*****1331	1371	2003	KRS *****1331		\$1.58
01/08/2014 10:33:10 AM	Pump 1	518728*****0002	1389	2004	KRS *****1331		\$29.00
Transaction Summary Totals							
		Sales Count	Sales Amount				
Complete Transactions		17	\$356.34				
S&F Transactions Outstanding		1	\$24.15				
Unpaid Transactions		3	\$49.17				
Total		21	\$429.66				

The following are the fields and their description:

Field Name	Description
Details Section	
Date/Time	Date and time the transaction occurred.
Terminal #	Fueling position number at which the transaction occurred.
Account #	Masked account number the Mobile Payment network provides to Passport system for the transaction.
Auth ID	Authorization code the Mobile Payment network provides to Passport system for the transaction.
Invoice #	Invoice number the Mobile Payment network provides to Passport system for the transaction.
Loyalty Program	Loyalty Provider Name configured in the MWS.
Loyalty ID	Loyalty Account Number the Mobile Payment network provides to Passport system for the transaction.
Loyalty Ref#	Loyalty Sequence ID received from the Loyalty Host.
Transaction Total	Total dollar amount the customer is charged for this transaction.
Transaction Summary Totals Section	
Complete Transactions	Mobile Transactions already completed with the host.

Field Name	Description
S&F Transactions Outstanding	Mobile Transactions Passport system is waiting for communications with the Mobile Payment network to resume for completion.
Unpaid Transactions	Transactions the Mobile Payment network initiated but were declined at completion.
Total	Total number of all transactions the Mobile Payment network initiated through an unsolicited message.
Sales Count	Total number of transactions of a certain type (complete, S&F, unpaid, grand total).
Sales Amount	Total dollars for fuel sales and merchandise from a certain type of transaction.

Mobile Payment Transaction Detail Report

The Mobile Payment Transaction Detail Report contains information on transactions completed through the Mobile Payment network in a closed network day. This report consists of two sections: detail lines (two lines for each transaction) and summary totals.

The S&F informational text prints at the bottom of the report only if transactions were in the Store and Forward queue at network closing. The unpaid information text prints at the bottom of the report only if unpaid transactions occurred during the report period.

Figure 12: Mobile Payment Transaction Detail Report

Mobile Payment Transaction Detail Report							
Merchant ID: 0146-2380							
Network day # 5 from 06/16/2016 1:07:46 PM to 06/17/2016 5:17:42 AM							
Report created: 06/17/2016 5:24:45 AM							
Date/Time	Terminal #	Account #	Auth ID	Invoice #	Loyalty Program Loyalty ID	Loyalty Ref#	Transaction Total
06/17/2016 3:27:08 AM	Reg 1	55555XXXXX4444	FAKE_REF_NO	0000000054	Tank XXXXXXXXXXXX0000	LOYALTY TX # 248	\$5.01
06/17/2016 3:27:44 AM	Reg 1	55555XXXXX4444	FAKE_REF_NO	0000000055	Tank XXXXXXXXXXXX0000	LOYALTY TX # 249	\$8.03
06/17/2016 3:28:37 AM	Reg 1	55555XXXXX4444	FAKE_REF_NO	0000000056	Tank XXXXXXXXXXXX0000	LOYALTY TX # 250	\$1.02
06/17/2016 3:30:55 AM	Reg 1	55555XXXXX4444	FAKE_REF_NO	0000000057	Tank XXXXXXXXXXXX0000	LOYALTY TX # 251	\$6.02
Transaction Summary Totals							
				Sales Count	Sales Amount		
Complete Transactions				4	\$20.08		
S&F Transactions Outstanding				0	\$0.00		
Unpaid Transactions				0	\$0.00		
Total				4	\$20.08		

The following are the fields and their description:

Field Name	Description
Details Section	
Date/Time	Date and time the transaction occurred.
Terminal #	Fueling position number at which the transaction occurred.
Account #	Masked account number the Mobile Payment network provides to Passport system for the transaction.
Auth ID	Authorization code the Mobile Payment network provides to Passport system for the transaction.
Invoice #	Invoice number the Mobile Payment network provides to Passport system for the transaction.
Fuel Grade	Fuel Grade name and product code the customer selects for fueling.
Gallons Pumped	Total fuel volume pumped in this transaction.
Fuel Total	Total fuel sale dollar amount in this transaction.
Non-fuel Total	Total merchandise dollar amount in this transaction.
Sales Amount	Total dollar amount the customer is charged for this transaction.
Transaction Summary Totals Section	
Complete Transactions	Mobile Transactions already completed with the host.
S&F Transactions Outstanding	Mobile Transactions Passport system is waiting for communications with the Mobile Payment network to resume for completion.
Unpaid Transactions	Transactions the Mobile Payment network initiated but were declined at completion.
Total	Total number of all transactions the Mobile Payment network initiated through an unsolicited message.
Sales Count	Total number of transactions of a certain type (complete, S&F, unpaid, grand total).
Sales Amount	Total dollars for fuel sales and merchandise from a certain type of transaction.

Mobile Payment Current Unpaid Transactions Report

The Mobile Payment Current Unpaid Transactions Report contains information on transactions initiated through the Mobile Payment network but declined at completion during the current open network day. This report consists of two sections: detail lines (two lines for each transaction) and summary transaction totals.

Figure 13: Mobile Payment Current Unpaid Transactions Report

Mobile Payment Current Unpaid Transactions Report						
Site ID: 54321						
Network day # 3 from 01/07/2014 1:08:51 PM to Current						
Report created: 1/8/2014 1:46:10 PM						
Date/Time	Terminal #	Account #	Auth ID	Invoice #	Transaction Total	
01/07/2014 1:04:07 PM	1	444433*****1111	1367	2002	\$25.89	
01/07/2014 1:05:57 PM	1	444433*****1221	1368	2002	\$8.42	
01/08/2014 8:42:39 AM	1	444433*****1331	1374	2002	\$14.86	
Transaction Summary Totals						
		Sales Count	Sales Amount			
		3	\$49.17			

Mobile Payment Unpaid Transactions Report

The Mobile Pay Unpaid Transactions Report contains information on transactions initiated through the Mobile Pay network but declined at completion during a closed network day. This report consists of two sections: detail lines (two lines for each transaction) and summary transaction totals. The site needs to contact the Mobile provider about clearing these unpaid sales.

Figure 14: Mobile Payment Unpaid Transactions Report

Mobile Payment Unpaid Transactions Report						
Site ID: 54321						
Network day # 3 from 01/07/2014 1:08:51 PM to Current						
Report created: 1/8/2014 1:46:10 PM						
Date/Time	Terminal #	Account #	Auth ID	Invoice #	Transaction Total	
01/07/2014 1:04:07 PM	1	444433*****1111	1367	2002	\$25.89	
01/07/2014 1:05:57 PM	1	444433*****1221	1368	2002	\$8.42	
01/08/2014 8:42:39 AM	1	444433*****1331	1374	2002	\$14.86	
Transaction Summary Totals						
		Sales Count	Sales Amount			
		3	\$49.17			

Mobile Payment Store and Forward Report

The Mobile Payment Store and Forward Report contains information on Mobile Payment transactions that were authorized but not completed at the time of report generation.

Figure 15: Mobile Payment Store and Forward Report

Mobile Payment Store and Forward Report						
Site ID: 54321						
Report created: 1/7/2014 12:43:16 AM						
Date/Time	Terminal #	Account #	Auth ID	Invoice #	Transaction Total	
01/07/2014 12:40:20 PM	1	444433*****1111	1361	2002	\$50.00	
01/07/2014 1:05:57 PM	1	444433*****1221	1363	2002	\$50.00	
Store and Forward Transaction Summary Totals						
		Sales Count	Sales Amount			
		2	\$100.00			

Mobile Pay Settlement Report

The Mobile Payment Settlement Report contains information on the status and comparison of totals between the Passport system and Mobile Payment network when the network period closes.

