

Introduction

Purpose

This manual provides network-specific information for Passport® V11.02 systems at stores that use the National Bankcard Services (NBS®) network:

- Upgrading from Passport V8.02 with Service Pack W or later
- Upgrading from Passport V10 with Service Pack P/Q or later
- Installing Passport V11.02 for the first time

IMPORTANT INFORMATION

Upgrading to Passport V11.02 requires advance notice to the NBS network that the site is implementing EMV® functionality on Passport. Additionally, CENEX branded locations will need to contact CHS to request an EchoSat PaySafe device prior to installation, and will need to get a copy of the "ControlScan 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 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 your options, which are:

- Upgrade without enabling EMV and return later for the PDL Download 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 Passport certified Gilbarco® Authorized Service Contractors (ASC).

Note: Leave this manual, excluding "Appendix B: Upgrading from Passport V8.02W or V10P/Q to V11.02" on page 38 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 "Appendix B: Upgrading from Passport V8.02W or V10P/Q to V11.02" on page 38 BEFORE BEGINNING THE UPGRADE.

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Related Documents

Document Number	Title	GOLD Library
MDE-3816	Passport Hardware Start-up and Service Manual	<ul style="list-style-type: none"> Passport Service Manual
MDE-4696	Ingenico® PIN Pad Kits (PA0379XXXXX, PA0383XXXXX, PA0412XXXXXXX, and PA0411XXXXXXX) Installation Instructions	POS Peripheral Devices
MDE-4826	Passport Card and Face-based Local Accounts Setup and Operations Manual	Passport
MDE-4834	Passport System Recovery Guide for Passport V8.02+	Passport
MDE-4866	Passport Firewall Router Start-up and Service Manual	Passport
MDE-4954	Passport Start-up and Service Manual for the Cisco® Firewall Router (Q13708-08)	Passport
MDE-5025	Passport V9+ Reference Manual	Passport
MDE-5026	What's New in Passport Versions 9 and 10	Passport
MDE-5083	Passport Hardware Start-up and Service Manual for PX60 Platform	<ul style="list-style-type: none"> Passport Service Manual
MDE-5213	Verifone® MX915 PIN Pad Kit Installation Instructions	Passport
MDE-5266	What's New in Passport Version 11	Passport
MDE-5302	Passport V11.02 Upgrade Instructions	Passport
MDE-5303	Passport Software Installation Manual for V11.02 on PX60 Hardware Platforms	Passport
MDE-5304	Passport Software Installation Manual for V11.02 on PX52 Hardware Platforms	Passport
MDE-5312	Passport EDH (NBS) V08.34 Implementation Guide for PA-DSS V3.2	Passport

Abbreviations and Acronyms

Term	Description
AID	Application Identifier
ASC	Authorized Service Contractor
BIOS	Basic Input/Output System
BOS	Back Office System
CAPK	Certificate Authority Public Keys
CD	Compact Disc
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
ISD	In-station Diagnostic
MWS	Manager Workstation
NBS	National Bankcard Services
PA-DSS	Payment Application Data Security Standard
PDL	Parameter Download
PPU	Price per Unit
RAS	Remote Access Service
SSL	Secured Socket Layer
TCP/IP	Transmission Control Protocol/Internet Protocol
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.

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 11](#)). The Days to Keep field can accept values between 30 and 90 days, inclusive.

What's New in Passport V11.02 at NBS Stores

The following features have been updated or are new for the NBS stores:

V11 Core 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 Support on Inside Transactions

Passport V11.01 was the first release in the US 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 Cashier Workstation, as well as customers inside and at the dispenser, will notice new prompting 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 Cashier Workstation (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.

Clock In/Out Feature

The Clock In/Out feature allows store employees to clock in and clock out from the CWS independent of signing into the CWS and store managers to update clock in/out records. Passport can be configured to make the clock in/out records and updates available to the BOS through the XMLGateway BOOutbox. Feature activation is not required to use the Clock In/Out feature; it is part of Passport base functions.

Dispenser Door Alarm Feature

The Dispenser Door Alarm feature allows the merchant to configure Passport to receive and display open dispenser door alarms on the CWS and Manager Workstation (MWS).

This feature applies to Gilbarco Pump and CRIND devices only. Feature activation is not required to use the Dispenser Door Alarm feature; it is part of Passport base functions.

INCON Vapor Tank Monitor

Passport allows programming of an INCON vapor tank monitor as a secondary tank monitor to meet In-Station Diagnostics (ISD) vapor recovery regulatory requirements in certain jurisdictions.

FlexPay™ IV Retrofit Kit for Wayne® Dispensers

Passport supports programming for Wayne dispensers equipped with the Gilbarco FlexPay IV Retrofit Kit, which makes the dispensers EMV capable.

Universal Dispenser Type in Forecourt Installation

Passport supports the Universal Dispenser Type, which allows the ASCs to program any dispenser based on its physical product meter arrangement (up to four products) rather than selecting a preconfigured dispenser type that masks the underlying product meter mapping behind a logical representation of the dispenser.

CRIND via TCP/IP

Passport supports TCP/IP communication with the CRIND devices on the forecourt. This type of communication between Passport and the CRIND devices on the Forecourt will require upgraded CRIND Basic Input/Output System (BIOS) and additional configuration on the CRIND device itself. Gilbarco dispenser platforms that support TCP/IP communication are FlexPay II and later. These devices support either the traditional serial connection or the new TCP/IP connection.

New Passport Point of Integration with Impulse™

Passport can display on the CWS the content that is usually displayed on the Impulse cashier facing tablet for certain implementations of the Impulse service.

Conexus Mobile Payment

Passport supports mobile payment using the Conexus standard mobile payment interface.

This feature allows the customer to use a mobile app on his smartphone for payment authorization inside at the register and outside at the dispenser. The merchant must contact a mobile payment service provider and activate the feature to provide this service.

