

Introduction

Purpose

This manual provides network-specific information for Passport[™] V12 systems at stores that use the National Bankcard Services (NBS[®]) network.

IMPORTANT INFORMATION

Upgrading to Passport V12 requires advance notice to the NBS network that the site is implementing EMV® outdoor functionality on Passport. Additionally, CENEX® branded locations will need to contact CHS to request an EchoSatSM PaySafe device prior to installation, and will need to get a copy of the "Control Scan Installer Configuration Guide Passport to NBS" which provides instruction to connect EchoSat PaySafe device to Passport. The ControlScan Helpdesk and Provisioning Department can be reached 24x7 at 1-800-393-ECHO (1-800-393-3246), or via email at eshelpdeskteam@controlscan.com.

In this version, EMV functionality affects inside and outside transactions. At least two full days before the scheduled upgrade, advise the merchant that he must contact the NBS network and explain that the site is implementing an upgrade of Passport to enable EMV. The merchant should advise the network representative of the date the upgrade is to take place and request that the network prepare to enable EMV with appropriate parameter downloads on that date. Ask the merchant to let you know if the network is unable or unwilling to make the necessary preparations for enabling EMV for the store.

On the day of the scheduled upgrade, ask the merchant or store manager if he notified the NBS network of the need to prepare to enable EMV network communication. If the merchant or store manager has not notified the NBS network of the need to enable EMV network communication, call the network on behalf of the merchant or store manager. Ask the network representative if he can expedite enabling EMV functionality for the store within four hours. If the network representative indicates he can prepare for enabling EMV on the network within the next four hours, continue with the upgrade. Otherwise, consult the merchant or store manager regarding the following options:

- Upgrade without enabling EMV and return later for the Parameter Download (PDL) to enable EMV.
- Arrange a later date for the upgrade, after the network has sufficient time to enable. EMV.

Intended Audience

The audience for this document includes merchants, cashiers, store managers, and Passportcertified Gilbarco® Authorized Service Contractors (ASCs).

Note: Leave this manual at the site for the manager's reference. This manual is available for download by Passport-certified ASC on Gilbarco Online Documentation (GOLDSM).

REVIEW AND FULLY UNDERSTAND THIS MANUAL BEFORE BEGINNING THE UPGRADE.

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Related Documents

Document Number	Title	GOLD Library
MDE-5025	Passport V9+ System Reference Manual	Passport
MDE-5266	What's New in Passport Version 11	Passport
MDE-5470	What's New in Passport Version 12	Passport
MDE-5514	Passport EDH (NBS) V10.32 Implementation Guide for PA-DSS V3.2	Passport

Abbreviations and Acronyms

Term	Description
AID	Application Identifier
ASC	Authorized Service Contractor
BOS	Back Office System
CAPK	Certificate Authority Public Keys
COM	Communication
CRIND®	Card Reader in Dispenser
CWS	Cashier Workstation
DSL	Digital Subscriber Line
EBT	Electronic Benefits Transfer
EDH	Enhanced Dispenser Hub
EMV	Europay [®] , MasterCard [®] , and Visa [®]
GOLD	Gilbarco Online Documentation
MSD	Most Significant Digit
MWS	Manager Workstation
NBS	National Bankcard Services
PA-DSS	Payment Application Data Security Standard
PCATS	Petroleum Convenience Alliance for Technology Standards
PDL	Parameter Download
PPU	Price per Unit
RAS	Remote Access Service
SSL	Secured Socket Layer
TLS	Transport Layer Security
VSAT	Very Small Aperture Terminal

Technical Support

If you are a store manager or merchant and you need assistance with Passport, call Gilbarco at 1-800-800-7498.

If you are an ASC and need to verify RAS connection or activate a Passport feature, call Gilbarco at 1-800-800-7498. If you need assistance with an upgrade or installation issue, call Gilbarco at 1-800-743-7501. Be prepared to provide your ASC ID.

To contact the NBS Help Desk, call 1-800-827-4634.

To contact the EchoSat Help Desk, call 1-800-393-3246.

Firewall Router

The RV042 Passport router is no longer supported in Passport V12 and higher. Sites must install either Gilbarco's Secure Zone Router (SZR) (powered by Acumera), or a Gilbarco certified Managed Network Service Provider (MNSP) solution. Contact the major oil rep for the location(s) for details on which providers are approved by the brand. Acumera hardware can be purchased from Gilbarco. Contact the brand approved MNSPs for details on ordering their networking equipment.

Network Data Retention

By default, the Passport system's network database saves all transaction details for 30 days, which means Passport purges network transaction details older than 30 days. This network setting can be changed by updating the "Days to Keep" field value (refer to table on page 8). The Days to Keep field can accept values between 30 and 90 days, inclusive.

What's New in Passport V12 at NBS Stores

Passport V12 Core Feature Enhancements

For information on any of the new core features, refer to MDE-5470 What's New in Passport Version 12.

V11 Network Feature Enhancements

The following is a high-level description of core Passport features introduced in V11. For more information on any of the new features, refer to *MDE-5266 What's New in Passport Version 11*.

EMV Outdoor

Passport V11.04 was the first release in the NBS to support EMV chip card compliance on the dispenser outside. The customer and store associate experience changes greatly with introduction of EMV. Customers using a credit or debit card with an embedded microchip must insert the card into the chip reader on the PIN Pad inside, or the card reader on the dispenser outside, and leave it inserted until the chip reader displays instructions to remove the card. Cashiers at the Cashier Workstation (CWS) and customers inside and at the dispenser, will notice new prompts related to EMV.

Enabling EMV outside at the dispenser requires Gilbarco FlexPay[™] II, FlexPay IV, or FlexPay IV Retrofit Kit for Wayne dispensers. Each of these Gilbarco platforms also require CRIND via TCP/IP.

EMV Support on Inside Transactions

Passport V11.01 was the first release in the USA to support EMV chip card compliance for inside transactions. The customer and store associate experience changes greatly with the EMV chip card feature. Customers using a credit or debit card with an embedded microchip must insert the card into the chip reader (on the PIN Pad inside) and leave it until the transaction completes and the chip reader displays instructions to remove the card. Cashiers at the CWS, as well as customers inside and at the dispenser, will notice new prompts related to EMV functions.

Enabling EMV inside may require new PIN Pads or new PIN Pad software. EMV capable PIN Pads are VeriFone® MX915, Ingenico® iSC250, and iPP320. In addition, the ASC will make simple PIN Pad configuration changes in **MWS** > **Set Up** > **Register** > **Register Set Up**. The ASC may also update network configuration parameters in **MWS** > **Set Up** > **Network** > **NBS** for EMV inside transactions.

