

# Introduction

## Purpose

This manual provides instructions for setting up a CFN®+ or ISL+ system that connects to National Bankcard Services (NBS) for card verification using the FiPay<sup>™</sup> application.

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## **Cards Accepted**

NBS (FiPay) can accept the following cards. To know which cards will be active at your location, contact your NBS representative.

Bank Cards		
American Express®	Discover®	
MasterCard®	VISA®	

Fleet Cards	
MasterCard Fleet	PHH (except Donlen)
VISA Fleet	Voyager
WEX <sup>SM</sup>	

## **Related Documents**

Document		
Number	Title	GOLD Library
MDE-4255	Gasboy® Warranty Policy Statement for USA and Canada	<ul><li>Gasboy Safety and Warranty Docs</li><li>Gasboy Policy Documents</li></ul>
MDE-4811	Islander <sup>™</sup> PLUS and ICR PLUS Installation Manual	Gasboy Fleet PLUS System
MDE-4813	CFN PLUS Installation Manual	Gasboy Fleet PLUS System
MDE-4817	SiteOmat In-House Station Controller Setup and Maintenance Manual	Gasboy Fleet PLUS System
MDE-4818	SiteOmat In House Station Controller Users Manual	Gasboy Fleet PLUS System

## **Abbreviations and Acronyms**

Term	Description
AES	Advanced Encryption Standard
API	Application Programming Interface
CFN	Commercial Fueling Network
ESP	Electronic Payment System
FHO	Fleet Head Office
FTP	File Transfer Protocol
GUI	Graphical User Interface
HASP	Hardware Against Software Piracy
ICR	Island Card Reader
NBS	National Bankcard Services
OS	Operating System
RAM	Random Access Memory
SSL	Secure Socket Layer
TAC	Technical Assistance Center
TCP/IP	Transmission Control Protocol/Internet Protocol
USB	Universal Serial Bus
XML	Extensible Markup Language

## Warranty

For information on warranty, refer to MDE-4255 Gasboy Warranty Policy Statement for USA and Canada. If you have any warranty-related questions, contact Gasboy's Warranty Department at its Greensboro location.

# Important Safety Information

Notes: 1) Save this Important Safety Information section in a readily accessible location.

#### 2) Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.

#### **Preliminary Precautions**

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

### **Emergency Total Electrical Shut-Off**

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

### WARNING

The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.

You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

#### **Total Electrical Shut-Off Before Access**

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

### Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- · An evacuation of all unauthorized persons and vehicles from the work area
- · Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

#### Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gasboy Authorized Service Contractor or call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

#### Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; Code for Motor Fuel Dispensing Facilities and Repair Garages, NFPA 70; National Electrical Code (NEC). Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes, All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

#### **Replacement Parts**

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

### Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes. Alert Symbol



#### Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.

WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



**CAUTION** with Alert symbol: Designates a hazard or

unsafe practice which may result in minor injury. **CAUTION** without Alert symbol: Designates a hazard or unsafe practice which may result in property or

equipment damage. Working With Fuels and Electrical Energy

#### **Prevent Explosions and Fires**

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

#### No Open Fire

Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors. No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

#### **Working Alone**

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

#### Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

#### **Hazardous Materials**

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth.

### \Lambda WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

### \Lambda WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### In an Emergency

#### Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

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Gasoline/DEF ingested may cause

unconsciousness and burns to internal organs.
 Do not induce vomiting. Keep airway open.
 Oxygen may be needed at scene. Seek medical advice immediately.

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DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors.

If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

### WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

### 



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

### WARNING



Gasoline spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

### 

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice recommended treatment if DEF spills into eyes.

**IMPORTANT**: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately. **Lockout/Tagout** 

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

# **Preparing for Configuration**

Before you configure, obtain the following information from your NBS representative:

- Your Merchant ID#. Cenex® customers obtain Merchant ID from CHS.
- Phone numbers (primary and secondary) for the modem used for NBS authorization, if using dialup connectivity to NBS, or Abierto box with dialup backup.
- An open serial port on the desktop computer hosting the FiPay application. A USB to serial adaptor can be used, if required.
- An available USB port for the software Hardware Against Software Piracy (HASP) key.

*Note: It is important to have a dialup modem or Abierto router box for connection to the NBS network.* 

Determine the desktop computer's serial communications port to be assigned to the FiPay application for connection to the NBS host through the modem or Abierto router.

You may also want to determine which of the accepted card types you will use and ensure that all product information is loaded in the Islander Plus system. For more information, refer to MDE-4817 SiteOmat In-House Station Controller Setup and Maintenance Manual.

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Before loading new versions of software and/or initializing NBS, ensure that all previous transactions are settled and accounted for. Failure to do so can cause a loss of transaction data or create a problem for the next settlement.

## **System Requirements**

Following is a list of FiPay requirements for a system. If the system on which FiPay is installed includes other services, then you must scale the system for those services/products, as required.

### **Minimum Hardware Requirements**

- 1 GB of RAM
- 2 GHz of CPU Speed
- 40 GB of Disk Space

### **Minimum Software Requirements**

- .NET 2.0 or higher
- Windows® XP PROFESSIONAL or Windows 7 Professional Minimum (Windows 2003 Server preferred)

### **CFN+ or Islander PLUS Minimum Software Requirements**

- Operating System v.BSP 1.08 (SP8) or higher
- SiteOmat v.SO 6.3.3.088 or higher

Fleet Head Office - v.FHO 6.3.3.035 - DB:342 or higher

## WARNING

Windows version listed as Home, Starter, and so on are **NOT SUPPORTED**.

All Windows Operating Systems must be listed as PROFESSIONAL or higher to meet the minimum requirements. Windows Vista™ is **NOT SUPPORTED**.

# Before you Begin

FiPay Payment Network software is intended to run on a standalone PC or Server. Before attempting to install FiPay Payment Network software on the same PC/Server as the Fleet Head Office software, refer to "Appendix C: HASP Key Information" on page 57.

# Islander Plus/CFN Plus Setup

To accept Credit Card sales using the Islander PLUS system, a Secure Socket Layer (SSL) connection to the computer running the FiPay application must be established. The Islander PLUS makes this connection automatically and then the connection is set up using the following SiteOmat menus:

- 1 To navigate to the Station Parameters menu, login to the Islander PLUS.
  a Navigate to the SETUP page.
  b Click the ADVANCED button.
  c Click or select the GLOBAL tab at the TOP of the page.
- 2 On the Global page, make the following changes:
  a Change the User Activity Timeout to 120.
  b Change the Authorization Timeout to 120.
  c Click the Save button to save the changes.

Description:	Patrices Truck Stop	Code:	12	
E-Mail:		Language:	English	-
Address:	7300 Friendly Ave	City:	Greensboro	
egional Settings				
Date format:	MM/DD/YY	Time format:	HH:MM:SS	
/olume measurement:	Gallon	Odometer consumption:	Mi/Gal	-
Currency measurement	Dollars ·	EH consumption:	Gal/Hr	
Density	Kg/mª 🔹	Temperature:	'F	
Height (measurement):	Inch	Mainht (display)	Inch	
Flow Rate:	Gal/Hr User Inac	ctivity Timeout		
ieneral	Set	t to 120	Autho	prization Timeout
VAT:	0.00	Zero transactions:	0	Set to 120
User Inactivity timeout:	45 seconds	Alarm refresh rate:	5 / -	seconds
Auto-Auth name	AutoAuth	Authorization Timeout:	60	
location code (Magic):	1	Employee fleet name:	default_fleet	
Department color:	Positive list 🔹	Employee fleet code	99999	

### Figure 1: Global Page

- 3 Navigate back to the Station Parameters menu and login to the Islander PLUS. a Navigate to the SETUP page.
  - **b** Click the **ADVANCED** button.
  - **c** Click or select the **GLOBAL** tab at the TOP of the page.
  - **d** Click the **ADVANCED** button again.

**4** In the **Payment Terminal** section of the page, click the **Setup** button to configure the Islander PLUS to accept Credit Cards through FiPay.



#### **Figure 2: Station Parameter Menu**

5 Click the **Setup** button in the Payment Terminal section to open the **Setup PAIS** screen (see Figure 3).

			and the local sectors and the	
PATS TP	PATS port: DATS tack	8: 100	End of Day	
rad fr. [localhest	PAIS DOLL 1900	32	Daily run enabled:	
App log: Enable	App port: 10001		Time to run daily:	00 💌 = 01 💌
Comm log: Enable	Comm port: 10002			
Timeout: 30 Seconds			Pin	EOD Now
Card may not be reused within	Ore dit Dresses Dress		Ciur	
Pre-authorize amount:	Credit Processor Drop			
edit processor: Fipay	×			
edit processor: Fipay	×	100.00		
edit processor: Fipay specific evice IP: 10.0.0.11	Device Port:	24900		
edit processor: Fipay specific evice IP: 10.0.0.11 hable log ?: NO	Device Port:	24900		
edit processor: Fipay specific evice IP: 10.0.0.11 nable log 7: NO	Device Port:	24900		
edit processor: Fipay specific evice IP: 10.0.0.11 nable log 7: NO Device IP Address	Device Port:	24900 Device Port		
edit processor: Fipay specific evice IP: 10.0.0.11 hable log ?: NO Device IP Address	Device Port:	24900 Device Port		
edit processor: Fipay specific evice IP: 10.0.0.11 nable log ?: NO Device IP Address	Device Port:	24900 Device Port		
edit processor: Fipay specific evice IP: 10.0.0.11 nable log ?: NO Device IP Address	Device Port:	24900 Device Port	ProductMap	
edit processor: Fipay specific evice IP: 10.0.0.11 nable log 7: NO Device IP Address	Device Port:	24900 Device Port	ProductMap	
edit processor: Fipay specific evice IP: 10.0.0.11 hable log ?: NO Device IP Address	Device Port:	24900 Device Port	Product Map)	

### Figure 3: Setup PAIS Screen

- 6 Select NBS from the Credit processor drop down list.
- 7 In the **Specific** section of the page, set the **Device IP** to the IP address of the computer that has FiPay installed. This is usually a standalone PC. However, it can be the same PC that Fleet Head Office (FHO) is installed on.
- 8 In the **Specific** section of the page, set the **Device Port** to the Transmission Control Protocol/Internet Protocol (TCP/IP) Port of the computer that has FiPay installed. The standard port used for FiPay is 24900. Ensure that any Firewalls are set to allow activity on this port.