Back Office Interface Enhancements

Passport provides following enhancements in BOS Interface Configuration programming:

- Using the original Operator ID (CashierID) in PJR files for prepay fuel transactions that complete after the cashier who originally rang the transaction inside has closed the till. Previously, the closing PJR file used CashierID of 0000 for these transactions. This enhancement provides a solution for BOS that do not support CashierID 000.
- Defaulting price book items to qualify for food stamps if there is no indication in the incoming ITT.XML file or Extraction Tool Import file that the item should not qualify for food stamps. Historically, a price book item inherits the value of the FoodStampable flag of the Department to which the item is assigned if there is no indication that the item should qualify for food stamps. This field provides a solution for stores that run with a BOS device that does not support the FoodStampable flag in the ITT file and want items to be configured as qualifying for food stamps by default.

EBT Food (Non-integrated) and EBT Cash (Non-integrated) Tenders

Passport provides new Tender Group selections that allow the merchant to program EBT Food and EBT Cash tenders for stores that use an external EBT terminal to authorize EBT Cash and EBT Food transactions when the primary payment network does not support EBT Cash and EBT Food card types. These new EBT tenders are available for inside transactions only. The EBT Food tender applies food stamp restrictions to the items in the transaction as well as exempts tax for the items that qualify for food stamps.

Register Group Maintenance

Passport introduces the following two enhancements to Register Group Maintenance:

- **Default to using promotional pricing when ringing refund transactions**
Historically, Passport allowed promotional pricing for sales only. With the introduction of the “Use promotional pricing for refunds” field on the **Sales and Refunds** tab, Passport will apply current promotional pricing to refund transactions as well as sales. By selecting this option under one Register Group, Passport applies the option to all registers.
- **Bypass prompting the cashier for opening and closing till counts**
Historically, Passport prompted for till count when the cashier opened or closed a till. With the introduction of the “Suppress opening/closing till counts” field on the **Till counts** tab, Passport bypasses prompting the cashier for till count when opening a new till and when closing the till and assumes a zero till balance for these opening and closing tills. This new option is targeted to stores that prefer to float a set till amount across cashier shifts. To ensure all till cash is recorded before the cashier closes the till, the cashier must perform a final Safe Drop, counting all remaining cash in the till except for the float amount. For stores that program Passport to generate PJR files to be consumed by a BOS, with this option enabled, Passport generates PJR files for the zero till open, final safe drop, and zero till close. By selecting this option under one Register Group, Passport applies the option to all registers.

64 Fueling Positions

Beginning with V11.02 Service Pack D, Passport allows configuration and communication with up to 64 fueling positions at the forecourt. Support for over 32 fueling positions requires configuration in **MWS > Fuel > Site Options** and **MWS > Setup > Forecourt > Forecourt Installation**.

In addition, the CWS can be configured to control all or a set of the dispensers through **MWS > Setup > Register > Register Group Maintenance**. Use of multiple Register Groups requires the enhanced Store feature.

Keep in mind the following limitations for the use of 64 fueling positions:

- 64 fueling positions is available only for Gilbarco dispensers.
- Your payment network may not support more than 32 fueling positions. Contact your payment network representative before configuring more than 32 fueling positions.
- The Veeder-Root® TLS350 Tank Monitor supports up to 36 fueling positions and the TLS450PLUS Tank Monitor supports up to 72 fueling positions. Earlier versions of tank monitor did not support more than 32 fueling positions.

Signature Capture

Beginning with V11.02 Service Pack D, Passport supports electronic signature capture at the Ingenico iSC250 and VeriFone MX915 PIN pads. Passport stores the electronic signature with the merchant receipt and uploads it to Insite360 receipts. Reprints of electronic signature capture receipts automatically print the captured signature. Receipt searches performed at the CWS do not display the captured signature; instead, an indication that the signature was electronically captured displays.

Receipt Printer Settings for Faster Printing

To increase receipt printer speed, your ASC can change the settings on the Epson® receipt printer, which increases the baud rate of the printers.

CRIND Authorization Timeout Change to Meet Regulatory Requirements

Recent national Weights and Measures (W&W) regulations require the CRIND authorization timeout to be no more than 120 seconds (two minutes). If your Passport is configured with a CRIND Authorization Timeout value greater than 120 seconds, upgrading to V11.02 Service Pack D will reduce the value to 120 seconds automatically.

Site Configuration Programming

IMPORTANT INFORMATION

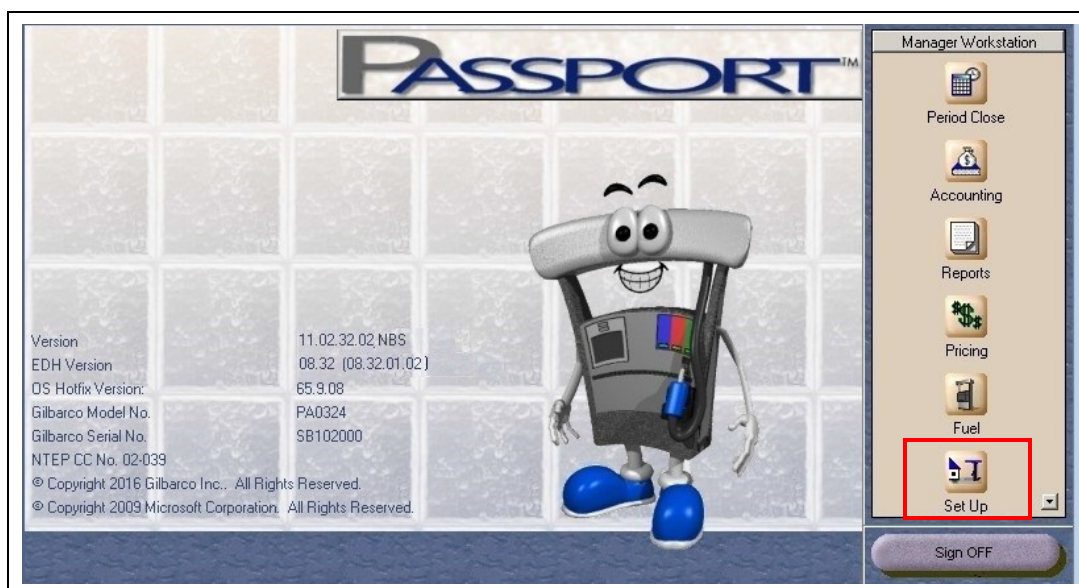
Install and run the Enhanced Dispenser Hub (EDH) before you start network configuration.