Tender Keys in CWS

The CWS reflects a basic change beginning with V11.01. A new tender key, labeled **Card**, replaces the **Credit** and **Debit** tender keys. The cashier selects the **Card** tender key when the customer presents a credit, debit, or prepaid card for payment. This change is made because EMV chip cards can contain multiple EMV applications which support credit and debit payment. Passport does not know the specific payment application to use for the transaction until after the cashier begins tendering the transaction, the customer inserts an EMV chip card, and the PIN Pad communicates with the chip on the card. Passport determines the card type and Passport logs the transaction based on this determination. Credit and Debit tenders continue to appear on Accounting reports as before.

Assigning Product Codes

The Passport supports PCATS Payment System Product Codes for fuel and dry stock items. The Passport system transmits the product codes assigned to fuel and dry stock items when completing transactions with the network. It is important to assign the correct product code to fuel grades and dry stock items, as NBS reserves the right to reject transactions that are transmitted using incorrect product codes.

IMPORTANT INFORMATION

If fuel product codes are set up incorrectly, cards with grade restrictions will not be approved for fuel sales. Use care in assigning fuel grades in **MWS** > **Set Up** > **Forecourt** > **Forecourt Installation** to ensure correct product code assignment.

Site Configuration Programming

IMPORTANT INFORMATION

Install and run the Enhanced Dispenser Hub (EDH) before you start network configuration.

To establish communication with NBS, the Passport Site Configuration must be programmed correctly.

To program Site Configuration, proceed as follows:

1 From the Manager Workstation (MWS) main menu, select Set Up > Network Menu.

1:14 PM 09/20/2018	BARCO DER-ROOT	91-Area Manager	Store Name	() INFO	SIGN OFF	HELP
Frequently Used	-		-	-	~	
Period Close	Forecourt	Network Menu	Register	Store	Car Wash Maintenance	CRIND Merchandising
Accounting	*	٩,	\$			
Reports	Employee	Feature Activation	RFID Configuration			
Pricing						
Fuel						
Set Up						

Figure 1: MWS Main Menu

- 2 Select NBS and the following options will display:
 - Site Configuration
 - Card Configuration Download
 - EMV PDL Download
 - Fuel Discount Configuration

3 To program network configuration for the site, select **Site Configuration**. The NBS Network Site Parameters screen opens.

Cash Back Configuration	NBS Network Site Par	ameters		NBS Network Site Parame
Site Configuration	VSAT Configuration	Dial Configuration		Save
	A CONTRACTOR			
Page 1 Page 2 Page 3	Page 4			Cancel
Terminal Id				
GP1078444059501	VAL BE WAR B			
Site Name				2
Old Station		E States		
Street Address				
Street				
City	Stan Stan			
City	R. S. S. S. S.			
State				
St				
	a talina tali	and the second	and the second second	Operator 91

Figure 2: Site Configuration - Page 1 Tab

4 Select the Site Configuration - Page 1 tab.

The following table lists the fields on the Site Configuration - Page 1 tab:

Field	Description
Terminal ID	Uniquely identifies the site with the network. NBS provides this value.
Site Name	The station name for the store.
Street Address	The address of the store. This value is supplied by the store.
City	The city in which the store is located. This value is provided by the store.
State	The state in which the store is located. This value is provided by the store.

5 Select the Site Configuration - Page 2 tab.

08/09/2017	Help
NBS Network Site Parameters Cash Back Configuration EMV Parameters Site Configuration VSAT Configuration	NBS Network Site Parameters
/ Page 1 / Page 2 / Page 3 / Page 4 Zip Code	Cancel
123456 Connection type	
Ack time out	
Response time out 35000	
Days to Keep	Operator 91
	Store Store Name

The	following	table li	ists the	fields on	the Site	Configuration	- Page 2 1	tab:
	0					0	0	

Field	Description
ZIP Code	The ZIP code in which the store is located. This value is provided by the store.
Connection type	Indicates the method the store uses to connect to the NBS network. The available options are Very Small Aperture Terminal (VSAT) and Dial . Using EchoSat PaySafe device requires this field set to VSAT .
Ack time out (see Note 1)	Indicates the time Passport system waits for a response from the NBS network for an authorization request before cancelling the request. The Passport system attempts to send the authorization request up to three times before cancelling the request. The unit of measurement is milliseconds.
Response time out (see Note 1 and Note 2)	Indicates the time out after the Passport system receives an NBS network acknowledgement (no retries within the same COM session). The Passport system makes three attempts. The unit of measurement is milliseconds.
Days to Keep	Indicates the number of days worth of network transaction information to keep in the database. The accepted values are between 30 and 90 days, inclusive.

Notes: 1) This value comes from the NBS network and cannot be edited.

2) The ASC must validate these values with the NBS network to ensure that the store is using the correct values. The default value may not be correct.

6 After completing all fields on the Page 2 tab, select the **Page 3** tab.

Figure 4: Site Configuration - Page 3 Tab

Page 1 V Page 2 Page 3	Poge 4			×
Configuration Name				
ExoxGP1			2.2	
MV Configuration				8
debitemvconf		1		
MV Outdoor Configuration				
aldemvconf		100		
EMV Keys				
NBSPubKeysAllBrands		0		8
Print store copy of the receipt insid	de			
Van W				

The following table lists the fields on the Site Configuration - Page 3 tab:

Field	Description
Configuration Name	Indicates the name of the card configuration file the NBS network keeps for this store. This value is provided by the NBS network. V11.02 uses the configuration name CHSGP1 V11.04 uses the configuration name ECHSGP1 <i>Note: The ASC must validate these values with the NBS network to ensure that the store is using the correct values. The default value may not be correct.</i>
EMV Configuration	Indicates the name of the EMV configuration file the NBS network keeps for this store. This value is provided by the NBS network. This is an editable field. Default value: ' debitemvconf '. Note: The ASC must validate these values with the NBS network to ensure that the store is using the correct values. The default value may not be correct.
EMV Outdoor Configuration	Indicates the name of the EMV Outdoor configuration file the NBS network keeps for this store. This value is informed by the NBS network. This is an editable field. Default value is afdemvconf. Note: The ASC must validate the value with the NBS network to ensure that the store is using the correct value. The default value may not be correct.
EMV Keys	Indicates the name of the EMV Keys file the NBS network keeps for this store. This value is provided by the NBS network. This is an editable field. Default value: 'NBSPubKeysAllBrands'. Note: The ASC must validate these values with the NBS network to ensure that the store is using the correct values. The default value may not be correct.
Print store copy of the receipt inside	If set to No , Passport does not print a store copy of a receipt for a transaction completed with the NBS network. Defaults to Yes .