Note: Details can be found in "Configuring Windows Firewall" on page 29.

**9** In the **Specific** section of the page, click the **Product Map** button. When you select **ProductMap** on the Payment Setup page, a window appears where you can map the local product codes that you have loaded into the site to those which are predetermined by the Network Processor.

Product Codes - SiteOmat	Translation Drop Down List
Translation group: FiPay	List Product name - code Diesel - 1 Diesel - 1 Diesel - 1 Peqular - 2 Super - 3 UnLeaded - 4 LPG - 5 CNG - 6 Local Product Codes Set in the SiteOmat
ОК	Cancel

### Figure 4: Translate Product Codes Screen

- 10 Select NBS from the Translation group drop down list.
- **11** Select the local product loaded in the Islander PLUS system from the **Product name code** drop down list that you want to cross refer.
- 12 Set the External code with the corresponding network code for the Local Product set in the Product name-code box (see Figure 4). For network codes, refer to the NBS Product Table in "Appendix A: NACS/PCAT Product Reference Tab" on page 47.
   *Note: This is the product code sent to the Host network for Credit transactions and it provides proper authorization along with the billing information.*
- **13** Repeat steps 9 and 10 for all local product codes.
- 14 Click **OK** to save your data when you have finished your entries or click **Cancel** to exit the screen without saving.

- **15** Set the Station to process End of Day (Settlement) with the Host network.
  - a Enable end of day processing by selecting the Daily run enabled checkbox.
  - **b** Use the **Time to run daily** drop down boxes to set the time when the End of day will occur with the Host network.

Setup PAIS - SiteOr	nat — Webpage Dialo	4	Daily run checkbox and Time to run drop down lists
General PAIS IP: Vocifin App log: En Comm log: En Timeout: 30 Card may not be re Pre-authorize amou	able Seconds sused within	PAIS port: PAIS tasks: 32 120 01 Comm port: 10002 10 Minutes 400 Dollars	End of Day Daily run enabled: Time to run daily: 00 • : 01 • Run EOD Now
Dredit processor: Specific Device IP: enable log ?:	Fipay 10.0.0.11 NO	Device Port: 249	00
Save		Close	Product Map

### Figure 5: Setup PAIS Screen

- **16** Additional settings that are NOT typically changed are as follows:
  - a Timeout: 30 seconds is default. This is the time allowed to contact the Host network. Must be set to 120.
  - **b** Card may not be reused with: 10 minutes is default. This timer controls when the same card is used second time. Set 0 to disable.
  - **c Pre-authorization amount**: 400 is default. This is the Maximum dollar amount allowed even if the Host network authorizes a greater value.
- 17 Additional setting must NEVER be changed unless advised to by Gasboy Technical Support.a PAIS tasks:
  - **b** App log: App Port:
  - **c** Comm log: Comm port:

# Installing FiPay (NBS)

To install FiPay (NBS), proceed as follows:

1 Place the FiPay (NBS) executable file that is provided to you or downloaded from the File Transfer Protocol (FTP) site on the C: drive of the system you wish to install it on.

## **IMPORTANT INFORMATION**

Before you start, ensure that you have your FiPay HASP key available. While it is not required to be inserted for FiPay to install, you must insert this key for FiPay to operate properly.

2 Double-click the build executable file and follow the prompts to install or upgrade the software. This file can be installed from any location on the hard drive or removable drive. *Note: If you already have a version of FiPay installed on this machine, you will be prompted to preserve this directory for backup purposes later in the process.* 

### Figure 6: FiPay Executable File



**3** After clicking the executable file, a MS-DOS<sup>®</sup> window appears followed by a number of file names that scroll across the screen (see Figure 7) as they are unzipped for the installation.

Figure 7: MS-DOS Window

inflating:	a, bini.cfg
inflating:	ajbrtsservicex.exe
inflating:	ajbstarts.exe
inflating:	apar_12943_roadmo.pdf
inflating:	buildrel.bat
inflating:	C1.C1Z1v.d11
inflating:	cafinay, DLL
inflating:	cfactory_cfg
inflating:	changeConfig.hat
inflating:	compoul.dll
inflating:	credit.efg
inflating:	Decoder . 2001
extracting:	empty
inflating:	end template.cfg
inflating:	end unhalance template cfo
inflating:	ensconsale_cfu
inflating:	EPSConsolex eve
inflating:	formy hosts inst
inflating:	ffile.exe
inflating:	filelist_txt
inflating:	Hilever exe
inflating:	FiPauninCSX eve

4 After the files are unzipped, you will be prompted to **Enter the Drive letter** where you want to install the FiPay application. Enter the drive where the application will be installed and press **Enter**.

### Figure 8: Drive Letter Prompt

WELCOME TO THE FIPAYPINCSX SIT	E INSTALLER
CURRENT TIME: 15:44:19.11 CURRENT DATE: Thu 05/31/2012	
Please enter the drive letter to inst	all FiPay:
Drive letter? (ie., C )?	

**5** After entering the Drive letter, you will be prompted to enter the type of install: (U) Upgrade, (N) New, or (M) Multi. Select the option that applies to your installation.

Figure 9: Installation Type Prompt



**a** Enter **U** for upgrade. This copies the previous version's configuration.

**b** Enter **N** for new. This creates directory and installs application for a single station.

c Enter M for multiple. This creates directory and installs application for two or more stations.

### **New Install**

6 Enter "N" for the NEW installation option. The installation package will copy files to the WANSUPP directory and Site Configuration screen will display (see Figure 10).

Figure 10: Site Configuration Screen

C:\FiPay\Gilbarco_Inc_W03304-FiPay_Direct_License	s_FipayPinV4_apar_12943.oxe
ELCOME TO THE FIPAYPINCSX SITE CONFIGURATOR PAR: 12943 RELEASE ATE: May 11, 2011	
URRENT TIME: 20:59:11.35 URRENT DATE: Sun 05/15/2011	
ype of site configuration?	
1 Abierto Router 2 Dial via Modem connection 3 Abierto Router with Dial Backup via Mode 2 abierto Router with ENTER to switt i	n.

- 7 Enter the Type of Site configuration that applies to the install.
  - Abierto Router: This is a third-party device that connects serially to the FiPay application computer and then connects to NBS through TCP/IP. For the specific parameters required for setup of a device, you must contact Abierto and then match FiPay to those parameters.
  - **Dial via Modem connection**: Use this selection if you are connecting a standard modem to the FiPay application computer. You will be prompted for the main and backup phone numbers to contact NBS for authorization.
  - Abierto Router with Dial Backup via Modem: This incorporates both the Abierto setup along with a dialup backup routine. If for some reason a TCP/IP connection is not available, then the system will fallback on the dialup access to NBS.

### Option 1: Abierto Router (See Figure 11 and Figure 12 on page 15)

- 8 Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- **9** Enter the **COM Port for Abierto Router**. This is the COM port of the computer hosting the FiPay application.
- 10 Enter the Min Dial Attempts. This is the number of redial attempts.
- 11 Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- 12 Enter the Auto Key Renewal. This is the number of days left for the security keys to automatically renew.
- 13 Enter the Fleetcard \$PreAuth. This is the PreAuth amount used for Fleet Cards.
- 14 Enter the Non-Fleetcard \$PreAuth. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

**15** Review the data entered at the **Are these variables correct?** (**Y**/**N**) prompt. Enter **Y**es to save the configuration or enter **No** to re-enter the configuration data.

Figure 11: Abierto Router Site Configuration



Figure 12: Successful Configuration of Abierto Router



- **16** After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- **17** The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 13). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

### Figure 13: Operation Successful Message





- **18** Press any key to complete the software installation.
- **19** To complete the installation and start the FiPay service, refer to "Service Install Verification and Start-up" on page 26.

### Option 2: Dialup Modem (See Figure 14 and Figure 15 on page 17)

- **20** Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- **21** Enter the **COM Port for Dialup Modem**. This is the COM port of the computer connected to the modem.
- **22** Enter the **NBS Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 23 Enter the Modem Init String. This allows you to edit the Init string for the Dial Out modem used for authorization.
   Note: You MUST include amp; after each ampersand symbol used in the init string. For more details, refer to "Appendix B: Running EPS Consolex GUI Utility" on page 55.
- **24** Enter the **NBS Backup Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 25 Enter the Min Dial Attempts. This is the number of redial attempts.
- **26** Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- **27** Enter the **Auto Key Renewal**. This is the number of days left for the security keys to renew automatically.

- 28 Enter the Fleetcard \$PreAuth. This is the PreAuth amount used for Fleet Cards.
- **29** Enter the **Non-Fleetcard \$PreAuth**. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

Figure 14: Dialup Modem Site Configuration



Figure 15: Successful Configuration of Dialup Modem



- **30** After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- **31** The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 16). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

### Figure 16: Operation Successful Message





- **32** Press any key to complete the software installation.
- **33** To complete the installation and start the FiPay service, refer to "Service Install Verification and Start-up" on page 26.

### Option 3: Abierto Router with Dialup Modem (See Figure 17 on page 19 and Figure 18 on page 20)

- **34** Enter the **Terminal ID**. This is the terminal ID for this location. Contact NBS for this number. Cenex customers obtain Terminal ID from CHS.
- **35** Enter the **COM Port for Abierto Router**. This is the COM port of the computer hosting the FiPay application.
- **36** Enter the **COM Port for Dialup Modem**. This is the COM port of the computer connected to the modem.
- **37** Enter the **NBS Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 38 Enter the Modem Init String. This allows you to edit the Init string for the Dial Out modem you are using for authorization.
   Note: You MUST include amp; after each ampersand symbol used in the init string. For more details, refer to "Appendix D: Modem Initialization String Info" on page 59.
- **39** Enter the **NBS Backup Phone Number**. This is the number used by FiPay to Dial Out for authorization.
- 40 Enter the Min Dial Attempts. This is the number of redial attempts.

- **41** Enter the **FiPay Timeout**. This is the number of seconds before FiPay will timeout and abort the authorization attempt. This number must always be less than the Islander PLUS system.
- **42** Enter the **Auto Key Renewal**. This is the number of days left for the security keys to automatically renew.
- 43 Enter the Fleetcard \$PreAuth. This is the PreAuth amount used for Fleet Cards.
- 44 Enter the Non-Fleetcard \$PreAuth. This is the PreAuth amount used for Credit Card and other non-Fleet cards.