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

To program Site Configuration, proceed as follows:

- 1 From the MWS main menu, select **Set Up**.

Figure 1: MWS Main Menu



The Set Up menu displays.

Figure 2: MWS Set Up Menu



2 Select **Network Menu**. The Network menu displays.

Figure 3: NBS Network Menu



- 3 Select **NBS**. The NBS network menu buttons display.

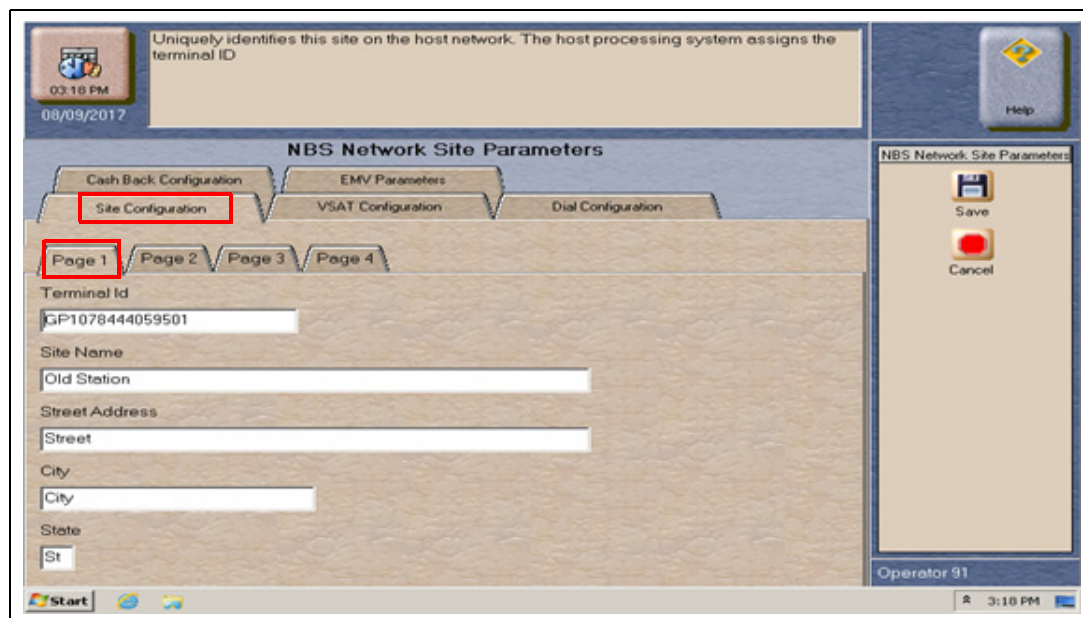
Figure 4: NBS Network Configuration Menu



The following option buttons display in Network Configuration screen:

- Site Configuration
 - Card Configuration Download
 - EMV PDL Download
 - Fuel Discount Configuration
- 4 To program network configuration for the site, select **Site Configuration**. The NBS Network Site Parameters screen appears.

Figure 5: Site Configuration - Page 1 Tab



5 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.

6 Select the **Site Configuration - Page 2** tab.

Figure 6: Site Configuration - Page 2 Tab

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

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 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.

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

Figure 7: Site Configuration - Page 3 Tab

02:40 PM
08/09/2017

EMV Configuration. First character must be alpha.

NBS Network Site Parameters

Cash Back Configuration EMV Parameters **Site Configuration** VSAT Configuration Dial Configuration

Page 1 Page 2 **Page 3** Page 4

Configuration Name
CHSGP01

EMV Configuration
debitemvconf

EMV Keys
NBSPubKeysAllBrands

Print store copy of the receipt inside

Print customer copy of the receipt inside

Help

NBS Network Site Parameters

Save
Cancel

Operator 91
Store Store Name

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

Field	Description
Configuration Name (see Note)	Indicates the name of the card configuration file the NBS network keeps for this store. This value is provided by the NBS network. <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'. <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 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'. <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>
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 . <i>Note: Refer to the Signature Capture enhancement description in MDE-5266 What's New in Passport V11, which is present with the User Documentation Compact Disk (CD) that accompanies the Passport V11.02 Software Kit.</i>
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 . <i>Note: Refer to the Signature Capture enhancement description in MDE-5266 What's New in Passport V11, which can be found on the User Documentation CD that accompanies the Passport V11.02 Software Kit.</i>

Figure 8: Site Configuration - Page 4 Tab

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

Field	Description
US debit preferred	<ul style="list-style-type: none"> • 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 10 on [page 14](#). Otherwise, select the **VSAT Configuration** tab. After completing all fields on the **VSAT Configuration** tab, proceed to step 12 on [page 16](#).

Figure 9: 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 port number for the secondary NBS processor for this store.
Secondary Host IP Port	Backup communication port for the WorldPay® network. 4-digit string. By default, the value is not set to anything.
Use TLS	Transport Layer Security (TLS) is the protocol that offers enhanced security through Secured Socket Layer (SSL) connection. Note: For EMV-enabled sites, this field set to YES is mandatory.

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

IMPORTANT INFORMATION

CENEX branded locations with the **PaySafe** device will use the default values above. To connect the Passport RV042 Router to the store's **PaySafe** device, use an Ethernet® cable between the WAN Port of the RV042 Router and Port 1 on the PaySafe device.

See "ControlScan Installer Configuration Guide Passport to NBS" as required at the beginning of this document.

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

Figure 10: Dial Configuration - Page 1 Tab

The screenshot displays the 'NBS Network Site Parameters' window, specifically the 'Dial Configuration' tab. The 'Page 1' sub-tab is selected. The form contains the following fields and values:

- Primary Phone Number:** 1800222222
- Secondary Phone Number:** 1800333333
- Modem COM Port:** 0
- Baud Rate:** 2400
- Modem line discipline:** A - 8 data bits, 1 stop bit and no parity

On the right side of the window, there are 'Save' and 'Cancel' buttons. The bottom right corner shows 'Operator 91'.