Г

7 After completing all fields on the Page 3 tab, select the **Page 4** tab.

Figure 5: Site Configuration - Page 4 Tab

Automatically print one copy of the receipt for the customer. May be superseded by network rules.	Pos HELP
NBS Network Site Parameters	
Cash Back Configuration EMV Parameters Site Configuration VSAT Configuration Dial Configuration	Save
/Page 1 / Page 2 / Page 3 Page 4	Cancel
Print customer copy of the receipt inside	
US debit preferred	
Yes	

The following table lists the fields on the Site Configuration - Page 4 tab

Field	Description
Print customer copy of the receipt inside	If set to No , Passport does not print a customer copy of a receipt for a transaction completed with the NBS network. Defaults to Yes .
US debit preferred	 If set to Yes, when the customer presents an EMV card that contains both US Common and International Debit Application Identifiers (AID), Passport displays or uses the US Common Debit AID. If set to No, when the customer presents an EMV card that contains both US Common and International AID, Passport displays or uses the International Debit AID. If the card contains only one debit AID, Passport displays or uses it irrespective of the setting for this field.

8 Refer to the Connection type field on the Site Configuration > Page 2 tab. If the Connection type field is set to Dial, then proceed to step 9 on page 12. Otherwise, select the VSAT Configuration tab.

D3:25 AM 07/31/2017	oles Transport Layer Security network	y. TLS provides enhanced	communications	POS Help
	NBS Network Site Pa	arameters		NBS Network Site Parameters
Cash Back Configuration	EMV Parameters			H
Site Configuration	VSAT Configuration	Dial Configuration		Save
Primary Host IP Address 6427.74.59 Primary Host IP Port 443 Secondary Host IP Address 63.131.152.38				Cancel
Secondary Host IP Port				
443				
Use TLS				
Yes				
				Operator 91 Store Store Name

Figure 6: VSAT Configuration Tab

The following table lists the fields on the VSAT Configuration tab:

Field	Description
Primary Host IP Address	The IP address of the primary NBS processor for this store.
Primary Host IP Port	The port number for the primary NBS processor for this store.
Secondary Host IP Address	The IP address for the secondary NBS processor for this store.
Secondary Host IP Port	The port number for the secondary NBS processor for this store.
Use TLS	Transport Layer Security (TLS) is the protocol that offers enhanced security through Secured Socket Layer (SSL) connection. <i>Note: For EMV-enabled sites, this field set to YES is mandatory</i> .

Note: The NBS network provides information for all fields on the VSAT Configuration tab.

After completing all fields on the VSAT Configuration tab, proceed to step 11 on page 14.

9 If the Connection type field on the Site Configuration > Page 2 tab is set to Dial, select the Dial Configuration > Page 1 tab.

NBS Network Site Parameters	NBS Network Site Parameters
Site Configuration VSAT Configuration Dial Configuration	Save
Page 1 Page 2	Cancel
Primary Phone Number	
18002222222	
Secondary Phone Number	
18003333333	
Modern COM Port	
Baud Rate	
2400	
Modem line discipline	
A - 8 data bits, 1 stop bit and no parity	Operator 91

Figure 7: Dial Configuration - Page 1 Tab

The followin	g table lis	sts the fie	lds on the	Dial Co	onfiguration	1 - Page 1	tab:
1110 10110	B			2101 0 0	Burner		

Field	Description	
Primary Phone Number	The phone number of the primary NBS processor used for this store.	
Secondary Phone Number	The phone number of the secondary NBS processor used for this store.	
Modem COM Port	The Serial Port used to connect to the modem. Default port is COM 7.	
Baud Rate	The baud rate used to communicate with the modem. Drop down menu field with available selections of: • 1200 • 2400 Default value is 2400.	
Modem line discipline	Options are: • A = 8 data bits, 1 stop bit, no parity • B = 7 data bits, 1 stop bit, even parity	

CAUTION

Digital Subscriber Line (DSL) Modem connects directly to the Passport router. Connection provided by Datawire and Abierto, is not supported. These devices must be connected to a Serial Port on the Passport EDH and configured using the Dial Configuration tab. Failure to follow this instruction may result in loss of client communications or other adverse connectivity issues. For information on the appropriate cabling and data communication settings, contact the manufacturer of your DSL device. Do not connect the Datawire/Abierto box to the Internet port on the Passport router. **10** After completing all fields on the Page 1 tab, select the Page 2 tab.

Figure 8: Dial Configuration - Page 2 Tab

NBS Network Site Parameters	NBS Network Site Parameters
Cash Back Configuration EMV Parameters	
Site Configuration VSAT Configuration Dial Configuration	Save
Page 1 Page 2	Cancel
Modem Init String	
AT&F0V0E0&K0&Q6%CX4S37=5&Z0	
Modem Registers	
ATS7=20S10=2S11=50S25=0&W0	
Dial Header	
Dial Trailer	
	Operator 91
	Store Store Name

The following table lists the fields on the Dial Configuration - Page 2 tab:

Field	Description
Modem Init String	The modem initialization string that is sent to the modem each time a link is established. Note: The modem string shown for initialization in Figure 8 is for the MultiTech® 56K V.90 modem device supplied with the Passport system. Gilbarco does not support strings for any other modem.
Modem Registers	The register string used to specify other modem commands after the initialization string. Note: The modem string shown for initialization in Figure 8 is for the MultiTech 56K V.90 modem device supplied with the Passport system. Gilbarco does not support strings for any other modem.
Dial Header	Information that must be dialed before the phone number, which may include a code used to access an outside line.
Dial Trailer	Any information that must be dialed after the phone number.

11 Select the **Cash Back Configuration** tab.

Figure 9: Cash Back Configuration 1	Tab
-------------------------------------	-----

NBS Network Site Parameters	NBS Network Site Parameters
Site Configuration VSAT Configuration Dial Configuration	H
Cash Back Configuration EMV Parameters	Save
Cash Back Fee	Cancel
0.00	
and the second second second	
and the second se	
	Operator 91

The following table lists the fields on the Cash Back Configuration tab:

Field	Description
Cash Back Fee	Fee that the store charges the customer for Cash Back in a transaction. Default is \$0.00.

12 After completing the Cash Back Configuration tab, select the EMV Parameters tab.



Figure 10: EMV Parameters Tab

For each AID listed, select whether to enable QuickChip. Select "YES" or "NO" in Enable QuickChip drop-down list.

The following table lists the fields on the EMV Parameters tab:

Field	Description
Enable QuickChip	If set to Yes , Passport obtains all necessary EMV data from the chip card before the transaction starts by notifying the chip card that the network is unavailable. As a result, the PIN Pad prompts the customer to remove the chip card a few seconds before completing the transaction with the chip card issuer.
	If set to No , Passport performs EMV transactions without the shortcut of QuickChip processing. The PIN Pad prompts the customer to remove the chip card after completing the transaction with the chip card issuer.
	Defaults to No.

13 After completing the actions on the **EMV Parameters** tab, select **Save** to save all programming and exit the **Network Site Configuration**.

Accepting Magnetic Stripe Contactless Inside

Passport can be configured to accept tap for mag stripe contactless cards on VeriFone and Ingenico PIN Pads. To allow contactless mag stripe taps at the PIN Pad, proceed as follows:

- 1 Go to MWS > Set Up > Register > Register Set Up.
- 2 Select the register where the PIN Pad is located.
- 3 In the Device Configuration section, select the check box next to Contactless.
- 4 Select Save to save the configuration and exit.