Figure 16: Mobile Payment Settlement Report

Mobile Payment Settlement Report					
Merchant ID: 0146-2380					
Network day # 5 from 02/11/2019 5:47:06 AM to 02/12/2019 3:24:22 AM					
Report created: 02/12/2019 4:41:20 AM					
TRANSACTION TOTALS					
	Settlement Status	Local Count	Local Total	Host Count	Host Total
Completed Transactions	Balanced with host	21	\$140.40	66	\$140.40
Total S&F transactions outstanding		0	\$0.00		
Total unpaid transactions		0	\$0.00		
Host Totals					
Card Type		Count		Amount	
Amex		1		\$3.00	
Mastercard		20		\$122.00	
Local Totals					
Card Type		Count		Amount	
Amex		1		\$3.00	
Mastercard		20		\$122.00	

Mobile Payment Above Site Loyalty Discount Report

Note: This report is only available for schema V2.0.

The Mobile Payment Above Site Loyalty Discount Report is similar to Loyalty Discount Report. This report will contain items that have received a loyalty discount from the network host in a closed network day. These loyalty discounts are not configured on Passport site. This report consists of five sections:

- Discounts received before fueling (Pre-paid and Outside)
- Discounts received after fueling (Postpaid)
- Total discounts received in fuel transactions
- Discounts received on dry stock items
- Transaction level discounts

The information within the Fuel Grade column includes the fuel grade name and NACS product code as programmed in **MWS > Set Up > Forecourt > Forecourt Installation**.

Figure 17: Mobile Payment Above Site Loyalty Discount Report

Mobile Payment Above Site Loyalty Discount Report			
Site ID: 0146-2380			
Report created: 02/12/2019 5:11:29 AM			
Period From: 502/11/2019 5:47:06 AM to 02/12/2019 3:24:22 AM			
PPG Transaction Details (PPG was rolled back before dispensing)			
Grade	Count	Volume	Discount Amount
BLD1	1	1.061	\$ 0.21
BLD2	4	7.519	\$ 1.51
BLD2	3	2.337	\$ 0.46
BLD3	1	0.809	\$ 0.16
Total	9	11.726	\$ 2.34
Post Pay Fuel Ticket Transaction Details (Fuel was discounted after dispensing)			
Grade	Count	Volume	Discount Amount
BLD2	3	3.481	\$ 0.60
BLD3	1	0.864	\$ 0.20
Total	4	4.365	\$ 0.80
Grand Total Loyalty Fuel Discounts			
Grade	Count	Volume	Discount Amount
BLD1	1	1.061	\$ 0.21
BLD2	3	3.481	\$ 0.60
BLD2	4	7.519	\$ 1.51
BLD2	3	2.337	\$ 0.46
BLD3	1	0.864	\$ 0.20
BLD3	1	0.809	\$ 0.16
Total	13	16.091	\$ 3.14
Loyalty Merchandise Discounts			
Item	Reward Description	Count	Discount Amount
No Data Available			
Total			\$ 0.00
Loyalty Tender Discounts			
		Count	Discount Amount
Total		17	\$ 15.40

Mobile Payment Above Site Loyalty Transaction Detail Report

Note: This report is only available for schema V2.0.

The Mobile Payment Above Site Loyalty Transaction Detail Report is similar to Loyalty Transaction Detail Report. This report will contain items which have received a loyalty discount from the network host in the open network day. These loyalty discounts are not configured on Passport site. This report consists of five sections:

- Discounts received before fueling (Pre-paid and Outside)
- Discounts received after fueling (Postpaid)
- Total discounts received in fuel transactions
- Discounts received on dry stock items
- Transaction level discounts

The information within the Fuel Grade column includes the fuel grade name and NACS product code as programmed in **MWS > Set Up > Forecourt > Forecourt Installation**.