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

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 system 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 this device to the Internet port on the Passport router.

- 11 After completing all fields on the **Page 1** tab, select the **Page 2** tab.

Figure 11: Dial Configuration - Page 2 Tab

The screenshot displays the 'NBS Network Site Parameters' window with the 'Dial Configuration' tab selected. Within this tab, the 'Page 2' sub-tab is active. The form contains the following fields:

- Modem Init String:** A text box containing the value `AT&F0V0E0&K0&Q6%CX4S37=5&Z0`.
- Modem Registers:** A text box containing the value `ATS7=20S10=2S11=50S25=0&W0`.
- Dial Header:** An empty text box.
- Dial Trailer:** An empty text box.

On the right side of the window, there are 'Save' and 'Cancel' buttons. At the bottom right, a status bar displays 'Operator 91' and 'Store Store Name'.

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

Field	Description
Modem Init String	The modem commands used to initialize the modem each connection. <i>Note: The modem string shown for initialization in Figure 11 is for the MultiTech® 56K V.90 modem device supplied with the Passport system. Gilbarco does not support strings for any other modem.</i>
Modem Registers	The register string used to specify other modem commands after the initialization string. <i>Note: The modem string shown for initialization in Figure 11 is for the MultiTech 56K V.90 modem device supplied with the Passport system. Gilbarco does not support strings for any other modem.</i>
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.

12 Select the Cash Back Configuration tab.

Figure 12: Cash Back Configuration Tab

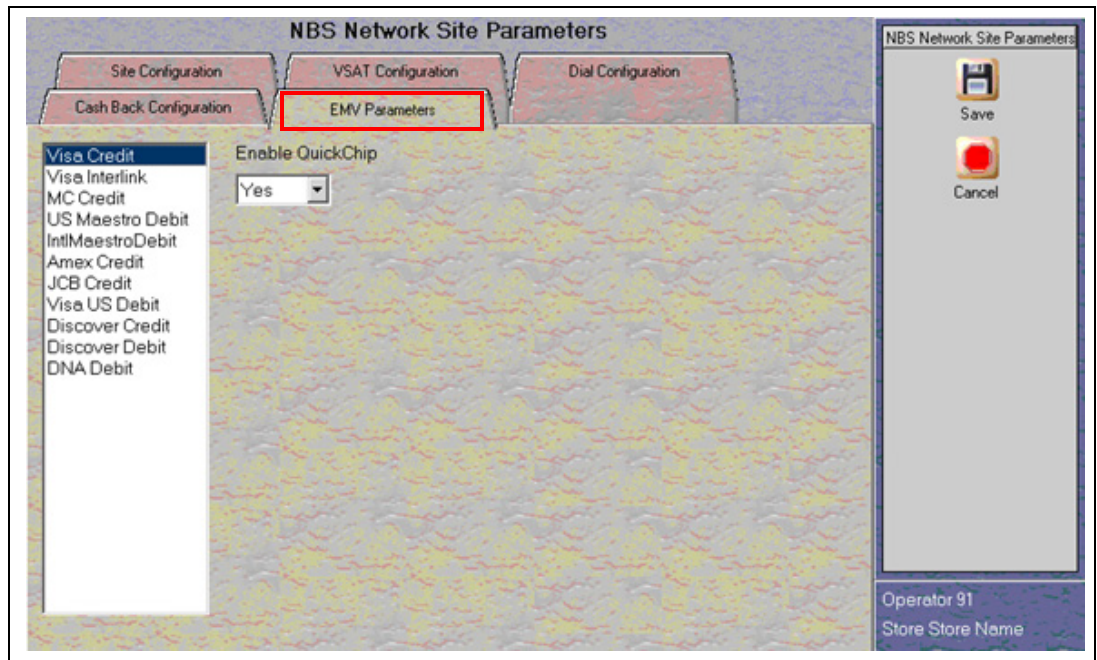
The screenshot shows a software window titled "NBS Network Site Parameters". It has several tabs: "Site Configuration", "VSAT Configuration", "Dial Configuration", "Cash Back Configuration" (which is highlighted with a red box), and "EMV Parameters". The "Cash Back Configuration" tab is active, displaying a "Cash Back Fee" label and a text input field containing "0.00". On the right side of the window, there are "Save" and "Cancel" buttons. At the bottom right, it says "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.

- 13 After completing the Cash Back Configuration tab, select the **EMV Parameters** tab.

Figure 13: EMV Parameters Tab



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

Field	Description
Enable QuickChip	<p>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.</p> <p>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.</p> <p>Defaults to No.</p>

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, check the checkbox next to Contactless.
- 4 Select **Save** to save the configuration and exit.

Figure 14: Register Set Up -Device Configuration

The screenshot shows the 'Register Set Up - Device Configuration' window. The 'Device Configuration' section is expanded, showing the following settings:

- Line Display: POS Line Display
- PIN Pad Type: Verifone MX 915
- Connection: TCP/IP
- IP Address: 10.28.120.146
- Electronic Signature: ☐
- Forward Outside Trans: ☐
- GVR Mat Reader: ☐
- Contactless: ☒**
- EMV Capable: ☒

On the right side, there are 'Save' and 'Cancel' buttons. The 'Save' button is highlighted with a red circle.

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 success, Passport declines the transaction with the error message, "**Contactless not allowed**" on the CWS yellow bar and a "**Declined**" message in the PIN Pad.