Figure 11: Register Set Up -Device Configuration

	Re	gister 1		Register Set Up
General Store Number Register Number	1	Machine Name	POSSERVER01	Save
Register Group				Cancel
POSGroup1				
Asset Information				
Asset ID		Model Number		
		Serial Number		
Device Configurat	ion			
Line Display	POS Line Display	•	Electronic Signature	
PIN Pad Type	Verifone MX 915	•	Forward Outside Trans	
Connection	TCP/IP	•	Contactless	
				0

IMPORTANT INFORMATION

The NBS network does not yet support Contactless EMV cards. The Contactless field only affects magnetic stripe contactless tap.

If the customer attempts to present a contactless EMV card, Passport will try to process the card as a magstripe contactless. If not successful, Passport declines the transaction with the error message, "**Contactless not allowed**" on the CWS yellow bar and a "**Declined**" message in the PIN Pad.

A site cannot accept electronic forms of payment without successfully receiving a Card Configuration Table from the NBS network.



Figure 12: CWS Message when Tapping a Contactless EMV Card

Requesting Card Configuration Download

To request a parameter download of all cards that can be authorized at a store, proceed as follows:

- 1 From the NBS Network menu screen, select Card Configuration Download.
- 2 The Passport system prompts, "Do you want to continue with Parameter Download?"

Figure 13: Card Configuration Download Screen

Do you want t	o continue with Parameter Download?		
06/25/2013	Yes	No	POS Help
	Stand State		Parameter Download
	the second	A A	

- If you select No, the system returns to the Network menu screen.
- If you select Yes, the system requests a Card Configuration Table from the NBS network.

3 After the Passport system begins acquiring a Card Configuration Table, it provides information on the success of the download in the MWS message bar.



Figure 14: Requesting Card Configuration Table

4 The Passport system connects to the NBS network and requests the download in the background.

If a Card Configuration Table download request fails, the message bar on the CWS displays an error message indicating the cause of failure. During a download request, the CWS Network Status icon displays a green NW LOW indicator. After a successful download, the NW LOW indicator disappears. In case of failure, the CWS displays NW MED. Network status displays for one minute after a download. Clicking the NW MED indicator causes the Network Status screen to open with the cause for the failure. If the download request fails, the Parameter Download software service stops and the Passport system continues to use any pre-existing Card Configuration tables.

After the Passport system successfully obtains a parameter download from the NBS network, the Passport system validates the file. If validation fails, the Passport system continues to use any pre-existing Card Configuration tables. In this case, the CWS Network Status indicator displays NW MED and the Network Status screen displays an error message indicating the cause for failure.

When the Card Configuration Download is complete, the Passport system displays a series of messages on the CWS:

- Card Configuration Download Requested
- Card Configuration Request Successful
- New Card Configuration Activated

Requesting EMV PDL Download

To request a parameter download of all EMV parameters that can be authorized at this store, proceed as follows:

1 From the NBS Network Menu screen, select EMV PDL Download.

The Passport system prompts, "Do you want to continue with Parameter Download?"

Figure 15: EMV Parameter Download Screen



- If you select No, the system returns to the Network menu screen.
- If you select Yes, the system requests the EMV Parameter Table from the NBS network.
- **2** The Passport system connects to the NBS network and requests the download in the background.

After the Passport system has started to acquire an EMV Parameter Table, the Passport system provides information on successful download in the MWS message bar. The message "Requesting EMV configuration. Please see network journal for results" is displayed during the process. Passport will retry 5 times in every 5 minutes if any communication issue is encountered.

The NBS Network supports processing Electronic Benefits Transfer (EBT) Food and EBT Cash. Call the NBS Helpdesk at 1-800-827-4634 and provide the site's FNS number and a copy of the certificate for EBT to be enabled on the PDL.

EBT Food and EBT Cash Tenders

EBT Food and EBT Cash tenders have been added to Tender Maintenance. The tender options for EBT Cash and EBT Food have been preconfigured, with the exception of the "NACS Tender code" and "Allow safe drops". These may be configured as needed by the site. The tender group assigned to EBT Cash and EBT food should not be changed. If the site had previously defined EBT Cash tender in an earlier version with the description EBT Cash, the new tender will be named EBT Cash*. You can choose to deactivate the old EBT Cash tender and use the new EBT Tender.

Inform Back Office partners of EBT Cash and EBT Food tender configuration. Ensure your tender mapping with the back office is correct for reporting and tender restrictions. Go to **Reports > Back Office Reports** and execute the Tender Code Report to view the Passport tender code and the NACS tender code.

EBT Card Transactions

The EBT Food tender applies food stamp restrictions to the items in the transaction as well as forgives tax for the items that qualify for food stamps.

Passport allows EBT transactions inside only. EBT cards are not accepted outside at the dispenser. EBT Cash is accepted for all inside transactions including prepay fuel transactions. EBT Cash and EBT Food transactions do not require customer PIN entry.

Passport also allows cash back for EBT Cash and applies a debit cash back transaction fee (similar to Debit transactions), based on programming in Network Site Configuration. If the customer requests cash back with EBT Cash tender, Passport does not allow split tender. The EBT Cash card must cover the entire amount of the transaction, including cash back. If Passport receives partial approval for EBT Cash in which the customer requested cash back, the CWS prompts the cashier to perform a manual refund of the partially approved EBT Cash tender. The manual refund is necessary because of the PIN entry requirement on the sale transaction.

For split tender with EBT Food, the customer must present the EBT Food card as first payment.

Balance Inquiry

The cashier can use the Balance Inquiry button that appears on the Network Status screen to obtain the remaining balance on cash cards as well as EBT cards. After the cashier swipes the card, if Passport cannot identify the card as a cash card, Passport prompts the cashier if the card is an EBT Cash card. If the cashier responds with Yes, Passport makes an EBT Cash card balance request; otherwise, Passport makes an EBT Food card balance inquiry.

Network Reports

In the default installation, no network reports are configured to print at Shift or Store Close. Review the reports and select those appropriate for your store's operation. For information about the overall report setup, and to set the reports that must be printed during Shift or Store Close, refer to *MDE-5025 Passport V9+ System Reference Manual*.

Report Name	Shift Close	Store Close	Current	Secure
NBS Card Configuration Report	-	Х	Х	-
NBS Card Conflict Report	-	-	Х	-
NBS EMV Chip Certificate Authority Public Keys (CAPK) Report	-	-	х	-
NBS EMV Chip Configuration Report	-	-	Х	-
NBS EMV/Chip Fallback report	-		Х	-
NBS Site Configuration Report	-	-	Х	-
NBS Prepaid/Loyalty Card Activity Report	-	Х	Х	-
NBS POS Transaction Statistics Report	-	Х	Х	-
NBS Sales Report by Day	-	Х	Х	-
NBS Sales Report by Shift	Х	Х	Х	-
NBS Settlement Report	-	Х	Х	-
NBS Unpaid Transactions Report	-	Х	Х	-
Site Level Card Based Fuel Discounts	-	-	Х	-

The following table lists all the NBS network reports:

IMPORTANT INFORMATION

Secure Reports contain sensitive customer data such as card account number and expiration date. These reports can be printed on demand only and are password protected. For more information on Secure Reports, refer to *MDE-5514 Passport EDH* (*NBS*) V10.32 Implementation Guide for PA-DSS V3.2.