Figure 18: Mobile Payment Above Site Loyalty Transaction Detail Report

Mobile Payment Above Site Loyalty Transaction Detail Report									
Site ID: P66									
Report created: 06/27/2018 06:44:32 PM									
PERIOD from Jun 11 2018 2:11PM to CURRENT									
PPG Transaction Details (PPG was rolled back before dispensing)									
Date Time Invoice#	Terminal Program ID	Grade	Street PPG	Actual PPG	PPG Disc	Vol	Total Disc	Total Sale	
06/11/2018 14:11:45 000151	Reg 1 / Pump 2 P97DigitalOffers	PREMIUM	\$ 1.000	\$ 0.750	\$ 0.25	2.667	\$ 0.67	\$ 37.00*	
06/11/2018 15:29:14 000152	Pump 2 P97DigitalOffers	PREMIUM M5	\$ 1.000	\$ 0.750	\$ 0.25	2.226	\$ 0.56	\$ 6.17*	
06/12/2018 15:35:25 000153	Pump 2 P97DigitalOffers	PREMIUM M5	\$ 3.500	\$ 2.750	\$ 0.25	1.693	\$ 0.42	\$ 4.66*	
06/12/2018 15:39:05 000154	Reg 1 / Pump 2 P97DigitalOffers	PREMIUM M5	\$ 3.500	\$ 2.750	\$ 0.25	0.727	\$ 0.18	\$ 2.00*	
Totals							Fuel Vol 7.313	Disc \$ 1.83	Sales \$ 49.83
Post Pay Fuel Ticket Transaction Details (Fuel was discounted after dispensing)									
Date Time Invoice#	Terminal Program ID	Grade	Street PPG	Actual PPG	PPG Disc	Vol	Total Disc	Total Sale	
Totals							Fuel Vol 0	Disc \$ 0	Sales \$ 0
Merchandise Transaction Details									
Date Time Invoice#	Terminal Program ID	PLU/UPC	Original Price	Disc Price	Total Disc	Total Sale			
06/11/2018 14:11:45 000151	Reg 1 P97DigitalOffers	123	\$ 30.00	\$ 28.00	\$ 2.00	\$ 37.00*			
06/11/2018 15:29:14 000155	Reg 1 P97DigitalOffers	123	\$ 20.00	\$ 18.00	\$ 2.00	\$ 44.41*			
06/12/2018 15:35:25 000156	Reg 1 P97DigitalOffers	123	\$ 2.00	\$ 0.00	\$ 2.00	\$ 0.00			
06/12/2018 15:39:05 000154	Reg 1 P97DigitalOffers	123	\$ 4.00	\$ 2.00	\$ 2.00	\$ 2.00*			
Totals							Disc \$ 8	Sales \$ 83.41	
Loyalty Tender Discount Transaction Details									
Date Time Invoice#	Terminal Program ID	Invoice	Program ID	Total Disc	Total Sale				
06/11/2018 14:11:45 000151	Reg 1	000151	P97DigitalOffers	\$ 0.50	\$ 37.00*				
06/11/2018 14:34:46 000152	Reg 1	000155	P97DigitalOffers	\$ 0.50	\$ 44.41*				
06/11/2018 15:17:14 000153	Reg 1	000154	P97DigitalOffers	\$ 0.50	\$ 2.00*				
Totals					Disc \$ 1.5	Sales \$ 83.41			
Loyalty Transaction Summary Totals									
Disc. Count 11	Disc. Amount \$11.33	Sales Count 5	Sales Amount 83.41						

CRIND Functions

IMPORTANT INFORMATION

The following section describes the generic fueling sequence with mobile application. Site manager is to check with mobile application provider for updated and real interaction details.

IMPORTANT INFORMATION

Ensure that your loyalty card masks are set up in order to process the loyalty number that consumer may enter in his application.

Typical Fueling Sequence

For a typical fueling sequence, proceed as follows:

- 1 Consumer stops at the pump, selects **Pay for Fuel** in his mobile application.
- 2 The consumer then selects pump or scans the QR code on the pump, and optionally selects a car wash if receives a car wash prompt.

Depending on the specific mobile application being used the consumer may indicate which loyalty program to use.

- 3 If the mobile provider has this feature enabled, consumer enters the validation code displayed in the mobile application to confirm that he is at the pump being authorized. Consumer has three attempts to correctly input the validation code.
- 4 Consumer begins fueling. During the fueling process, Passport will send messages to mobile authorizer, so the mobile application informs the consumer about current status, final amount of sale, fuel grade, volume etc. If Conexus schema 2.0 is used, then above site discounts will be received by Passport via mobile authorization response in price adjustment tag. Multiple price adjustments can be received for the same item.