Figure 15: 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:

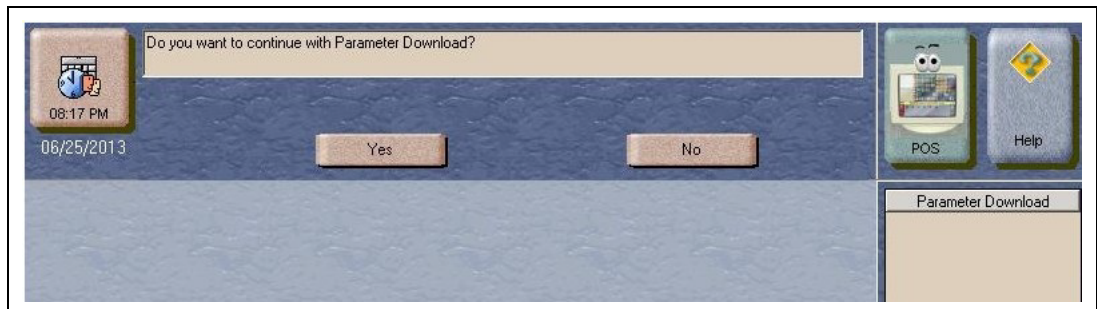
- 1 From the NBS Network menu screen, select **Card Configuration Download**.

Figure 16: NBS Network Configuration Menu



- 2 The Passport system prompts, “Do you want to continue with Parameter Download?”

Figure 17: Card Configuration Download Screen



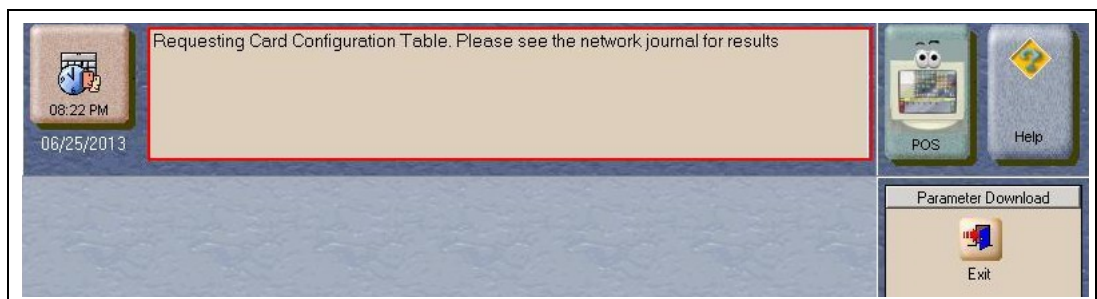
- If you select **No**, the system returns to the Network menu screen.
- If you select **Yes**, the system requests a Card Configuration Table from the NBS network.

IMPORTANT INFORMATION

A site cannot accept electronic forms of payment without successfully receiving 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 18: 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 MW MED. Network status displays for one minute after a download. Clicking the NW MED indicator causes the Network Status screen to appear 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:

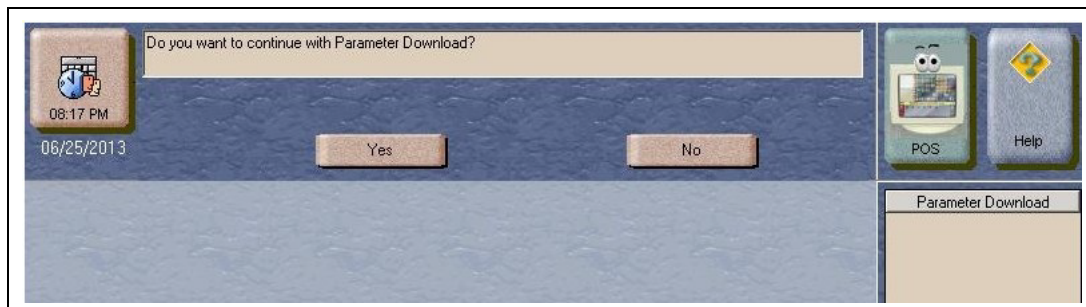
- 1 From the NBS Network Menu screen, select **EMV PDL Download**.

Figure 19: NBS Network Configuration Menu



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

Figure 20: EMV Parameter Download Screen



- 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.

IMPORTANT INFORMATION

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

After the Passport system has started to acquire a Configuration 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.

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*.

The following table lists all the NBS network reports:

Report Name	Shift Close	Store Close	Current
NBS Card Configuration Report	-	X	X
NBS Card Conflict Report	-	-	X
NBS EMV Chip CAPK Report	-	-	X
NBS EMV Chip Configuration Report	-	-	X
NBS EMV/Chip Fallback report	-	-	X
NBS Site Configuration Report	-	-	X
NBS Prepaid/Loyalty Card Activity Report	-	X	X
NBS POS Transaction Statistics Report	-	-	X
NBS Sales Report by Day	-	X	X
NBS Sales Report by Shift	X	X	X
NBS Settlement Report	-	X	X
NBS Unpaid Transactions Report	-	X	X
Site Level Card Based Fuel Discounts	-	-	X

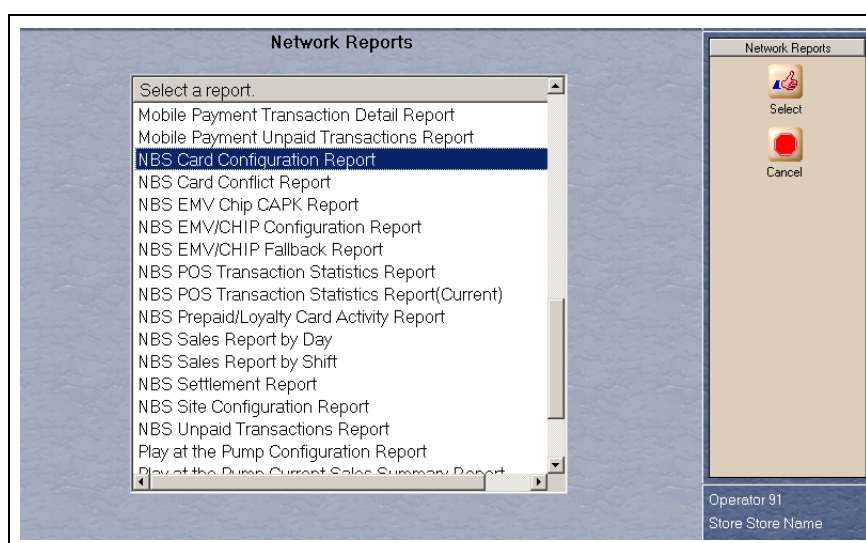
IMPORTANT INFORMATION

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.