For the NBS network, a Store Close must be performed periodically to close out the network batch. A Shift Close does not perform this function. If a network batch is not closed periodically, payment from the network may become slow and the Passport system may stop accepting network sales.

From the Reports menu, select Network. The Network Reports menu screen opens.

The Network Reports menu contains Auxiliary Network and NBS network reports. The following section describes each of the NBS network reports available.

NBS Card Configuration Report

The NBS Card Configuration Report provides information contained within the parameter table download. Information printed on this report applies only to the cards that are accepted for payment by the NBS network.

Figure 16: NBS Card Configuration Report

Version: 1		
Card:	American Express	
NBS Card Co	de: BC	
PAN Range H	igh: 349999	
PAN Range L	ow: 340000	
PAN Length:	15	
Mask Account	t: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
PAN Range H	igh: 379999	
PAN Range L	ow: 370000	
PAN Length:	15	
Mask Account	t: XXXXXXXXXXXXXX	
Track to send	to the Host: 2 1	
Expiration dat	e format. YYMM	
Expiration dat	e Check: Yes	
Card: I	Diners	
NBS Card Co	de: BC	
PAN Range H	igh: 309999	
PAN Range L	ow: 300000	
PAN Length:	14	
Mask Account	t: XXXXXXXXXXX	
PAN Range H	igh: 369999	

NBS Card Conflict Report

The Card Conflict Report provides the number of conflict instances within the current period. Conflicts can occur when a card configured for one network is processed by another network.

Figure 17: NBS Card Conflict Report

	Card Conflicts PERIOD FROM 6/21/20	13 6:04:56 AM TO 6/25/2013 8:59:
Issuer Name -	Issuer Name -	Conflict Instances
Processing Network	Configured Network	(current period)
MasterCard	Cenex	
Cenex	Mannatec	
MasterCard	Cenex	
Cenex	Mannatec	

NBS EMV/Chip CAPK Report

This report is used to check and validate the CAPK that are loaded into Passport and/or EMV-capable PIN Pad for all card brands/schemes that are supported by Passport and/or EMV-capable PIN Pad.

Figure 18: NBS EMV/Chip CAPK Report

	Created: Nov 24,2016 13:1
	Old Station
	Address
	City - ST - 3215444
	111111111111
Card Brand Name:	VISA
RID:	A00000003
Index:	92
Modulus:	996AF56F569187D09293C14810450ED8EE3357397B18A2458EFAA92DA3B6DF6514EC060195318FD43BE9B8F0CC60 9E3F844057CBDDF8BDA191BB64473BC8DC9A730DB8F6B4EDE3924186FFD9B8C7735789C23A36BA0B8AF65372B B57EA5D89E7D14E9C7B6B557460F10885DA16AC923F15AF3758F0F03EBD3C5C2C949CBA306DB44E6A2C076C5F 67E281D7EF56785DC4D75945E491F01918800A9E2DC66F60080566CE0DAF8D17EAD46AD8E30A247C9F
Exponent:	03
Expiration Date:	2017-12-31
Card Brand Name:	VISA
RID:	A00000003
Index:	94
Modulus:	ACD2B12302EE644F3F835ABD1FC7A6F62CCE48FFEC622AA8EF062BEF6FB8BA8BC68BBF6AB5870EED579BC39' 3E121303D34841A796D6DCBC41DBF9E52C4609795C0CCF7EE86FA1D5CB641071ED2C51D2202F63F1156C58A92D 38BC60BDF424E1776E2BC9648078A03B36FB554375FC53D57C73F5160EA59F3AFC5398EC7B67758D65C9BFF7828 B6B82D4BE124A416AB7301914311EA462C19F771F31B3B57336000DFF732D3B83DE07052D730354D297BEC72871I CCF0E193F171ABA27EE464C6A97609043D59BDABB2A27EB71CEEBDAFA1176046478FD62FEC452D5CA3932965
	0AA3F41927ADFE434A2DF2AE3054F8840657A26E0FC617
Exponent:	0AA3F41927ADFE434A2DF2AE3054F8840657A26E0FC617 03

NBS EMV/Chip Configuration Report

This report must identify all the EMV parameters required to be configured in Passport and/or EMV-enabled PIN Pad for all card brands/schemes that are supported by Passport and/or EMV-enabled PIN Pads.

There are two well-differentiated sub-sections:

- Site-level configuration parameters (at the beginning of the report)
- AID with its parameters (displaying contact and contactless parameters)

Figure 19: NBS EMV/Chip Configuration Report

	Ci 1	Old Station Address Sty - ST - 3215444	- Create	d: Nov 24,2016 13:16
TID: 1 Aq TID: 2 Aq	oplication Ver / EMV Kernel Ver oplication Ver / EMV Kernel Ver	1904 0467	EMV Enabled EMV Enabled	True True
Site Configuration				
Terminal Type:	22			
Terminal Country Code:	840			
Transaction Currency Code:	840			
Transaction Currency Exp:	2			
Transaction Ref Currency Code:	840			
Transaction Ref Currency Exp:	2			
US Common Debit Preferred:	True			
Brand Not Present Fallback Enabl Fallback Enabled:	ed True True			
AUD: 4000000250		en Condit		
Alls: A0000002501	Am	ex credit		
Aconocial Terminal Capabilities:	6000	800001		
RES May Turnet Decentered	0001			
BRS Target Percentage	0			
BRS Threshold:	0			
Default DDOL:	9137	04		
Default TDOL:				
Fallback Enabled	True			
AID Type:	0.4			
AN Expiry Validation Epabled	True			
Partial Selection Enabled:	True			
IN Entry Bypass Enabled:	True			
loor Limit:	0			
FAC Default:	00000	00000		
FAC Denial:	00000	00000		
FAC Online:	00000	00000		
Ferminal Capabilities:	EOFD	C8		
Contactless Settings				
Application Version:	0001			
Jefault TDOL:	9F020	0095055F2A029A039C019F3704		
"AN Expiry Validation Enabled:	True			
. VM LIIIII.	10			
Fransaction Limit:	15			
Terminal Floor Limit:	12			
AU Default:	DC50	840000		
AU Denial:	C400	00000		
FAC Online:	00000	1000003		
Ferminal Transaction Qualifiers:	B620	4000		
Ferminal Risk Managment TTQ:	B600	4000		
Below Term Capabilities:	E028	08		
Above Term Capabilities:	E028	28		
dSR Contactless CVM Required I QuickChip:	Limit: 0 Disab	led		
AID: A0000006200620	DN/	A Debit		
Additional Terminal Capabilities :	60008	i0B001		
and making Transform	0000			

NBS EMV/Chip Fallback Report

This report provides detailed information on EMV chip fallback transaction processing considering both the attendant and PIN Pad (chip reader) fallback statistics. This is useful in identifying the source of fallback transactions and helps remediate the cause, whether it be an attendant issue or a PIN Pad issue.