#### Figure 17: Abierto Router with Dialup Modem Site Configuration

WELCOME TO THE FIPAYPINCS	SITE CONFIGURATOR
DATE: May 11, 2011	
CURRENT TIME: 21:04:44.32 CURRENT DATE: Sun 05/15/20	11
Type of site configuration	17
1 Abierto Router 2 Dial via Modem connect 3 Abierto Router with Di	ion al Backup via Modem
Make a choice or hit ENTEJ	ł to guit: 3
Enter the Terminal ID for	this location (ie. 12345): gb1233455687
Enter the port the Abiert	o Router connected to (ie. 1, 2, 3, 4): 4
Enter the port the Dialup	Modem is connected to (ie. 1, 2, 3, 4): 3
Enter the NBS Phone Numbe	r without dashes (ie.: 11231231234 or 9,11231231234): 9,1232344567
Enter Dialup Modem INIT s	tring using amp; before any letter/number combination (ie. "AT&g6")
Enter the NBS backup numb	er without dashes (ie.: 11231231234 or 9,11231231234): 9,3214326556
NOTE: Minimum 2 dial atte Enter number of redial at	mpts recommended (Modem/Router) tempts (i.e. 2):
NOTE: FiPay timeout value Enter FiPay timeout value	MUST be lower than GasBoy timeout value (i.e. 65): 55
NOTE: Keys have to be ren Enter number of days befo	eved once a year (365 days) Enter value in days re renewing keys (i.e. 365):
Enter the PreAuth limit f	or Fleet Cards (Default Value 400): 250
Enter the PreAuth limit f	or Non-Fleet Cards (Default Value 75):
CONFIGURATION VARIABLES	FOR ABIERTO ROUTER WITH DIAL BACKUP SITE
Terminal ID: Abierto Router: Abierto COM Port: Redial Attempts: FiPay Timeout: Key Renewal Days:	gb1233455687 9 4 2 55 365
Fleet PreAuth Amount: Non-Fleet PreAuth Amount:	250 75
Dialup Modem: Dialup Modem COM Port: NBS Phone Number: Dialup Modem Init String: NBS Backup Phone Number:	Y 3 9,1232344567 9,3214326556
THE FOLLOWING CONFIGURATI	ON SETTINGS HAVE BEEN TURNED OFF
NONE	

Are these variables correct? (Y/N)?y YOU HAVE SUCCESSFULLY CONFIGURED FIPAYPINCSX! YOUR CONFIGURATION CHANGES SAVED TO THE FOLLOWING FILE: Volume in drive C has no label. Volume Serial Number is 389D-BF29 Directory of C:\WANSUPP 05/15/2011 09:11 PM 257 fipaypincs\_def.cfg 1 File(s) 0 Dir(s) 257 bytes 51,856,769,024 bytes free PLEASE RUN FIPAYPINCSX.EXE AFTER INSTALLATION TO MIGRATE THESE CHANGES INTO FIPAYPINCS\_CONFIG.XML (MASTER CONFIGURATION). NOTE: Press any key to continue . . . 1 file(s) copied. INSTALLING FIPAYPINU4 Windows Service... Failed: Service already exists or failed to gain access. INSTALLING HASP KEY DRIVER INITIALIZAING HASP KEY DRIVER INSTALLATION... NEW WINDOW WILL OPEN WITH DRIVER INSTALLATION any key to continue

Figure 18: Successful Configuration of Abierto Router with Dialup Modem

- **45** After the configuration has been saved, the HASP key driver installation will begin. Press any key to continue the installation process.
- **46** The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 19). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

#### Figure 19: Operation Successful Message





- **47** Press any key to complete the software installation.
- **48** To complete the installation and start the FiPay service, refer to "Service Install Verification and Start-up" on page 26.

## Upgrade

1 Enter "U" for the Upgrade option. Following screen will display and prompt to back up the existing FiPay directory and setup. Select Y for YES and press Enter to back up and transfer the existing configuration over to the new version. If you select N for NO, you must set up the FiPay configuration from scratch (see Figure 23 on page 23).

Figure 20: FiPay Backup Message Screen

Install Type? (U/N)?U
Stopping FIPAYPINU4 Service
First Attempt at Stopping FIPAYPINU4 Service The FIPAYPINU4 service is stopping. The FIPAYPINU4 service was stopped successfully.
Second Attempt just to make sure The FIPAYPINU4 service is not started.
More help is available by typing NET HELPMSG 3521.
*** WARNING - WANSUPP FOLDER ALREADY EXISTS *** UPGRADE INSTALL
FOLDER ALREADY EXISTS !! C:\WANSUPP
If "YES" selected, C:\WANSUPP will be renamed as: WANSUPP_20110515_191006
If "NO" selected, script will exit
DO YOU WISH TO BACKUP THIS FOLDER? (Y/N)?

2 If you receive an error message, "Access Denied", when you are running the upgrade, a window might open pointing to the WANSUPP directory and it must be closed to continue.

Figure 21: Access Denied Screen



The **WANSUPP** directory must NOT be opened through any other window on the computer. Else, the message shown in Figure 21 on page 21 appears. Ensure that all windows accessing this directory are closed and then try again. The upgrade script will also prompt you to try again and when all windows accessing this directory are closed, it must successfully rename the directory as shown in Figure 22.

### Figure 22: Renaming the Directory

1. FiPay serv: 2. C:\WANSUPP 3. Open files	ice/proces folder is from C:\\	s running open in WANSUPP	Window/Command prompt	
Please check t	the above	condition	s before proceeding	
- ONCE RESOLUT	ED, PRESS	ANY KEY T	0 RETRY RENAME -	
Press any key t	to continu			
*** WARNING	G – WANSUI NEV II	PP FOLDER NSTALL	ALREADY EXISTS ***	
FOLDER ALREADY	Y EXISTS!	C:SWAN	SUPP	
If "YES" selec WANSUPP_20110	cted, C:\\ 515_200833	ANSUPP wi B	ll be renamed as:	
If "NO" select	ted, scrij	pt will ex	it	
DO YOU WISH TO	D BACKUP	THIS FOLDE	R? (Y/N)? у	
*** VA)	NSUPP FOLI NEV II	DER HAS BE ISTALL	en renamed ***	
Volume in driu Volume Serial Directory of (	ve C has r Number is C:\	no label. 389D-BF2	9	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	08 AM 10 AM 23 AM 23 AM 23 AM 23 AM 20 PM 02 PM 02 AM 20 AM 20 AM 20 AM 216 PM 254 AM 216 PM 216 PM 216 PM 216 PM 216 PM 204 PM 204 PM 204 PM 204 PM 204 PM 205 PM 20	<pre><dir> <dir> <dir <dir="" <dir<="" th=""><th>VANSUPP_20101118 VANSUPP_20101130 VANSUPP_20101130 VANSUPP_20101206 VANSUPP_20101210 VANSUPP_20101211 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101216 VANSUPP_20110120 VANSUPP_20110112 VANSUPP_20110516 VANSUPP_20110516 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515</th><th><math display="block">\begin{array}{c} 101036\\ 233530\\ 233530\\ 02753\\ 150134\\ 162700\\ 131608\\ 102212\\ 230212\\ 230212\\ 230212\\ 25614\\ 95551\\ 85636\\ 1055\\ 222059\\ 83242\\ 185702\\ 191702\\ 1912707\\ 191006\\ 200833 \end{array}</math></th></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></dir></pre>	VANSUPP_20101118 VANSUPP_20101130 VANSUPP_20101130 VANSUPP_20101206 VANSUPP_20101210 VANSUPP_20101211 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101213 VANSUPP_20101216 VANSUPP_20110120 VANSUPP_20110112 VANSUPP_20110516 VANSUPP_20110516 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515 VANSUPP_20110515	$\begin{array}{c} 101036\\ 233530\\ 233530\\ 02753\\ 150134\\ 162700\\ 131608\\ 102212\\ 230212\\ 230212\\ 230212\\ 25614\\ 95551\\ 85636\\ 1055\\ 222059\\ 83242\\ 185702\\ 191702\\ 1912707\\ 191006\\ 200833 \end{array}$
- PRESS ANY KI	EY TO CONT	INUE -		
Press any key t	to continu			

- 3 After the backup is complete, press any key, and the upgrade will continue.
- **4** The files and configuration will then be copied into the **WANSUPP** directory and upgrade will transfer the existing configuration files into the new application directory.

Figure 23: Configuration Transfer



Figure 24: Transfer Complete



*Note: If you had selected NOT to back up your existing installation, then you will see the following message and the installation process will terminate (see Figure 25).* 

### Figure 25: Alert Message



- **5** After the configuration has been applied, the HASP key driver installation will begin. Press any key to continue the installation process.
- **6** The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 26). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

#### Figure 26: Operation Successful Message



## IMPORTANT INFORMATION The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

- 7 Press any key to complete the software installation.
- 8 To complete the installation and start the FiPay service, refer to "Multiple" on page 25.

## **Multiple**

Call Gasboy Technical Assistance Center (TAC) 1-800-444-5529 when using this option.

1 Enter **M** for the Multi Gasboy option. Following screen will display after the installation files uncompress.

Figure 27: Multi Gasboy Installation

	MULTI GASBOY INSTALLATION
DELETING FIPAYI FROM c:\WANSUPI	PINCS_DEF.CFG AND FIPAYPINCS_CONFIG.TEMPLATE
MODIFY FIPAYPI SETUP CONFIGUR	NCS_CONFIG.XML USING EPSCONSOLEX.EXE TO ATION VARIABLES FOR EACH GASBOY.

- **2** Press any key to continue with the installation.
- **3** The HASP key driver installation will begin. Press any key to continue the installation process.
- 4 The script will then copy the driver files for the HASP to your computer and make the required configuration changes to your computer for it to operate. At this point, you will see the following two messages (see Figure 28). The first message indicates that the driver is being loaded and second message indicates that the operation has been successfully completed.

### Figure 28: Operation Successful Message

Sentinel HASP Run-time Enviro	💻 Sentinel HASP Run-time Environment Installer v 🔯
Please wait	Operation successfully completed.
(i)	
	(ii)

# IMPORTANT INFORMATION

The HASP key does not have to be inserted for the drivers to be successfully installed. However, it must be inserted before FiPay service will start and function.

- **5** Press any key to complete the software installation.
- 6 Call Gasboy TAC 1-800-444-5529 when using this option.

## Service Install Verification and Start-up

At this point, the installation files and configuration files have been saved or transferred to the new WANSUPP folder. Now the FIPAYPINCS\_CONFIG.XML file must be created for the FiPay software and service to run.