Above site discounts will be applied after fueling for outside transactions. In that case, discounts that have been applied before fueling will be informed to the host in the loyalty award request with “rewards applied” set as true. Any additional discounts will be returned in the loyalty award response with “rewards applied” set as false and sales tag set between 900-904. These rewards will be applied as transaction level discounts and reported in the finalize request as 913 sales tag.

When fueling ends, Passport may print a receipt according to customer preference. For more information, refer to [“Mobile Payment Customer Receipts”](#) on [page 26](#).

Note: Passport system does not allow Mobile Payment after manual (swiped) loyalty is validated or a payment card is swiped.

IMPORTANT INFORMATION

- Once the consumer lifts the handle on the dispenser, he cannot cancel the transaction from the mobile application.
- Once the pump is in use for a transaction, it cannot be reserved by another consumer.

Receipts

CRIND receipts clearly display data related to the mobile transaction. The word “MOBILE” precedes the authorization and sequence number in receipts of mobile transactions. For example, see [Figure 19](#).

Note: The mobile application has a setting that the user can configure, stating whether to have a printed receipt at the CRIND.

Figure 19: Mobile Payment Transaction Receipt with Conexus schema V2.0

```

Profile B Merchant N
GGNC2222222222
7300 West Friendly A
Greensboro , NC
27410
02/12/2019 644990004
07:03:21 PM

XXXXXXXXXXXX4444
Mobile
INVOICE 0000000002
AUTH FAKE_REF_NO

MOBILE
SITE ID: p66
MasterCard Credit
XXXXXXXXXXXX4444
AUTH: FAKE_REF_NO
INVOICE: 000000002

PUMP# 2
b1          4.296G
PRICE/GAL   $0.500
FUEL SALE   $ 2.15

DISCOUNTS BEFORE
FUELING
above si/GAL $-0.500

DISCOUNTS AFTER
FUELING
above site fuel rewa
$- 0.50

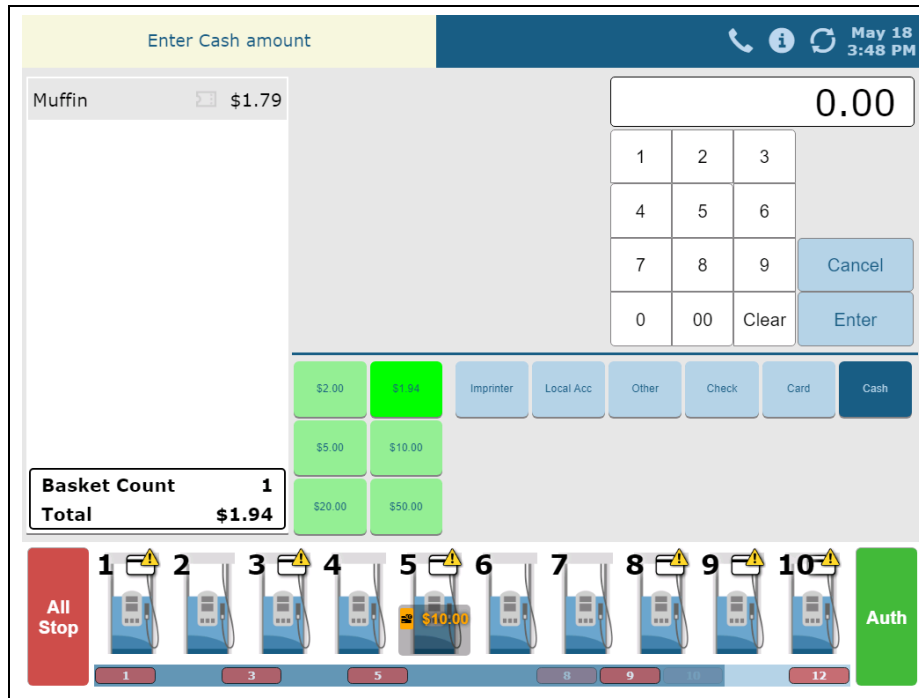
FUEL TOTAL   $ 1.65
-----
TOTAL = $ 1.65

drystock    $ 1.00
ticket      $ 0.65
CREDIT      $ 0.00
    
```

CWS Mobile Payment Transaction

The cashier performs a Mobile Payment sale by selecting **Tender > Card**. At this moment, the barcode scanner can scan the QR code from mobile application.