To view the Network Reports, proceed as follows:

- 1 From the MWS main menu, select **Reports > Network**.

Figure 21: Network Reports Menu



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 22: NBS Card Configuration Report

Version: 1
Card: American Express
NBS Card Code: BC
PAN Range High: 349999
PAN Range Low: 340000
PAN Length: 15
Mask Account: XXXXXXXXXXXX####
PAN Range High: 379999
PAN Range Low: 370000
PAN Length: 15
Mask Account: XXXXXXXXXXXX####
Track to send to the Host: 2 1
Expiration date format: YYMM
Expiration date Check: Yes
Card: Diners
NBS Card Code: BC
PAN Range High: 309999
PAN Range Low: 300000
PAN Length: 14
Mask Account: XXXXXXXXXXXX####
PAN Range High: 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 23: NBS Card Conflict Report

Card Conflicts		
PERIOD FROM 6/21/2013 6:04:56 AM TO 6/25/2013 8:59:50 AM		
Issuer Name - Processing Network	Issuer Name - Configured Network	Conflict Instances (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 24: NBS EMV/Chip CAPK Report

EMV/CHIP CAPK Report		Created: Nov 24, 2016 13:15
Old Station Address City - ST - 3215444 1111111111111111		
Card Brand Name:	VISA	
RID:	A000000003	
Index:	92	
Modulus:	996AF56F569187D09293C14810450ED8EE3357397B18A2458EFAA92DA3B6DF6514EC060195318FD43BE9B8F0CC66 9E3F844057CBDDF8BDA191BB64473BC8DC9A730DB8F6B4EDE3924186FFD9B8C7735789C23A36BA0B8AF65372E B57EA5D89E7D14E9C7B6B557460F10885DA16AC923F15AF3758F0F03EBD3C5C2C949CBA306DB44E6A2C076C5F 67E281D7EF56785DC4D75945E491F01918800A9E2DC66F60080566CE0DAF8D17EAD46AD8E30A247C9F	
Exponent:	03	
Expiration Date:	2017-12-31	
Card Brand Name:	VISA	
RID:	A000000003	
Index:	94	
Modulus:	ACD2B12302EE644F3F835ABD1FC7A6F62CCE48FFEC622AA8EF062BEF6FB8BA8BC68BBF6AB5870EED579BC397 3E121303D34841A796D6DCBC41DBF9E52C4609795C0CCF7EE86FA1D5CB041071ED2C51D2202F63F1156C58A92D 38BC60BDF424E1776E2BC9648078A03B36FB554375FC53D57C73F5160EA59F3AFC5398EC7B67758D65C9BFF7828 B6B82D4BE124A416AB7301914311EA462C19F771F31B3B57336000DFF732D3B83DE07052D730354D297BEC72871D CCF0E193F171ABA27EE464C6A97690943D59BDABB2A27EB71CEEBAFA1176046478FD62FEC452D5CA39329653 0AA3F41927ADFE434A2DF2AE3054F8840657A26E0FC617	
Exponent:	03	
Expiration Date:	2017-12-31	
Card Brand Name:	VISA	

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 25: NBS EMV/Chip Configuration Report

EMV/CHIP Configuration Report		Created: Nov 24, 2016 13:16
Old Station Address City - ST - 3215444 1111111111111111		
TID:	1	Application Ver / EMV Kernel Ver: 1904 0467
TID:	2	Application Ver / EMV Kernel Ver: 1904 0467
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 Enabled: True Fallback Enabled: True		
AID: A00000002501 Additional Terminal Capabilities: 600080B001 Application Version: 0001 BRS Max Target Percentage: 0 BRS Target Percentage: 0 BRS Threshold: 0 Default DDOL: 9F3704 Default TDOL: Fallback Enabled: True AID Type: Credit PAN Expiry Validation Enabled: True Partial Selection Enabled: True PIN Entry Bypass Enabled: True Floor Limit: 0 TAC Default: 0000000000 TAC Denial: 0000000000 TAC Online: 0000000000 Terminal Capabilities: E0F8C8		
Contactless Settings Application Version: 0001 Default TDOL: 9F020695055F2A029A039C019F3704 PAN Expiry Validation Enabled: True CVM Limit: 10 Transaction Limit: 15 Terminal Floor Limit: 12 TAC Default: DC50840000 TAC Denial: C400000000		
TAC Online: 0000000000 Terminal Transaction Qualifiers: B6204000 Terminal Risk Management TTQ: B6004000 Below Term Capabilities: E028C8 Above Term Capabilities: E028C8 MSR Contactless CVM Required Limit: 0 QuickChip: Disabled		
AID: A00000006200620 Additional Terminal Capabilities: 600080B001 Application Version: 0000		

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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.

Figure 26: NBS EMV/Chip Fallback Report

<u>EMV/CHIP Fallback Report</u>					
Created: Nov 24, 2016 13:16					
Old Station					
Address					
City - ST - 3215444					
1111111111111111					
TOTAL EMV/CHIP CARD TRANSACTIONS: 1					
FALLBACK	TRANS	% OF CHIP TRANS	TOTAL	0	0.00%

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 27: NBS Site Configuration Report

Site Information:	
Terminal ID:	1111111111111111
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.

To set the Passport system for automatic printing of reports at shift and store close, go to **MWS > Set Up > Store > Period Maintenance** on the **Store Close Reports** and **Shift Close Options** tabs.

The report is also listed in **MWS > Reports > Network Reports**.

Figure 28: NBS Prepaid/Loyalty Card Activity Report

NBS Prepaid/Loyalty Card Activity		
PERIOD FROM 12/26/2016 6:19:07 AM TO 1/3/2017 12:48:03 PM		
Action	Count	Total
Activations	11	220.00
Recharges	0	0.00
Enrollments	2	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 29: NBS Prepaid/Loyalty Card Activity Report

POS Transaction Statistics Report		
Created: Dec 05, 2016 14:22		
PERIOD FROM 12/5/2016 8:25:20 AM		
Old Station		
Address 123		
City - ST - 21456		
GP1078444050401		
TOTAL TRANSACTIONS: 32		
ENTRY MODE	TRANS	% OF TRANS
Manual	0	0
Swiped	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 report lists the types of cards and entry methods being used:

- Manual
- Swiped
- 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 zeroes for all totals.