1 Open a Command Prompt (MS-DOS window). Click Start > Programs > Accessories > Command Prompt. If Windows 7, right-click the Command Prompt and select Run as administrator.



Figure 29: Open a Command Prompt Window

2 Navigate to the WANSUPP directory using the MS-DOS window. From the drive where Fipay has been installed, enter cd\WANSUPP and press Enter.

### Figure 30: Navigating to WANSUPP



- **3** From the WANSUPP directory, type **FiPaypinCSX.exe** and press **Enter**. This will write the configuration parameters to the FIPAYPINCS\_CONFIG.XML file and start the fipaypinv4 service.
- 4 Successful execution of FiPaypinCSX.exe. For common errors, see Figure 31.

Figure 31: FiPaypinCSX Successful

CindeesenGastep3st MMENTP The spitelin connet Find the	path specified.
Collimpto Cathory of American	
C1-00050 (FF) (F 10 (a) (F 23 arms) F(F) argument law (F 2) (March 107 (A) 100 argument law (F 2) (March 107 (A) 100 (A) (A) (A) (A) (A) (A) 100 (A) (A) (A) (A) 100 (A) (A) (A) (A) 100 (A) (A) (A) (A) (A) 100 (A) 100 (A) (A) 100 (A)	HOCTOPPL : Erand shacking the HAFF kay production 2002.2013 HOCTOPPL : Erand shacking the HAFF kay HOCTOPPL : Start shacking the saidth, pass the following prime the provide the same shad is, tanging and HOCTOPPL : Replace macros (TELETIONIE) with value 'GRIGVELIVE, 10. HOCTOPPL : Replace macros (TELETIONIE) with value 'GRIGVELIVE, 10. HOCTOPPL : Replace macros (TELETIONIE) with value '1 HOCTOPPL : Replace macros (HELETIONIE) with value '2 HOCTOPPL : Replace macros (HELETIONIE) with value '3 HOCTOPPL : Replace mac

- 5 MS-DOS window pops open and some data scrolls across the screen, and then the window closes. FiPaypinCSX.exe was NOT run using the Command Prompt.
- **6 HASP key check fails** and XML (Extensible Markup Language) file is NOT written to. The FiPay HASP key has not been plugged into a USB port, plug in HASP key and run FiPaypinCSX.exe again.

### Figure 32: HASP Key Error



7 Start the FiPay service. From a command prompt, navigate to the C:\wansupp directory and then type net start fipaypinv4.

### Figure 33: Starting FiPAYPINV4



8 Verify if the **FipayPinCsx process** has started by using Windows Task Manager. Ensure that the "Show processes from all users" checkbox is selected.

### Figure 34: Windows Task Manager

pplications	Processes	Performance	Networking	_	_
Image N	ame	User Name	CPU	Mem Usage	*
ajbrtsser	vicex.exe	SYSTEM	00	9,164 K	
alg.exe		LOCAL SERVICE	00	3,552 K	
cmd.exe		SYSTEM	03	2,764 K	
cmd.exe		SYSTEM	00	1,752 K	
CNTAOSI	Agr.exe	SYSTEM	00	2,520 K	
csrss.exe	3	SYSTEM	07	1,784 K	
csrss.exe		SYSTEM	00	2,176 K	
ctfmon.e	xe	sebastian	00	4,088 K	
EPSCons	olex.exe	sebastian	00	20,288 K	
explorer.	exe	sebastian	00	18,612 K	
evolorer	ave	cohaction	00	20.076 K	
FipayPint	sx;exe	SYSTEM.	03	1,508 K	
logon.sci		SYSTEM	00	1,740 K	
lsass.exe	2	SYSTEM	03	2,756 K	
mmc.exe	P	sebastian	00	1,556 K	
NMSSvc.	Exe	SYSTEM	00	4,396 K	
NTREScar	n.exe	SYSTEM	00	5,728 K	
PccNTMo	n.exe	sebastian	00	3,532 K	14
PROMON	AXA	sehastian	00	3.436 K	~
This how n	rocesses fro	m all users		1 Discourses	

**9** You can also start and stop the service from Windows Services (see Figure 35) or verify if it is running.

### Figure 35: Windows Services

a services (nacar)					
FIPAYPINV4	Name	Description	Status	Startup Type	Log On As
	Distributed Transac	Coordinate		Manual	Network 5
Stop the service	CNS Client	Resolves a	Started	Automatic	Network S
Restart the service	Error Reporting Ser	Allows erro	Started	Automatic	Local System
	Event Log	Enables ev	Started	Automatic	Local System
	Extensible Authenti	Provides wi		Mánual	Local System
	BoFact User Sutching	Provides min	-	Manual	Local System
	PSPAYPINV4		Stated	Automatz.	Local System

10 With the Windows Service running, the FiPay software is ready to accept Credit cards.

### **IMPORTANT INFORMATION**

The FiPay software has a built in Graphical User Interface (GUI) for stopping and starting the FIPAYPINV4 service. For details about a GUI interface that can be used for starting and stopping the FiPay service, refer to "Appendix B: Running EPS Consolex GUI Utility" on page 55.

### **Configuring Windows Firewall**

- **11** If you are using Windows Firewall (or other equivalent software), you may have to create an exception for the FiPay port (24900) to function. For Windows Firewall, refer to the following example. For other firewalls, refer to its documentation for information on how to open a TCP/IP port.
  - Note: You can perform a similar sequence on your specific firewall if you are not using Windows Firewall. Note that you may have more than one firewall in some cases. Ensure that you check each firewall instance for proper setup.

## **Setting Windows XP Exception**

To set Windows XP Exception, proceed as follows:

12 From the Start Menu, select Control Panel.

### Figure 36: Control Panel



**13** Select Security Center.

### Figure 37: Security Center



14 Select Windows Firewall.

Figure 38: Windows Firewall



**15** Click the **Exceptions** tab and click **Add Port**.

### Figure 39: Exceptions Tab

acheral	Exceptions	Advanced					
Windov program to work	vs Firewall is b as end service beller but my	ilocking incoming net is selected below. Ad pht increase your secu	voik connections, e ding exceptions allo ally itsk.	weep! for the wit tome programs			
Brogian	ns and Servic	es;					
Nam	в		Group Policy	1			
🗹 tí	pstv		No				
🗹 tři	DORV		No				
🗹 třípstv		No					
₽.Tr	end Micra Off	iceScan Listener	No				
1	WOR		(ja)				
UPhP Framework Veedencol_crim		No No					
							N/NC
Windows Live Eal		No					
Zw	indows Live N	lessenger	No				
ΠW	indous Bano	re Mananement	No	Y			
Add	Pjogram	Add Pgri	Edt .	Delete			
Disc What a	ilay a polificat	ion when Windows Fi	rewalibiocks a prog	rain			

- 16 Enter the Name as NBS(FiPAY), Port Number as 24900, and click the TCP option.
- **17** Click **OK** to save the exception.

Figure 40: Add a Port Window

Use these settings number and protoc want to use.	to open a port through Windows Frewall. To find the port al, consult the documentation for the program or service yo
<u>N</u> ame:	NBS(FPAY)
Port number:	24900
[	©_ICP O∐DP
What are the risks	of opening a port?
Change scope	OK Cancel

## **Setting Windows 7 Firewall Exception**

To set up an exception in the firewall for Windows 7, select **Control Panel** > **System** > **Security** > **Windows Firewall**. If you do not have access to these menus, contact your IT administrator for the proper rights to make the following changes.

To set Windows 7 Firewall Exception, proceed as follows:

18 From the Start Menu, select Control Panel.

### Figure 41: Control Panel



**19** Select Advanced settings.

Figure 42: Windows Firewall



20 Select Inbound Rules.

### Figure 43: Advanced Setting Screen

File Action View Help		
Windows Firewall with Advance	Windows Firewall with Advanced Security on Local Computer	Actions
Connection Security Rules	Windows Faewall with Advanced Security provides network security for Windows computers.	Mindows Entrand with advanced oc.
	Oververse  Domain Profile  Windows Firewall is on.  Indowed Firewall is on.  Dubound connections that do not match a rule are plocked.  Dubound connections that do not match a rule are allowed.  Private Profile is Active	Restore Default Policy     Diagnose / Repair     View     Refresh     Properties
	Vindow Farwall is on Vincound connections that do not match a rule are plocked Upbound connections that do not match a rule are allowed.	E Hefp

**21** From the Inbound Rules screen, select **New Rule**.

### Figure 44: Inbound Rules screen

indows Firewall with Advance	Inbound Rutes	_					Act	tions	
Inbound Rules Outbound Rules	Naroiz	Group	-	Proble	Enabled	Action *	Inb	found Rules	
Connection Security Rules	DeviceInstaller			Public	Yes	Allow	12	New Rule_	
Monitoring	C DeviceInstaller			Public	Ves	Allow	A	Filter by Profile	
	Gathese ries			Public	Var	Allow	7	Filter by State	
	Gasboy um			Public	Ves	Allow	V	Filter by Group	
	S gasboy_sim.exe			Public	Yes	Block	122	View	
	gasboy_sim.exe			Private Public	Ves Ves	Allow Block	a	Refresh	
	garboy_sim.exe			Private	Yes	Allow	13	Export Lett_	
	HASP LLM			Private	Yes	Allow	Z	Hep	
	ASP LLM			Private	Yes	Allow			
	C FASP LLM			Public	Yes	Allow			
	C FASP LLM			Public	Yes	Allow			

**22** Follow the New Rule Wizard on the **Rule type** screen. Select the **Port** radio button. Click the **Next** button.

Vew Inbound Rule Wizard	time and the second	
Rule Type		
Select the type of frewall rule to creat	de.	
Steps		
Rule Tape	What type of rule would you like to create?	
a Protocol and Pons		
<ul> <li>Action</li> </ul>	Program	
Profile	Fluie that controls connections for a program.	
Name	a Post	
	Rule that controls connections for a TCP or UDP port.	
	Predefined:	
	BarrichCache - Content Reviewal (Juny HTTP)	
	Fluie that controls connections for a Windows experience.	
	Custom	
	Custom rule	
	Lawn norm donk tide tares	
	- Back Next >	Cancel

Figure 45: Rule Type Screen 1

23 On the Ports and Protocol screen, select the TCP and Specific local ports: radio buttons. Enter the FiPay port typically 24900. Click the Next button.