Figure 20: Cashier Workstation (CWS) - Card Button

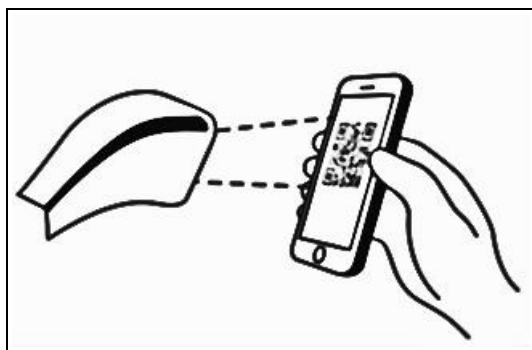


When the customer presents the QR code on his application, the cashier scans the code in order to identify the consumer for this transaction and the process continues as usual with the authorization.

Split Payment

There are no limitations regarding which form of payment is selected first by cashier, although split payments does not apply to fuel pre-pays.

Figure 21: Scanning QR Code on Mobile Application



Mobile Payment Customer Receipts

The mobile application has its own settings regarding receipt printing (consumer configures it) and is capable of receiving the customer receipt instead of POS or CRIND printing the receipt. The customer may receive a printed receipt from the POS or CRIND, an electronic receipt through the mobile application, or no receipt. CRIND will not prompt the customer to print receipts.

If the Mobile Payment transaction occurs at a dispenser for which Token Attendant is active, the receipt printing parameters in the **MWS > Fuel > Site Options > Attendant Options** tab under the Attendant Token Options section determine receipt printing behavior at the dispenser.

Note: Receipt reprints are available at the CWS.

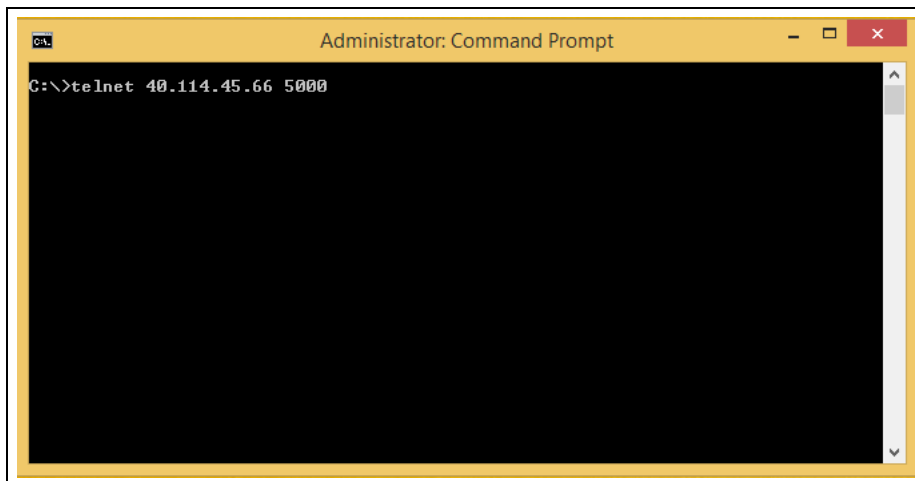
Troubleshooting

Verifying Router Connectivity

To verify router connectivity, proceed as follows:

- 1 Open the command prompt on the Enhanced Dispenser Hub (EDH).
- 2 From the command prompt, type **telnet XX.XX.XX.XX XX** (the host IP address and port number).
- 3 Press **Enter**.

Figure 22: Example of a Successful Telnet to IP Host and Port Number



A flashing cursor in the top-left part of the command prompt window shows that you have a socket connection.

If you fail to get a socket connection using an Acumera SZR:

- Ensure that the site's IT admin has allowed proper egress.
- Call Technical Assistance Center (TAC) to confirm the IP/Port has been programmed correctly and for any additional troubleshooting.

If you fail to get a socket connection using MNSP, contact the MNSP for assistance.

- 4 Close the command prompt window.

Mobile Payment Reference Sheet

Update the following fields with the required details and leave the sheet with the site personnel for future reference.

Merchant ID: _____

Host IP Address: _____

Port Number: _____

Settlement Software Version: _____

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