The EMV/Chip Fallback Report is based on the current, non-settled transactions that reside in the batch only for inside transactions.

	EMV/CHIP Fallback Report Old Station Address City - ST - 3215444 1111111111111						
TOTAL EMV.CHIP CARD TRANSACTIONS: 1 FALLBACK TRANS [%] OF CHIP TOTAL 0 0.00%							

Figure 20: NBS EMV/Chip Fallback Report

NBS Site Configuration Report

The NBS Site Configuration Report provides information that is configured and stored within the Passport system through the NBS Network Configuration menu, to allow connection to the NBS network.

Note: It is recommended that the store print this report and keep it in a safe place in case of catastrophic system failure or other circumstances that would require reconfiguration.

Figure 21: NBS Site Configuration Report

Site Information:	
Terminal ID:	11111111111111
Site Name:	Old Station
Street Address:	Address
City :	City
State :	ST
Zip Code:	3215444
Configuration Name:	CHSGP01
Cash Back Fee:	0
US Debit Preferred:	YES
Global Options:	
Host Connection Type:	VSAT
ACK Timeout (ms):	5000
Response Timeout (ms):	35000
Days To Keep:	30
TCP/IP Parameters:	
Primary IP Address:	10.5.48.6
Primary Port Number:	5003
Secondary IP Address:	10.5.48.6
Secondary Port Number:	5003
Use TLS:	NO
Dial Parameters:	
Primary Phone Number:	18002222222
Secondary Phone Number:	18003333333
Com Port:	0
Baud Rate:	2400
Modem Init String:	AT&F0V0E0&K0&Q6%CX4S37=5&Z0
Modem Registers:	ATS7=20S10=2S11=50S25=0&W0
Modem Line Discipline:	A - 8 data bits, 1stop bit and no parity
Dial Header:	
Dial Trailer:	

NBS Prepaid/Loyalty Card Activity Report

The NBS Prepaid/Loyalty Card Activity Report provides settlement information on prepaid gift card and loyalty card transactions that come from the NBS network.

Figure 22: NBS Prepaid/Loyalty Card Activity Report

	NBS I	repaid/Loyalty Card Activ PERIOD FROM 12/26/2016	' ity :19:07 AM TO 1/3/2017 12:48:03 PN
Action	Count	Total	
Activations	11	220.00	
Recharges	0	0.00	

NBS POS Transaction Statistics Report

This report is used to identify the manner in which all transactions, including EMV/Chip transactions, are being processed by Passport.

Figure	23:	NBS	POS	Transaction	Statistics	Report
--------	-----	-----	-----	-------------	-------------------	--------

]	POS Transaction Statistics	<u>Report</u>
		Created: Dec 05,2016 14:22
		PERIOD FROM 12/5/2016 8:25:20 AM
	Old Station	
	Address 123	
	City - ST - 21456	
	GP1078444050401	
ENTRY MODE	TOTAL TRANSACTIONS: 32 TRANS	% OF TRANS
ENTRY MODE	IRANS	% OF TRANS
Swined	5	15.63
MSD contactless	0	0
EMV contact	26	81.25
Swiped fallback	1	3.13
Manual fallback	0	0
EMV contactless	0	0
PINPAD DETAIL		
EMV card read failures:	7	
PIN entry errors:	0	

The following report lists the types of cards and entry methods being used:

- Manual
- Swiped
- Most Significant Digit (MSD) contactless
- EMV contact
- Swiped fallback
- Manual fallback
- EMV contactless

Network Sales Report by Day (Shift)

The Passport system assigns a unique transaction number to each transaction it sends to the NBS network for processing. The Network Sales Reports include detailed information for each sale and refund transaction for that day or shift. Each transaction entry includes products, PPU, and total transaction amount. The entries in the report are sorted in ascending order by transaction number.

If a refund transaction is associated with a valid original sale invoice number, the refund transaction number field contains the original sale invoice number. If the refund transaction is not associated with a valid original sale invoice number, the refund transaction number field is blank, indicating the transaction was a general refund.

Note: This report does not include voided or declined sales.

To protect sensitive customer data, all but the last four digits of the card account number are masked on the report. If no NBS network transactions are run within a specific reporting shift or day, the report shows zeros for all totals.

Note: The Network Sales Report By Shift uses the same format as the Network Sales Report By Day.

			Network Sales By Day PERIOD FROM 12/2	y 6/2016 6:19:07 AM T	O 1/3/2017 1	12:48:03 PM
Traus #	#	Date/Time	Card #	Trans Re	funded #	Trans Tota
10004		2016-12-26 12:36:37	XXXXXXXXXXXX0267			\$0.0
	P.Code	Description	Quantity	PPU	Amoun	t
	400	Generic Item	1	\$0.010	\$0.01	
10014		2016-12-30 07:27:04	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			\$1.0
	P.Code	Description	Quantity	PPU	Amoun	t
	400	Generic Item	1	\$1.000	\$1.00	
10024		2016-12-31 12:43:24	XXXXXXXXXXXX0012			\$2.0
	P.Code	Description	Quantity	PPU	Amoun	t
	400	Generic Item	1	\$2.000	\$2.00	
10025		2016-12-31 12:45:10	XXXXXXXXXXXX0012			\$0.0
	P.Code	Description	Quantity	PPU	Amoun	t
	400	Generic Item	1	\$0.010	\$0.01	
10026		2016-12-31 12:46:32	XXXXXXXXXXXXX0012			\$0.0
	P.Code	Description	Quantity	PPU	Amoun	<u>it</u>
	400	Generic Item	1	\$0.010	\$0.01	

Figure 24: Network Sales by Day

Settlement Report

The Settlement Report provides a comparison of local and network totals for sales and refunds of each card type for a particular period. The bottom of the report indicates whether the local and network totals are "Balanced" or "Out of Balance". The store manager can use this report to verify whether the Passport system and NBS network totals agree.