Figure 46: Rule Type Screen 2

A CONTRACTOR OF AN AN A CONTRACT	
Specify the protocols and ports	to which this rule applies.
Steps:	
a Rule Type	Does this rule apply to TCP or UDP?
Piotocol and Ports	e TCP
Action	Ó UDP
· Profile	
a Name	Dows the rule apply to all local ports or specific local ports?
	Specific local ports:       Example: 80, 443, 5000-5010
	Linemanos illos s motocil and noti

24 On the Action screen, select the Allow the connection radio button. Click the Next button.

Figure 47: Action Screen



**25** On the Profile screen, select all the three checkboxes: Domain, Private, and Public. Click the **Next** button.

Figure 48: Profile Screen



**26** On the **Name** screen, enter a name (typically FIPAY) and add a description. Click the **Finish** button.

Name		
Specify the name and description	of this rule.	
Steps		
· Rule Type		
Piotocol and Porti		
a Action		
ProMe	Name	
A Name	TIPAY	
	Description Isotonali	
		e Back Finish Carcel

Figure 49: Name Screen

## Making Changes to the FiPay Configuration (MS-DOS Prompt)

FiPay is configured through an XML file that is created and managed during the installation process. If any changes are required from the default setting after the installation has been completed, proceed as follows:

1 Edit the "fipayincs\_def.cfg" file and make a change to the settings made during the installation script.

Figure 50: Editing fipayincs\_def.cfg File

📮 fipaypincs_def.cfg - Notepad	
Eile Edit Format View Help	
TERMINALID = "gal23412341234" PHONENUM = "18881112222" ABIERTOPORT = "-" MODEMPORT = "4" HASABODEM = "Y" HASABIERTO = "N" INITSTRING = "AT&q6" BACKUPPHONE = "18881112222]" PREAUTHBANKCARD = "75" PREAUTHFLEET = "400"	
Notes: 1) The information shown in this figure is an example	le only
2) Terminal ID will begin with GB.	o only.

**2** Stop the FIPAYPINV4 service, push the changes into the main XML table using the "FipayPinCsx.exe" program and then restart the FIPAYPINV4 service (see Figure 51).

Figure 51: Restarting FIPAYPINV4 Service

🔿 Command Prompt	_ D ×
C:\wansupp)net stop Fipaypinu4 The FIPAYPINU4 service is stop The FIPAYPINU4 service was sto	ping. Dyped successfully.
C:\wansupp>FipayPinCsx.exe 21:54:37.031 \$-300000 mplate and fipaypincs_def.cfg 21:54:37.046 \$-300000 21:54:37.062 \$-300000 21:54:37.062 \$-300000 21:54:37.062 \$-300000 21:54:37.078 \$-300000 21:54:37.078 \$-300000 21:54:37.078 \$-300000 21:54:37.078 \$-300000	HOSTAPPL : Start updating fipaypincs_config.xml using the fipaypincs_config.te HOSTAPPL : Replace macro [TERMINALID] with value 'GA1078705625701' HOSTAPPL : Replace macro [ABIERTOLRC] with value 'Yes' HOSTAPPL : Replace macro [ABIERTOLRC] with value 'Yes' HOSTAPPL : Replace macro [ABIERTOPORT] with value 'Y' HOSTAPPL : Replace macro [MDEMPORT] with value 'Y' HOSTAPPL : Replace macro [HASMODEM] with value 'Y' HOSTAPPL : Replace macro [HASMODEM] with value 'Y' HOSTAPPL : Replace macro [HASMODEM] with value 'Y' HOSTAPPL : Replace macro [INITSTRING] with value 'Y' HOSTAPPL : Replace macro [INITSTRING] with value '_'
C:\wansupy>net start fipaypinu The PIPAYPINU4 service is star The FIPAYPINU4 service was sta	t ing. *ted successfully.
C:\wansupp)	

# **Disabling Bank Cards at the Island During the Evening**

Currently, this feature is not built into FiPay. However, it can be done with a command prompt or with couple of batch files and Windows Scheduler. Run a batch file that runs "net stop xxxxx" and then another one that restarts the service with "net start xxxxx".

Command Prompt... STOP service to shutdown the FiPay application.

Figure 52: Stopping FiPay Application



Command Prompt... START service to restore FiPay operations.

Figure 53: Starting FiPay Operations



# **Settlement for NBS**

## **How Settlement Works**

There will be a settlement (sometimes referred as a batch or batch balance) done with NBS at least once a day. This settlement can be accomplished automatically and is set up through ISL+ by navigating to **SETUP** > **ADVANCED** > **GLOBAL** > **ADVANCED** > **End of Day**.

### Figure 54: End of Day Window

2
00 🕶 = 01 🐨
OD Now

Settlement is done to post the day's sales for billing and to check the system's totals against NBS to verify if the systems agree. You must pay close attention to the settlement reports and contact NBS for any discrepancy. You must do a settlement to receive payment for credit purchases.

The settlement results will be either Settlement BALANCED or Settlement OUT OF BALANCE. If an out-of-balance situation occurs, consult your NBS representative to resolve the error.

When a settlement is executed manually or automatically, a report will be generated on the FiPay controller PC in a text file. The saved files will be stored in the C:\wansupp\logs directory and files will be named EOD\_Report\_yyyymmddhhmmss.rpt.

### Where,

- yyyy = Year
- mm = Month
- dd = Dav
- hh = Hour
- mm = Minutes
- ss = Seconds



Figure 55: Typical EOD Report File Format

### **Settlement Report**

The report for settlement which is printed on the log and stored on the disk is shown in Figure 56.

Note: TRANSACTION IN BALANCE indicates that all has settled properly.

Ello Edit Farmak Mon Help	The share and a start of the st	and a second design of the
	PIPATPINEODREPORT	FILE DATES20101104
COLUMN NAME	BANK TOTAL	FIPAY TOTAL
Number of purchase transactions rotal amount of purchase transactions Foral count Net amount	S 0.03 S 0.03 THANSALTION IN BALANCE	\$ 0.03 1 \$ 0.03

Figure 56: Settlement Report

Occasionally, NBS may initially authorize the use of a card but when the transaction is completed, the NBS will reject the completion of that transaction. In this unlikely event, the message, "Settlement, OUT OF BALANCE, site sent xx.xx" appears.

The OUT OF BALANCE report for settlement which is printed on the log and stored on disk is shown in Figure 57.



the tok rumak yew telp		
	FIFAYFINEODKEPORT	FILE DATE:20100910
	TRANSACTION NOT IN BALANCE	
CARD TYPE: PL		
COLUMN RAME	BANK TOTAL	FIPAY TOTAL
Number of purchase transactions Total amount of purchase transactions Total count Net amount	45 \$ 504.20 \$ 904.20	5 975.38 69 5 978.38
CARD TYPE: VF		
COLLIMN NUME	BANK TOTAL	FIRAV TOTAL

# **FHO Reporting**

When there are no real changes to the FHO for FiPay and NO CARD data is stored in the FHO, there are some reports now available for Credit Transactions through the CUSTOM reports tab. To obtain some sample reports that will give you Credit Card Sales information, see Figure 58.

\_

### Figure 58: Credit Card Sales Information

A	Report header	10	CreditCerdBot				R	ens in sare	201
		Datks	and an an an						
	Date	1.	From	11/01/10 12:44:00	114	Ic	11/15/11	0124400	100
Reports	Tan	2							
nonogement	Produit	3	Selast				.2		
	Quantity	4	Fran.		To				
	Total Sale	5	Fron.		Tu		- I		
	Pay Mode	6	Select						
	Credit card Congs	7.		Cesh					
	Caedit card arms	B		Orecht ceurd Own us e			3		
nts Viewer Help Nitistration Exit	Tenglau	Credit	ordPpt 💌	Accycle Somple Other Redemption Screen Customer tag VIS Cosh discount Night Multi select				Dekes	Mosty
GASBOY	Break by	-		Socihy	~		E	Sum	axyonly 🗖

MDE-4999A FiPay™ Payment Network Installation and Setup Instructions · October 2012

A sample report is shown in Figure 59.

#### Figure 59: Sample Report

at the	(Date)	Tues	Fieldolt	Disputing	Total links	Page Micele	Pipedit cart Somp-	Conditional and an array
L	11106(30	15.08.02	E-10	13310	40.9.9	Chieddit cland.	V18A	**************************************
2	LLCs(CR	19 39 34	DYBO DSL	3.000	13.00	Credit-card	V256	***************************************
3	11.001010	121137	D'FBD DSL	1000	1380	Crudit card	UISA	and an and a starting of the
4	11000/30	13.0919	CLEAD DOL	13330	40.0.9	Credit card	1735A	) *************************************
5	11.CTU10	14.02.31	15-10	17.135	7910	Credit card	DISCORER	**************************************
81	11430/10	10 34 31	.8.10	33,661	-09.1.8	Chevelat mand-		
3°.	11/08/04	10.0733	CLEAD DOL.	6.015	3017	Cheedit mard.	0'85A	**************************************
8	11446-16	12 33 87	41.10	0.0101	0.00	Christiel magel.	UTRICA.	anterna anterna de la constante
10	11.1.0/30	10 145 31	34.10	11.050	30.40	Carrille mant.	0.1	water and a state of the later
10	11410010	11100102	CLEAB COL	0 0 0 0	0.00	Classifi mani-		TAPPENDER REPAIRS AND AND ADDRESS
11	1.141.1 (10)	100.146-213	8.10	13.325	1383	Cresht assed	PEASTERICARES	514.00458.50453214
1.2	11/12/10	13.33 18*	.8.10	3(3-4003	632.37	Contribut material		Distant and a second second second 20
1.38	110.000	1011-0-01221	16.10	140300	45 60	Cantilat insant.	ARK .	Determine and a second state
1.0.	11/12/3010	10K (bill 22)	TOYNES INC.	75 200	-21.0 4.0	Cresht marsh	VIBA	34.9.00.004.001.003328
1.7	11/63/30	105.413.403	CLEAR DOL	41.202	122 07	Canalas maail.	VIIIA	11. 11. 11. 11. 11. 11. 12. 12. 12. 12.
141	11/12/20	13 13 33	36.10	13,000	64.76	Crestil asiat		interesting of a second state
12	11410/08	13-45.08	DARD THE	3,3 33	13.33	Contai anni.	0186	an and a set of the se
4.8	11/13/30	10.01.44	36.10	13,435	33.54	Consider manual	and the second s	01101010101010101020000
18	114,000	16.09.11	30.10	11.310	30.58	Canalai assail.	ARTU	NEW REAL PROPERTY CALLS

# **Error Message Info**

If there is a configuration error in the XML file created by the installation process, Figure 60 appears. Record the error and report it to the Gasboy Technical Services Help Desk for assistance in resolving.