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

Figure 30: Network Sales by Day

Network Sales By Day				
PERIOD FROM 12/26/2016 6:19:07 AM TO 1/3/2017 12:48:03 PM				
Trans #	Date/Time	Card #	Trans Refunded #	Trans Total
10004	2016-12-26 12:36:37	XXXXXXXXXXXX0267		\$0.01
<u>P.Code</u>	<u>Description</u>	<u>Quantity</u>	<u>PPU</u>	<u>Amount</u>
400	Generic Item	1	\$0.010	\$0.01
10014	2016-12-30 07:27:04	XXXXXXXXXXXX3337		\$1.00
<u>P.Code</u>	<u>Description</u>	<u>Quantity</u>	<u>PPU</u>	<u>Amount</u>
400	Generic Item	1	\$1.000	\$1.00
10024	2016-12-31 12:43:24	XXXXXXXXXXXX0012		\$2.00
<u>P.Code</u>	<u>Description</u>	<u>Quantity</u>	<u>PPU</u>	<u>Amount</u>
400	Generic Item	1	\$2.000	\$2.00
10025	2016-12-31 12:45:10	XXXXXXXXXXXX0012		\$0.01
<u>P.Code</u>	<u>Description</u>	<u>Quantity</u>	<u>PPU</u>	<u>Amount</u>
400	Generic Item	1	\$0.010	\$0.01
10026	2016-12-31 12:46:32	XXXXXXXXXXXX0012		\$0.01
<u>P.Code</u>	<u>Description</u>	<u>Quantity</u>	<u>PPU</u>	<u>Amount</u>
400	Generic Item	1	\$0.010	\$0.01

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.

To set the Passport system for automatic printing of reports at shift and store close, go to **MWS > Set Up > Store > Period Maintenance** on the **Store Close Reports** and **Shift Close Options** tabs.

The report is also listed in **MWS > Reports > Network Reports**.

Figure 31: Settlement Report

Settlement					
PERIOD FROM 12/26/2016 6:19:07 AM TO 1/3/2017 12:48:05 PM					
	Number	Site	Total	Number	Host
American Express Diners Discover	127		\$6,644.05	127	\$6,644.05
Card JCB UnionPay Visa MasterCard					
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
Visa Fleet	0		\$0.00	0	\$0.00
Sales	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 EBT	0		\$0.00	0	\$0.00
Sales	0		\$0.00	0	\$0.00
Refund	0		\$0.00	0	\$0.00
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
Page 1 of 2					
Settlement Status: BALANCED					

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 32: Unpaid Transactions Report

Unpaid Transactions				
PERIOD FROM 12/26/2016 6:19:07 AM TO 1/3/2017 12:48:03 PM				
Date/Time	Account Number	Sales Type	Total	Transaction #
2017-01-03 08:04:46	XXXXXXXXXXXX1005	Inside-	\$42.00	10145
2017-01-03 09:39:50	XXXXXXXXXXXX1005	Inside-	\$49.00	10152
2017-01-03 09:41:46	XXXXXXXXXXXX2513	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 33: Site Level Card Based Fuel Discounts

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.

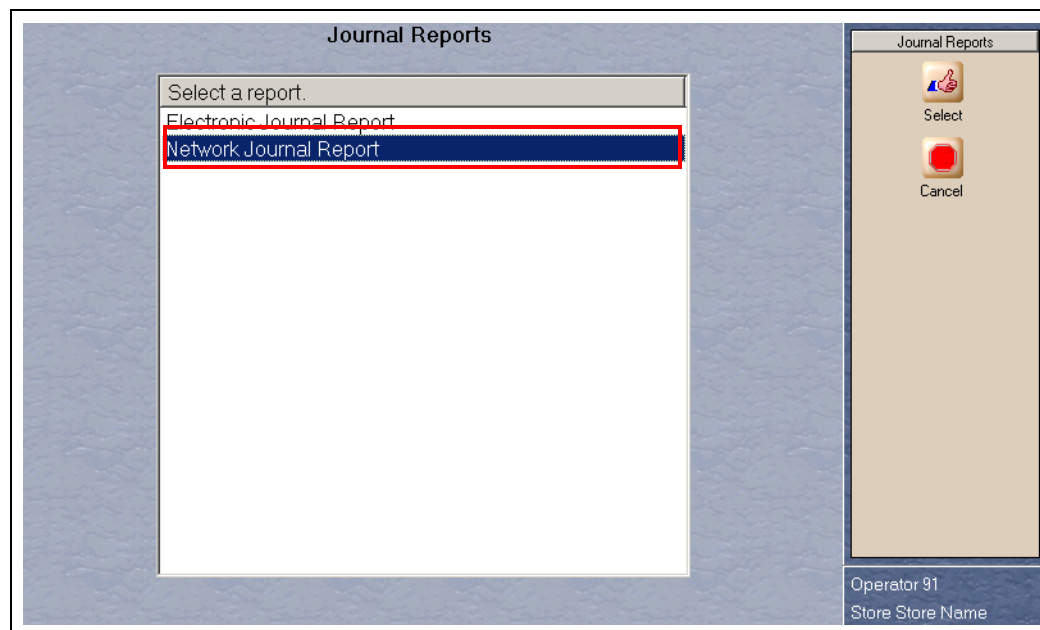
The following transaction types are recorded in the Network Journal Report:

- 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 34: Network Journal Selection Screen