Figure 25: Settlement Report

	s	iite	Б	lost
	Number	Total	Number	Total
American Express Diners Discover Card JCB UnionPay Visa MasterCard	127	\$6,644.05	127	\$6,644.05
Sales	124	\$6,528.05	124	\$6,528.05
Refund	0	\$0.00	0	\$0.00
Card decline after host approval	2	\$89.00	2	\$89.00
Card pre-decline (report to host)	1	\$27.00	1	\$27.00
Debit	2	\$0.02	2	\$0.02
Sales	2	\$0.02	2	\$0.02
Refund	0	\$0.00	0	\$0.00
MasterCard Fleet	0	\$0.00	0	\$0.00
Sales	0	\$0.00	0	\$0.00
Refund	0	\$0.00	0	\$0.00
MasterCard (Corporate)	1	\$10.00	1	\$10.00
Sales	0	\$0.00	0	\$0.00
Refund	0	\$0.00	0	\$0.00
Card pre-decline (report to host)	1	\$10.00	1	\$10.00
Vice Elect	0	\$0.00	0	£0.00
Visa Ficer Salar	0	\$0.00	0	\$0.00
Refund	0	\$0.00	0	\$0.00
Visa (Corporate)	6	\$858.00	6	\$858.00
Sales	0	\$0.00	0	\$0.00
Refund	0	\$0.00	0	\$0.00
Card pre-decline (report to host)	6	\$858.00	6	\$858.00
All FBT	0	\$0.00	0	\$0.00
Sales	0	\$0.00	0	\$0.00
Refund	0	\$0.00	0	\$0.00
				AA
All Debit	2	\$0.02	2	\$0.02
Sales	2	\$0.02	2	\$0.02
Refund	0	\$0.00	0	\$0.00
All Credit	134	\$7,512.05	134	\$7,512.05
Sales	124	\$6,528.05	124	\$6,528.05
Refund	0	\$0.00	0	\$0.00
Card decline after host approval	2	\$89.00	2	\$89.00
Card pre-decline (report to host)	8	\$895.00	8	\$895.00
				D 1 0
				Page 1 of .

Unpaid Transactions Report

The Unpaid Transactions Report provides information on transactions that result in a declined or unsettled completion or transactions that are authorized but later declined by the NBS network. The Passport system attempts to obtain a response from the NBS network for offline completions until a response is received or a Store Close is performed.

Figure 26: Unpaid Transactions Report

	Un	Ipaid Transactions			
Date/Time	Account Number	Sales Type	Total	Transaction #	
2017-01-03 08:04:46	XXXXXXXXXXXXX1005	Inside-	\$42.00	10145	
2017-01-03 09:39:50	XXXXXXXXXXXXX1005	Inside-	\$49.00	10152	
2017-01-03 09:41:46	XXXXXXXXXXXXX2513	Inside-	\$50.00	10153	

Site Level Card Based Fuel Discounts

This report provides information on the fuel discounts by card type configured by going to **MWS > Set Up > Network Menu > NBS > Fuel Discount Configuration**. It lists each card type the network accepts, and the Fuel Discount Group assigned to the card type, or NONE if the card type has no discount configured.

Figure 27: Site Level Card Based Fuel Discounts

Report created: 01/02/2017 12:18:23 PM		
Card Record	Discount Group	
American Express	NONE	
Carte Blanche	NONE	
Cenex	NONE	
Cenex Gift Card	NONE	
Debit	NONE	
Diners Club	NONE	
Discover/Novus	NONE	
Fleet One	NONE	
Fuel Man	NONE	
GasCard	NONE	
JCB	NONE	
MasterCard	NONE	
MasterCard Fleet	NONE	
Sinclair Fleet	NONE	
Visa	NONE	
Visa Fleet	NONE	
Voyager	NONE	
Wright Express	NONE	

Network Journal Report

The Network Journal Report provides information on NBS network transactions.

The following transaction types are recorded in the Network Journal Report:

- Credit Sales
- Debit Sales
- EBT Sales
- Prepaid Card Activations
- Prepaid Card Recharges
- Prepaid Card Declines (when the NBS network sends the decline code)
- Card Configuration Download Tracking
- EMV Download Tracking
- EMV Transaction detail

The Network Journal Report indicates Shift and Day Close status. It also provides reporting on network communications, such as approval and denial for all services.

The Network Journal Report is available by navigating to **MWS** > **Reports** > **Journal Reports** > **Network Journal Report**. The Network Journal Report User Interface allows the user to configure parameters, such as date and time, exceptions, source of the transactions, type of transaction, and sorting order.

Figure 28: Network Journal Selection Screen



Note: The store manager can use the Network Journal Report as an aid for identifying disputed transactions.

notwon	Network Journal Repo	
Date/Time C Current Date 12/02/2016 C Select	Exception Flag © Exception © Transaction © All Journal Text	Rint Preview
to 12/01/2016 Calendar 12:35:25 PM December V 2016 V	Source ID (Register \ CRIND \ Other) ○ All OtherSource ○ Select Register # 1 Register # 2	Print
S M T W T F S 27 28 20 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7	Journal Type All EMV Conf Download Download Configuration Approved Transactions EMV Transaction Details Batch Settlement Period Close Declined Transactions 	
Today	Sort By	Operator 91

Figure 29: Network Journal Report Pre-Filter Screen



		1101	TUIK	Jou		
Store Name				STOP	RE # 299	
OPERATOR OPERATOR SOFTWARE	NAME Area ID 91 VERSION 1	1.02.32.02_DB161	118 NBS	REPO)RT PRINTED 11/24/2016 1:22:09PM	
DATE: SOURCE: JOURNAL T EXCEPTIO SEARCH ST SORT BY:	DATE: 11/22/2016 10:55AM TO 11/24/2016 10:02PM SOURCE: All JOURNAL TYPE: EMV Conf Download OR EMV Transaction Details EXCEPTION: All SEARCH STRING: SORT BY: Time					
TIME	sou	RCE TYPE	EX	C NE	TWORK JOURNAL TEXT	
2016/11/22 10:55:13	Other	EMV ConfDownlo	oad No	NBS	11/22/16 10:55:16 - EMV download initiated	
2016/11/22 10:55:16	Other	EMV ConfDownlo	oad Yes	NBS	11/22/16 10:55:19 - EMV keys download failed. Retrying in 5 mins	
2016/11/22 12:24:56	Other	EMV ConfDownlo	ad No	NBS	11/22/16 12:24:59 - EMV configuration download successful	
2016/11/22 12:24:57	Other	EMV ConfDownlo	ad No	NBS	11/22/16 12:24:59 - EMV download finished	
2016/11/22 12:48:25	Reg # 2	BMV Transaction I	Oetails No	NBS	11/22/16 12:48:28 - NVOICE: 10001; Batchid: 1; Card Tag Data - ALD(4F): A000000980840; APPLICATION LABEL(50): US DEBIT; APPLICATION PAN(5A): 476173XXXXXXX0176; APP PAN SEQ. NUM(5F34): 03;	
2016/11/22 12:48:25	Reg # 2	EMV Transaction I	Oetails No	NBS	11/22/16 12:48:28 - INVOICE: 10001; Batchid: 1; First AC - 82: 1800; \$4: A000000980844; 95: 80C0048000; 94: 161122; 9C: 00; 5524: 0340; 5574: 03; 9502: 0000000100; 9563: 000000000000; 5509: 0001; 9510: 0601A03A00000; 951A: 0840; 951E: 33539393936353; 9574: 58330651148C00DF; 9572: 96; 9573: D683C; 9574: 42000; 9575: 52; 9574: 0004; 9573: D9A34539; 9579: 05; 9541: 00000003; 9E: 5800; 950D: PCIOACS800; 950E: 00000000; 950F; PCIOEC5800; 5A: 476173500020001; 7AC DEDIAL: 00000000; 7AC ONLINE: FFFFFFFFF; TAC DEFAULT: FFFFFFFFF;	
2016/11/22 12:48:25	Reg # 2	EMV Transaction I	Oetails No	NBS	11/22/16 12:48:28 - INVOICE: 10001; BatchId: 1; Host Tag Data - 8A: 3030;	
2016/11/22 12:49:10	Reg # 2	EMV Transaction I	Oetails No	NBS	11/22/16 12:49:13 - INVOICE: 10002; Batchld: 1; Card Tag Data - AID(4F): A0000000033010; APPLICATION LABEL(50): VISA INTERLINK; APPLICATION PAN(5A): - 4761279/VIV700010- ADD PAN SEO, UNITA(5F4): 01-	