### Figure 60: Error Message Information

Pailed to Load KML Pier System, X at System, XmLXmTextReader at System, XmLXmTextReader at System, XmLXmTextReader at System, XmLXmTextReader at System, XmLXmTextReader at System, XmLXmToader, Load at System, XmLXmToader, Load	I.XmException: An error occurre pl. Throw(Exception e) pl. Prow(Exception e) pl. ParseEnttyName() pl. ParseEnttyReference() pl. Read() de(Bodean skpOverWhitespac x:Sequence(XmIDocurrent parer mIDocument doc, XmReader rea d(XmReader reader) d(String Rienane) tData(Boolean loadToListBox),	ed while parsing EntityMamer Line 79, position 141. e) (Doc) ader, Boalean preserveWhitespace)
	OK )	

When reviewing the Event Log of the SiteOmat, you will see some messages such as acknowledging the swipe of a credit card... noted as CREDIT SERVER.

Event type	Antonn	ation		_		Anno refirs
Type '	Nr.	Dahr	TIME	Bource	Evert	Name
A Marn	30/00/11 27	11(13)10	17:36:19 Au	thorization	Preset fueling incomplete. Pump 5 Preset 50 000000	5
AWarn	300003122	11/13/10	17.34:31 Au	thurization	Preset fueling incomplete: Pump 9 Preset 258,000000	9
Debug.	300003120	11/13/10	1718;26Au	thorization	Acknowledge	Credit server
A Warn	200003115	0.0013010	11.17.46Au	thenzation	Preset fueling incomplete: Pump 5 Preset 250.000000	5
Alviarn	300003112	11/13/10	17 13:01 Au	thorization	Preset/geting incomplete Pump 9 Preset 258 000000	8
Ayuarn	300003107	114340	16:42:41:Au	tiorization	Preset fueling incomplete: Pump 5 Presel 78 b00000	5
AWsen	300000104	11/13/10	16:34:29:40	trianzation	Preset fueling incomplete Pump & Preset 70 000000	8
Ayuarn	101100000	11/13/10	16:09:43 Au	thorization	Preset fueling incomplete, Pump 5 Preset 250 000000	5
C Debug	300003100	11/13/10	10:09:16Au	therization	Acknowledge	Credit server
Awvarn	300003038	111300	15:09:11 Au	thorization	Preset fueling incomplete, Pump 1 Preset 400 000000	1
AWarn	300003095	000011	16.05:44.40	thorization	Preset fueling incomplete Pump 8 Preset 400 000000	6
6 Inform	300003082	11/13/10	16:01:46Au	thorization	Blocked mean WEBER, MARK	ORPT1
6 Inform	100003091	0.000	16,01:35Au	thenzation	Blocked mean WEBER_WARK	DBPT1
a intorm	300003090	11/13/10	16:01:26 Au	thorization	Blocked mean WEBER_MARK	ORPTI
Warn	300003088	THAT	15:57:3540	thorization	Preset fueling incomplete: Pump 5 Preset 250 000000	5
AWSP	300003083	11/13/10	15:21:49(40	Inorization	Preset fueling incomplete Pump 6 Preset 250 000000	8
AVarn	300000026	11/13/10	13:45:58 Au	thorization	Preset fueling incomplete Pump 5 Preset 250.000000	6
C Delug	300003077	11/13/18	19.46.13.40	thunzation	Acknowledge	<b>Credit server</b>
AWarn	300003076	11/13/10	13.45:08 Au	thorization	Preset fueling incomplete Pump 10 Preset 400 00000	10
Allaro	170100001071	11(12(1))	1341:02Au	therization	Preset fueling incomplete, Pump 5 Preset 250 000000	5
<li>Inform</li>	300003065	11/13/10	13.35:26 Au	thorization	Mitong PIN 09 for tag HARRISON BCDY SHOP entered	ORPT1
A Inform	300003084	0.061011	13:37:30 Au	Innization	Wrong PIN 00 for has HARRISON BODY SHOP entered	DRPT1
100 C 100	H] 1-5	1.9381				
	M Can	(1959)				

### Figure 61: Event Viewer

# **Debug Info**

## Log Files

FiPay keeps a detailed log of all transactions processed in the C:\WANSUPP\LOGS directory. Files are saved as "system.dayyyyymmdd" (for example, system.day20101113).

Figure 62: Log Files

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Mener	BOD Report 20101110120133	11/10/2010 12:01 AM	RPT File		1.68	
Winters / Philippe	EOD Report 20101111120129	11/11/2010 12:0LAM	RPT FM		1 48	
Recency changed	ECO Report 20101112120157	11/12/2010 12:01 AM	RPT File		1 88	
Searches	E00 Report 20101113120129	11/13/2010 12:01 AM	RPT File		1.80	
Public	ECD_Report_20101114120216	31/34/2010 12:02 AM	RPT File		118	
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	Fpay_GA1078705625701_20101108_000133	2 11/8/2010 12:01 AM	TOTEOD File		6 8/8	
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	system.day20101104	11/4/2010 8:50 PM	Text Document		918	
	system.day20101105	11/5/2010 6:12 PM	Text Document	5	9 KB	
	system.day20101105	11/6/2010 0:20 PM	Text Document		2108	
	system.day20101107	11/7/2010 2:10 PM	Text Document	5	4 105	
	system.day20101108	11/8/2010 7:07 PM	Test Document	. 4	61(8	
	system.day20101109	11/9/2010 4:10 PM	Text Document		7100	
	system day20101110	11/10/2010 7-45 PM	Text Document	3	618	
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MDE-4999A FiPay<sup>TM</sup> Payment Network Installation and Setup Instructions  $\cdot$  October 2012

### **Testing for HASP Key Operation**

If the software is run and the HASP key is present and working, you will see the following information in the "Hostappl.log" file.

### Figure 63: Software Information with HASP Key

<pre>InvalueDepting C:vMANUPP.incex.end MostAPPL : Start checking the MOST key (3:45:02.941 S-COMBAG MOSTAPPL : Start checking the MOST key (3:45:02.941 S-COMBAG MOSTAPPL : AUM Hacy Kay exists part the software protection succesfully MOSTAPPL : All Hacy Kay exists part the software protection succesfully (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.062 S-COMBAG MOSTAPPL : Replace mace IfFORMALDI with only '/ (3:45:03.067 S-COMBAG MOSTAPPL : Replace mace IMPONENTIAL only '/ (3:46:03.13,877 S-COMBAG MOSTAPPL : Replace mace IMPONENTIAL only '/ (3:46:03.13,877 S-COMBAG MOSTAPPL : Replace mace IMPONENTIAL only '/ (3:46:03.13,13,5COMBAG MOSTAPPL : Replace mace IMPONENTIAL only '/' (3:46:03.13,13,5COMBAG MOSTAPPL : Replace mace IMPONENTIAL only '/' (3:46:03.13,23,230,0000 MOSTAPPL : Replace mace IMPONENTIAL only '/' (3:46:03.13,23,230,0000 MOSTAPPL : Replace mace IMPONENTIAL only only '/' (3:46:03.13,23,230,0000 MO</pre>	9
.0:46:10:132 A-2000002 C2COM - NOSIAPPL + ICPCOM Starting yort-29181 \$Version-4.1.4185:22889 \$Release: 2811/87/29 81:48:18 PN Lond Starting a listemar for port 24988 Starting a listemar for purt 26899	

If the software is run without the HASP Key installed, you will see the following information in the "Hostappl.log" file (see Figure 64).

#### Figure 64: Software Information without HASP Key

```
C:\VANSUPP)fipaypincsx.cxc
10:45:27.300 S-300000 HOSIAPPL : Start checking the MOSP key...
XXX appending C:\VANSUPF\hasp_windows_74025.dll
10:45:27.394 S-300000 HOSIAPPL : Failed to check the Hasp Key. Error Code = ContainerNotFound
10:45:27.394 S-300000 HOSIAPPL : Failed for the software protection checking. Exiting.
C:\VANSUPP)_
```

### **Health Check Files**

The health check files are used to monitor the status of the individual processes/nodes. These files do not contain any data in them, we simply use them by looking at the modified date stamp. Each process updates its own health check file and if one fails to update in a given period of time, then that process or processes will be recycled/restarted. If you want to delete any of them, that process will restart and re-create the health check file.

📙 tmp								- 0 >
GO Comp	uter $\star$ Local Disk (C:) $\star$ wansupp $\star$	tmp +		•	Search			
Eile Edit View Iools Organize ★     View	Help vs ▼							
Eavorite Links	Name -	- Date	modified	+ Type	- Size	- Tags	+	
T dyonco Enno	TCPCOM1,health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
Documents	REFLSERV.health_check	11/1	4/2010 11:0	HEALTH	LCHECK	1 KB		
Pictures	NBSCRD.health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
Music	FIPINEFT.health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
Recently Changed	FIPCRED.health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
	FIPAYPIN.health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
j Searches	DIALPD1.health_check	11/1	4/2010 11:0	HEALTH	CHECK	1 KB		
Public	revtran	11/3	/2010 4:10 F	M File Fold	ler			

Figure 65: Health Check Files

# Appendix A: NACS/PCAT Product Reference Tab

Description	Code
Not Used	0
Motor Fuels	001-099
Unleaded Regular	001
Unleaded Plus	002
Unleaded Super	003
Unleaded 4	004
Unleaded 5	005
Unleaded Methanol (5.7% Blend)	006
Unleaded Plus Methanol (5.7% Blend)	007
Super Unleaded Methanol (5.7% Blend)	008
Unleaded Methanol (7.7% Blend)	009
Unleaded Plus Methanol (7.7% Blend)	010
Unleaded Ethanol (5.7% Blend)	011
Unleaded Plus Ethanol (5.7% Blend)	012
Super Unleaded Ethanol (5.7% Blend)	013
Unleaded Ethanol (7.7% Blend)	014
Unleaded Plus Ethanol (7.7% Blend)	015
Methanol/Leaded	016
Ethanol/Leaded	017
Leaded	018
Regular Diesel #2	019
Premium Diesel #2	020
Diesel #1	021
Compressed Natural Gas	022
Liquid Propane Gas	023
Liquid Natural Gas	024
M-85	025
E-85	026
Unleaded - Reformulated 1	027
Unleaded - Reformulated 2	028
Unleaded - Reformulated 3	029
Unleaded - Reformulated 4	030
Unleaded - Reformulated 5	031
Diesel Off-road (#1 and #2 Non-taxable)	032
Ultra Low Sulfur Diesel Off-road (Non-taxable)	033
Biodiesel Blend Off-road (Non-taxable)	034
Ultra Low Sulfur Biodiesel Blend Off-road (Non-taxable)	035
Racing Fuel	036
Super Unleaded Methanol (7.7% Blend)	037
Unleaded Methanol (10% Blend)	038
Unleaded Plus Methanol (10% Blend)	039