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

Figure 35: Network Journal Pre-Filter Screen

Figure 36: Network Journal

Network Journal Report

Store Name

STORE # 299

OPERATOR NAME Area Manager

OPERATOR ID 91

SOFTWARE VERSION 11.02.32.02_DB161118 NBS REPORT PRINTED 11/24/2016 1:22:09PM

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	SOURCE	TYPE	EXC	NETWORK	JOURNAL TEXT
2016/11/22 10:55:13	Other	EMV ConfDownload	No	NBS	11/22/16 10:55:16 - EMV download initiated
2016/11/22 10:55:16	Other	EMV ConfDownload	Yes	NBS	11/22/16 10:55:19 - EMV keys download failed. Retrying in 5 mins
2016/11/22 12:24:56	Other	EMV ConfDownload	No	NBS	11/22/16 12:24:59 - EMV configuration download successful
2016/11/22 12:24:57	Other	EMV ConfDownload	No	NBS	11/22/16 12:24:59 - EMV download finished
2016/11/22 12:48:25	Reg # 2	EMV Transaction Details	No	NBS	11/22/16 12:48:28 - INVOICE: 10001; BatchId: 1; Card Tag Data - AID(4F): A0000000980840; APPLICATION LABEL(50): US DEBIT; APPLICATION PAN(SA): 476173XXXXXX0176; APP PAN SEQ. NUM(SF34): 03;
2016/11/22 12:48:25	Reg # 2	EMV Transaction Details	No	NBS	11/22/16 12:48:28 - INVOICE: 10001; BatchId: 1; First AC - 82: 1800; 84: A0000000980840; 95: 80C0048000; 9A: 161122; 9C: 00; 5F1A: 0840; 5F34: 03; 9F02: 000000001200; 9F03: 000000000000; 9F09: 0001; 9F10: 06010A03A00000; 9F1A: 0840; 9F1E: 3856393939393939; 9F26: 8853063B14BC06DF; 9F27: 80; 9F33: E066C8; 9F34: 420000; 9F35: 22; 9F36: 0004; 9F37: D9A54F39; 9F39: 05; 9F41: 00000000; 9F: 6800; 9F0D: FC50AC8800; 9F0E: 0000000000; 9F0F: FC70BC9800; 5A: 476173XXXXXX0176; TAC DENIAL: 0000000000; TAC ONLINE: FFFFFFFF; TAC DEFAULT: FFFFFFFF;
2016/11/22 12:48:25	Reg # 2	EMV Transaction Details	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 Details	No	NBS	11/22/16 12:49:13 - INVOICE: 10002; BatchId: 1; Card Tag Data - AID(4F): A0000000033010; APPLICATION LABEL(50): VISA INTERLNK; APPLICATION PAN(SA): 476173XXXXXX010; APP PAN SEQ. NUM(SF34): 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 displays.
~ OR ~
Select **Network Status**. The Network Functions screen opens.

Figure 37: More > Network Functions

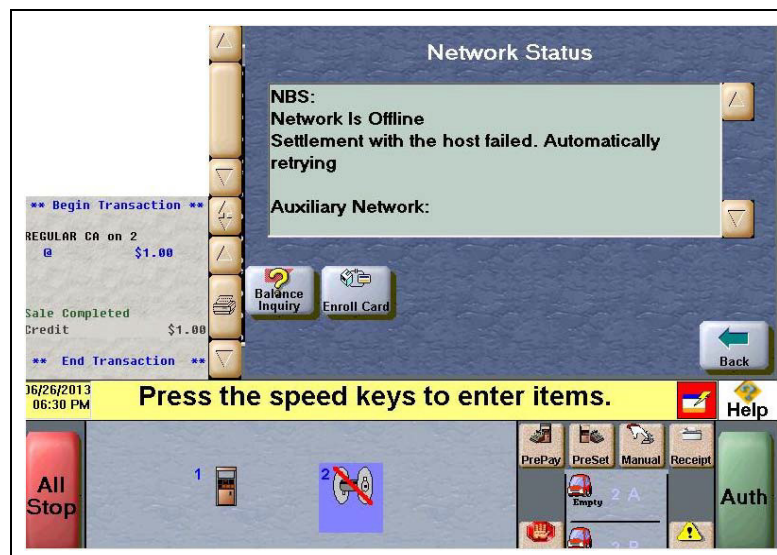


Figure 38: CWS Network Status



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

Figure 39: 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 from Passport V8.02W or V10P/Q to V11.02

This section provides NBS-specific information to the ASC for upgrading from Passport V10P or V10Q to V11.02. Some steps apply only if upgrading from V8.02. These are clearly identified.

IMPORTANT INFORMATION
Upgrades to NBS V11.02 are supported only for locations running: <ul style="list-style-type: none">• NBS V8.02 with Service Pack W and later~OR~• NBS V10 with Service Pack P or Q <p>If the Passport system is installed with an earlier version or service pack, then you must first upgrade to one of these minimum versions before upgrading to NBS V11.02, or perform a clean install.</p>

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

- Please do not to replace or add a PIN pad until after the upgrade completes. Refer to “After the upgrade” 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).

If upgrading from V8.02

- Print the Fuel Discount Configuration report if the **MWS > Fuel > Fuel Discount Maintenance > Fuel Discounts by Card Type** tab is configured. This report will aid in reconfiguring Fuel Discounts by Card Type using Fuel Discount Groups in **MWS > Fuel > Fuel Discount Maintenance** and Fuel Discount Groups in **MWS > Set Up > Network Menu > NBS**.
- If a Generic Loyalty Provider is configured in **MWS > Set Up > Store > Loyalty Interface**, the ASC must advise the manager that during the upgrade, all historical Loyalty sales data will be lost and Loyalty period reports must be printed before the upgrade begins.
- 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:

- 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 19](#).
- Request a 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 21](#).
- 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**.

If upgrading from V8.02

- Assist the manager in renaming Fuel Discount Groups and reconfiguring Fuel Discounting by Card Type in **MWS > Set Up > Network Menu > NBS** based on the Fuel Discount Maintenance report printed before the upgrade began.
- Assist the manager in activating the Multiple Loyalty Interface feature, if applicable.
- Print a new Site Level Card Based Fuel Discounts Report. If some card types no longer have their fuel discount or if the manager wishes to target new card types with fuel discounts, go to **MWS > Set Up > Network > NBS > Fuel Discount Configuration** and update the fuel discounts accordingly.
- Select **Save** to save the changes to the Passport database and exit.

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7300 West Friendly Avenue · Post Office Box 22087
Greensboro, North Carolina 27420
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