CWS Network Functions

To access the CWS Network Functions, proceed as follows:

1 From the CWS idle screen, select More until the Network Functions button is displayed. \sim OR \sim

Select Network Status. The Network Functions screen opens.



Figure 31: More > Network Functions

Figure 32: CWS Network Status



With either of the actions, the Network Status screen opens.



Figure 33: Network Status Screen

The Network Status screen provides information on all networks connected to the Passport system.

Checking Network Status

The Network Status screen allows you to view a record of network events such as communication errors. Each network event is assigned a severity rating (low, medium, or high). The network status is updated every time a new event is added to the list. The color of the Network Status button indicates the severity of the event:

Color	Severity	
Green	Low	
Yellow	Medium	
Red	High	

If multiple events occur, the color of the Network Status button indicates the highest severity rating of the events. The Network Status button color changes when an event is corrected or after a predetermined time.

The following table describes the Network Functions buttons and their behavior:

Button	Behavior
Balance Inquiry	When you select this button, the Passport system prompts the user to swipe the customer's Cash Card. After the service runs successfully, the Passport system displays the customer balance. <i>Note: This function is applicable to Cash Cards only.</i>
Enroll Card	When you select this button, the Passport system guides the cashier through the process of enrolling a card in the NBS Loyalty program.

Appendix A: Cenex Fuel Product Codes

The following table lists the Cenex Fuel Product Codes to be used in the Passport system. To associate the correct product code with a specific fuel grade, click **Assign Network Codes** in **MWS > Set Up > Forecourt > Forecourt Installation**.

For stores other than Cenex, coordinate with NBS directly to determine if special programming is required.

Fuel Grade	PCATS Product Code	Comments
Unlead 87	001	-
Unlead 88-89	002	-
Unles 90-91	003	-
Unlead 92/above	004	-
Ethl 5.7% 87/88	011	California product
Ethl 5.7% 89/90	012	Currently inactive
Ethl 5.7% 91/92	013	-
Ethl 7.7% 87/88	014	-
Ethl 7.7% 89/90	015	-
Ethl 7.7% 91/92	041	-
Ethl 10% 87/88	042	-
Ethl 10% 89/90	043	-
Ethl 10% 91/92	044	-
M85	025	-
E85	026	-
Unld Refm 87/88	027	-
Unld Refm 89/90	028	-
Unld Refm 91/92	029	-
Misc Auto Fuel	099	-
Diesel # 1	019	-
Diesel # 2	020	-
Diesel Premium	021	-
Diesel B2	045	-
Diesel B5	046	-
Diesel B10	047	-
Diesel B20	050	-
ULS Diesel # 2	079	-
ULS Diesel B2	080	-
ULS Diesel B5	081	-
ULS Diesel B10	082	-
ULS Diesel B20	083	-
Diesl #1 No Tax	032	-
Diesl #2 No Tax	033	-
Diesl Prm No Tax	034	-
Diesel B2 N/Tax	074	-

Fuel Grade	PCATS Product Code	Comments
Diesel B5 N/Tax	075	-
Diesel B10 N/Tax	078	-
Diesel B20 N/Tax	076	-
ULS Diesel B2 N/Tax	084	-
ULS Diesel B5 N/Tax	085	-
ULS Diesel B10 N/Tax	086	-
ULS Diesel B20 N/Tax	087	-
Flexfuel Ethnl	088	-
Othr ful No Tax	035	-
Cmpr naturl Gas	022	-
LPG motorFuel	023	-
Liquid Nat Gas	024	Currently inactive
Kerosene	300	-

Appendix B: Upgrading to Passport V12

This section provides NBS-specific information to the ASC when upgrading from a Passport version which has been defined as an approved upgrade path.

Before beginning the upgrade, the ASC must perform the following:

- Please do not replace or add a PIN Pad until after the upgrade completes. Refer to "After the upgrade, the ASC must perform the following:" on page 36 for instructions in case of specific PIN Pad models.
- Ensure that all dispenser software and firmware meet applicable requirements to support loyalty and other fuel discounting functionality (including support of \$0.000 PPU).
- Print the **Network Configuration Report**. This will be helpful if a clean install is required and to confirm all network settings (including Host Connection Type and other parameters in Global Information).
- Perform Store Close and ensure that all network transactions have completed. Call NBS Help Desk at 1-800-827-4634 in order to verify that the period was closed successfully.
- Assist the merchant or store manager to print all additional accounts and network reports which are required.
- Ensure that all file transfers from Passport to the BOS have completed.

After the upgrade, the ASC must perform the following:

- If the store uses Dial, set Baud Rate value to 9600 at dial configuration screen. To set the baud rate, go to MWS > Set Up > Network Menu > NBS > Site Configuration > Dial Configuration > Page 1.
- Enable EMV in MWS with at least one PIN Pad set to "EMVCapable".
- Request a Card Download by going to MWS > Set Up > Network Menu > NBS > PDL Download. For more information on requesting PDL Download, refer to "Requesting Card Configuration Download" on page 17.
- Request the EMV PDL Download by going to MWS > Set Up > Network Menu > NBS
 > EMV PDL Download. For more information on requesting EMV PDL Download, refer to "Requesting EMV PDL Download" on page 19.
- Review the parameters on MWS > Set Up > Network Menu > NBS > Site Configuration > EMV Parameters tab with the store owner or store manager. Advise the store owner or manager to contact NBS Help Desk to discuss the financial implications and suggested settings on this screen.
- If installing a VeriFone MX915 or Ingenico iSC250/iPP320 PIN Pad after the upgrade, ensure that the EMV Capable field is selected in MWS > Set Up > Register > Register Set Up > Device Configuration.

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