Description	Code
Super Unleaded Methanol (10% Blend)	040
Super Unleaded Ethanol (7.7% Blend)	041
Jnleaded Ethanol (10% Blend)	042
Jnleaded Plus Ethanol (10% Blend)	043
Super Unleaded Ethanol (10% Blend)	044
32 Diesel Blend 2% Biodiesel	045
35 Diesel Blend 5% Biodiesel	046
310 Diesel Blend 10% Biodiesel	047
311 Diesel Blend 11% Biodiesel	048
315 Diesel Blend 15% Biodiesel	049
320 Diesel Blend 20% Biodiesel	050
3100 Diesel Blend 100% Biodiesel	051
Jltra Low Sulfur #1	052
Jltra Low Sulfur #2	053
Jltra Low Sulfur Premium Diesel #2	054
Jltra Low Sulfur Biodiesel Blend 2%	055
Jltra Low Sulfur Biodiesel Blend 5%	056
Jltra Low Sulfur Biodiesel Blend 10%	057
Jltra Low Sulfur Biodiesel Blend 11%	058
Jltra Low Sulfur Biodiesel Blend 15%	059
Jltra Low Sulfur Biodiesel Blend 20%	060
Jltra Low Sulfur Biodiesel Blend 100%	061
DEF	062
Indefined Fuel-Reserved for PCATS Future Use	063-070
Indefined Fuel–Reserved for Proprietary Use	071-098
Miscellaneous Fuel	099
Automotive Products/Services	100-149
General Automotive Merchandise	100
Motor Oil	101
Car Wash	102
Dil Change	103
Dil Filter	104
Nork Order	105
Anti-freeze	106
Nasher Fluid	107
Brake Fluid	108
Tires	109
Federal Excise Tax (Tires)	110
Tire Rotation	111
Satteries	112
Lube	113
nspection	114
_abor	115
Towing	116

Description	Code
Road Service	117
Auto Accessories	118
Auto Parts	119
Preventative Maintenance	120
Air Conditioning Service	121
Engine Service	122
Transmission Service	123
Brake Service	124
Exhaust Service	125
Body Work	126
Automotive Glass	127
Synthetic Oil	128
Lamps	129
Wipers	130
Hoses	131
Tire-related (Wheel Balance, Valve Stem)	132
Repairs	133
Service Package	134
Automotive Parking	135
Truck Tank Cleaning	136
Other Lubricants	137
Automotive Fuel Additives/Treatment (Injected)	138
Vehicle Rental	139
Air Filter	140
Vehicle Prep	141
Fuel System	142
Undefined Parts/Service–Reserved for Proprietary Use	143-148
Miscellaneous Parts/Service	149
Aviation Fuels	150-174
Jet Fuel	150
Aviation Fuel Regular	151
Aviation Fuel Premium	152
Aviation Fuel JP8	153
Aviation Fuel 4	154
Aviation Fuel 5	155
Undefined Aviation Fuel–Reserved for PCATS Future Use	156-167
Undefined Aviation Fuel–Reserved for Proprietary Use	168-173
Miscellaneous Aviation Fuel	174
Aviation Products/Services	175-224
Storage	175
Aircraft Ground Handling	176
Aircraft Ground Power Unit	177
Aircraft Labor	178
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Aircraft Cleaning194Cargo Handling195Aircraft Accessories196Pilot Supplies197Aircraft Parking Fees198Aircraft Parking Fees199Aircraft Tiedown Fees200Aircraft Sanitation Fees200Aircraft Sanitation Fees201Undefined Aviation-Reserved for PCATS Future Use202-215Undefined Aviation-Reserved for Proprietary Use216-223Miscellaneous Aviation224Marine Fuels225-249Marine Fuel 1225Marine Fuel 2226Marine Fuel 3227Marine Fuel 4228Marine Fuel 5229Marine Fuel 5229Marine Fuel 5229Marine Fuel 5229Marine Fuel 6243-248Miscellaneous Marine Fuel249Marine Products/Services250-289Marine Labor251Marine Labor251Marine Work Order252Launch Fee253Silp Rental254Undefined Marine Services-Reserved for PCATS Future Use253-280Undefined Marine Services-Reserved for PCATS Future Use254Undefined Marine Services-Reserved for PCATS Future Use252-280Marine Work Order252Launch Fee253Silp Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for PCATS Future Use254Undefined Marine Services-Reserved for PCA	Communication Fee	193
Cargo Handling195Aircraft Accessories196Pilot Supplies197Aircraft Parking Fees198Aircraft Parking Fees199Aircraft Tiedown Fees200Aircraft Sanitation Fees200Aircraft Fuel Additive201Undefined Aviation-Reserved for PCATS Future Use202-215Undefined Aviation-Reserved for Proprietary Use216-223Miscellaneous Aviation224Marine Fuels225-249Marine Fuel 1225Marine Fuel 2226Marine Fuel 3227Marine Fuel 5229Marine Fuel 6230Undefined Marine Fuel-Reserved for Proprietary Use243-248Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use241-298Marine Marine Services-Reserved for PCATS Future Use </td <td>Aircraft Cleaning</td> <td>194</td>	Aircraft Cleaning	194
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Marine Fuel 1225Marine Fuel 2226Marine Fuel 3227Marine Fuel 3228Marine Fuel 4228Marine Fuel 5229Marine - Other230Undefined Marine Fuel-Reserved for PCATS Future Use231-242Undefined Marine Fuel-Reserved for Proprietary Use243-248Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Service250Marine Work Order251Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298	Marine Fuels	225-249
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Marine Fuel 3227Marine Fuel 4228Marine Fuel 5229Marine Fuel 5230Undefined Marine Fuel-Reserved for PCATS Future Use231-242Undefined Marine Fuel-Reserved for Proprietary Use243-248Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Service250Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use281-298Marine Services-Reserved for PCATS Future Use281-298Marine Marine Services-Reserved for Proprietary Use281-298	Marine Fuel 2	226
Marine Fuel 4228Marine Fuel 5229Marine - Other230Undefined Marine Fuel-Reserved for PCATS Future Use231-242Undefined Marine Fuel-Reserved for Proprietary Use243-248Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Service250Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298	Marine Fuel 3	227
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Marine - Other230Undefined Marine Fuel-Reserved for PCATS Future Use231-242Undefined Marine Fuel-Reserved for Proprietary Use243-248Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Service250Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298	Marine Fuel 5	229
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Miscellaneous Marine Fuel249Marine Products/Services250-299Marine Service250Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Miscellaneous Marine Services200	Undefined Marine Fuel-Reserved for Proprietary Use	243-248
Marine Products/Services250-299Marine Service250Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Marine Marine Services200	Miscellaneous Marine Fuel	249
Marine Service250Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Miscellessous Marine Services200	Marine Products/Services	250-299
Marine Labor251Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Missellessous Marine Services200	Marine Service	250
Marine Work Order252Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Misselleneous Marine Services200	Marine Labor	251
Launch Fee253Slip Rental254Undefined Marine Services-Reserved for PCATS Future Use255-280Undefined Marine Services-Reserved for Proprietary Use281-298Missellenceus Marine Services200	Marine Work Order	252
Slip Rental       254         Undefined Marine Services-Reserved for PCATS Future Use       255-280         Undefined Marine Services-Reserved for Proprietary Use       281-298         Missellenceure Marine Service       200	Launch Fee	253
Undefined Marine Services-Reserved for PCATS Future Use       255-280         Undefined Marine Services-Reserved for Proprietary Use       281-298         Missellessour Marine Services       200	Slip Rental	254
Undefined Marine Services-Reserved for Proprietary Use 281-298	Undefined Marine Services-Reserved for PCATS Future Use	255-280
Misselleneous Marine Carvies 200	Undefined Marine Services-Reserved for Proprietary Use	281-298
viscenaneous Marine Service 299	Miscellaneous Marine Service	299

Description	Code
Other Fuels	300-399
Kerosene - Low Sulfur	300
White Gas	301
Heating Oil	302
Bottled Propane	303
Other Fuel (Non-taxable)	304
Kerosene - Ultra Low Sulfur	305
Kerosene - Low Sulfur (Non-taxable)	306
Kerosene - Ultra Low Sulfur (Non-taxable)	307
Undefined Other Fuel-Reserved for PCATS Future Use	308-380
Undefined Other Fuel-Reserved for Proprietary Use	381-398
Miscellaneous Other Fuel	399
Merchandise	400-599
General Merchandise	400
General Ice	401
General Undefined-Reserved for PCATS Future Use	402-409
General Tobacco	410
Cigarettes	411
Tobacco - Other	412
Undefined Tobacco-Reserved for PCATS Future Use	413-417
Undefined Tobacco-Reserved for Proprietary Use	418-419
General Packaged Beverage	420
Packaged Beverages (non-alcoholic)	421
Juice	422
Other Packaged Beverages	423
Undefined Packaged Beverages-Reserved for PCATS Future Use	424-427
Undefined Packaged Beverages-Reserved for Proprietary Use	428-429
General Dispensed Beverage	430
Hot Dispensed Beverages	431
Cold Dispensed Beverages	432
Frozen Dispensed Beverages	433
Other Dispensed Beverages	434
Undefined Dispensed Beverages-Reserved for PCATS Future Use	435-437
Undefined Dispensed Beverages-Reserved for Proprietary Future	438-439
General Snacks	440
Salty Snacks	441
Alternative Snacks	442
Sweet Snacks - Packaged	443
Undefined Snacks-Reserved for PCATS Future Use	444-447
Undefined Snacks-Reserved for Proprietary Use	448-449
General Candy	450
Undefined Candy-Reserved for PCATS Future Use	451-457
Undefined Candy-Reserved for Proprietary Use	458-459

Description	Code
General Dairy	460
Fluid Milk Products	461
Packaged Ice Cream/Novelties	462
Other Dairy	463
Undefined Dairy-Reserved for PCATS Future Use	464-467
Undefined Dairy-Reserved for Proprietary Use	468-469
General Grocery	470
Groceries - Edible	471
Groceries - Non-Edible	472
Groceries - Perishable	473
Bread - Packaged	474
Frozen Foods	475
Undefined Grocery-Reserved for PCATS Future Use	476-477
Undefined Grocery-Reserved for Proprietary Use	478-479
General Alcohol	480
Beer - Alcoholic	481
Beer - Non-Alcoholic	482
Wine	483
Liquor	484
Undefined Alcohol-Reserved for PCATS Future Use	485-487
Undefined Alcohol-Reserved for Proprietary Use	488-489
General Deli	490
Packaged Sandwiches/Deli Products	491
Prepared Foods	492
Deli Items	493
Undefined Deli-Reserved for PCATS Future Use	494-497
Undefined Deli-Reserved for Proprietary Use	498-499
General Foodservice	500
Undefined Foodservice-Reserved for PCATS Future Use	501-507
Undefined Foodservice-Reserved for Proprietary Use	508-509
General Lottery	510
Lottery - Instant	511
Lottery - Online	512
Lottery - Other	513
Undefined Lottery-Reserved for PCATS Future Use	514-517
Undefined Lottery-Reserved for Proprietary Use	518-519
General Money Order	520
Money Order - Vendor Payment	521
Money Order - Payroll Check	522
Money Order - Gift Certificate	523
Money Order - Refund Check	524
Money Order - Official Check	525
Money Order - Rebate Check	526

Description	Code
Money Order - Dividend Check	527
Money Order - Utility Check	528
Undefined Money Order-Reserved for PCATS Future Use	529
General Store Service	530
Home Delivery	531
Prepaid Cards - Purchase	532
Prepaid Cards - Activation/Recharge	533
Membership/Loyalty	534
Undefined Store Services-Reserved for PCATS Future Use	535-537
Undefined Store Services-Reserved for Proprietary Use	538-539
General Health and Beauty Care	540
Undefined Health and Beauty Care-Reserved for PCATS Future Use	541-547
Undefined Health and Beauty Care-Proprietary Use	548-549
General Publications	550
Undefined General Publications-Reserved for PCATS Future Use	551-557
Undefined General Publications-Reserved for Proprietary Use	558-559
Undefined Merchandise-Reserved PCATS Future Use	560-590
Undefined Merchandise-Reserved Proprietary Use	591-599
Reserved for PCATS Future Use	600-799
Reserved for Proprietary Use	800-899
Negative Transactions	900-949
Discount 1	900
Discount 2	901
Discount 3	902
Discount 4	903
Discount 5	904
Coupon 1	905
Coupon 2	906
Coupon 3	907
Coupon 4	908
Coupon 5	909
Lottery Pay Out - Instant	910
Lottery Pay Out - Online	911
Lottery Pay Out - Other	912
Split Tender	913
Tax Discount/Forgiven	914
Undefined Negative-Reserved for PCATS Future Use	915-940
Undefined Negative-Reserved for Proprietary Use	941-948
Miscellaneous Negative Administrative	949
Administrative	950-999
Tax 1	950
Tax 2	951
Tax 3	952
Tax 4	953

Description	Code
Tax 5	954
Cash Back	955
Cash Back Fee	956
Fee 1	957
Fee 2	958
Fee 3	959
Fee 4	960
Fee 5	961
Miscellaneous Aviation Tax	962
GST/HST (Canadian)/VAT 1	963
PST/QST (Canadian) VAT 2	964
SWT Rate (Canadian)	965
Tax 6	966
Tax 7	967
Tax 8	968
Undefined Administrative-Reserved for PCATS Future Use	969-990
Undefined Administrative-Reserved for Proprietary Use	991-998
Miscellaneous Administrative	999

# **Appendix B: Running EPS Consolex GUI Utility**

Running EPS Consolex GUI Utility is an alternate way to configure the FiPay parameters. These features are automatically set up through the installation batch and usually must not be altered as there are many features that we do not use.

1 To create the "FiPAYpincs\_config.xml" configuration file for FiPAYPinCsx to function, you must run the EPS Console and start the service. FiPAYPinCsx takes the "FiPAYpincs\_def.cfg" file with your selections and merges it with the ones in the "FiPAYpincs\_config.template" file and creates "FiPAYpincs\_config.xml".

EPS Console is located in the "C:\wansupp\fipayconsole" folder.

### Figure 66: EPS Console Location

lame epsconsole.cfg "EP5Consolex.exe

**2** Double-click the "**EPSConsolex.exe**" file. The "EPSConsolex.exe" executes and following window appears (see Figure 67).

Figure 67: EPS Consolex Window

ed it 127.0.0.1:8800		
5:26:01.215 8-300010	HOSTAPPL :	at System_Net_Sockets_TopCli
entctor(String hostname 15:26:01.215 S-300010 inectTCPIP(String ipAddr, 15:26:01.215 S-300010 inectSocket(TcpClient iC1 (ype, Boolean fUseSSL, In 15:26:01.215 S-300010 inectSocket(TcpClient iC1 (ype, Boolean fUseSSL) 15:26:01.215 S-300010 inectSocket(String t_ipAd 15:26:01.215 S-300010 1Remote(Int32 modeix, St 12:26:01.215 S-300010 1Remote(Int32 modeix, St 12:26:01.215 S-300010	, Int32 port) HOSTAPPL : Int32 port, Int32 co HOSTAPPL : ient, String t_ipAddr t32 connectImeout) HOSTAPPL : ient, String t_ipAddr HOSTAPPL : to, String port, Stri HOSTAPPL : ring nodeld, String a HOSTAPPL : HOSTAPPL : ring nodeld, String a	at AJB.Console.TCPCommNv2.co onnectIimeout) at AJB.Console.TCPCommNv2.co r. String port, String[] TCPhandler at AJB.Console.TCPCommNv2.co r, String port, String[] TCPhandler at AJB.Console.TCPCommNv2.co ing[] TCPhandlerType, Boolean fUseS at AJB.Console.TCPCommNv2.Ca addr, Int32 portNum, String callu, surreturnNull) at AJB.Console.TCPCommNv2.Ca addr. Int32 portNum, String callu,
5:26:01.215 S-300010	HOSTAPPL :	at EPSConsole.Main.toolStrip
lenuIten1_Click() [5:26:01.215 &-300010	HOSTAPPL :	at EPSConsole.Main.ConnectEp
	Please	Create User/Id and Password for each level

**3** Click **OK** and then close the "Login Level Setup" window.

#### Figure 68: EPS Console Window

FIPAY Console: C:\w	ansupp\fip	yconsole					
Home View	Actions	Configuration	on Launch	Tools	System	Reporting	Windows Hel
Recent, Lögin Ha	t/ Check w Crind	Process List 5	Stop Star Service Servi Actions	Activate ce RTS	Incident	s Reporting	Init EOD Debit
Login Level Setup							
Level 0 - Initialize I	Debit Only		-				
Level 1							
User Account							
Password							
Level 2							
User Account	1		1				
Password							
Level 3							
User Account	1		1				
Password							
Level 4							
User Account							
Password							
Level 5							
User Account							
Password							
		-					

On the Home tab, you must see the Start Service button shown in Figure 69.

### Figure 69: Start Service



4 Click Start Service. Following window appears.

Figure 70: Service Successful Window



5 Click OK.

# **Appendix C: HASP Key Information**

### **HASP Key Driver Installation**

The FiPay upgrade or installation will load the HASP drivers. The script will automatically begin this process.

Sentinel® HASP keys provide hardware-based Advanced Encryption Standard (AES) 128-bit encryption protection against illegal or unauthorized use. The solution deters illegal access and execution of protected software.

### Figure 71: HASP Key Driver Installation



The Sentinel HASP-HL key is of the size of a small USB thumb-drive and is coded with a unique encryption key. This encryption key works only for one customer within the FiPay application (FipayPinCsx.exe).

FiPay is coded with a special Application Programming Interface (API) call that requires access to a Sentinel HASP-HL protection key to run. FiPay queries the Sentinel HASP protection key for predefined information. If the key is not present or the information returned is incorrect, FiPay will not execute and logs an error message in the "Hostppl.log" log file.

### **Required Files**

Following files are required to use a Sentinel HASP key with FiPay which are automatically included in the release package:

- Hasp\_net\_windows.dll (Located in FiPay folder)
- Hasp\_windows\_94025.dll (Located in FiPay folder)
- Haspdinst.exe (Device driver for HASP-HL key installed once)
- FipayPinCsx.exe (Hardcoded with AJB's unique license key)

### Compatibility

The driver provided is Sentinel HASP run-time environment installer - Version 5.86 and it is compatible with the following operating systems:

- Windows Server 2008 R2 and Windows Server 2003 R2
- Windows 7 Pro, Windows XP Pro, and Windows 2000

Note: Windows XP Embedded is not supported with this installer. Use the "SLD" file to install the Sentinel HASP run-time environment under Windows XP Embedded.

### **HASP Key Driver Installation Issues**

1 When running the FHO application and FiPay on the same PC, there is a possibility of the two HASP keys conflicting with one another.

If the following screen displays during the FiPay HASP installation, STOP all the four Orpak<sup>™</sup> services and restart the FiPay installation.

### Figure 72: Sentinel HASP Run-time Environment Installer Window



- **2** In some system configuration, there is a HASP key conflict when running both the FiPay HASP and FHO HASP keys. Following error message will display when accessing the Fleet Head Office.
- **3** This occurs when the Server/PC is restarted and both HASP keys are inserted. *Note: When this occurs the FHO is longer communicating to the SiteOmat.*
- **4** To fix this, shutdown the PC, unplug the FHO HASP, and start the PC. Re-insert the FHO HASP after the OS has loaded.



### Figure 73: SiteOmat Head Office Administration

MDE-4999A FiPay<sup>TM</sup> Payment Network Installation and Setup Instructions  $\cdot$  October 2012

# **Appendix D: Modem Initialization String Info**

Figure 74 shows the next few questions with reference to selection "2" and setting up a Modem Init string parameter that includes an ampersand character. For the INIT string including this character, remember that you must insert "amp;" before it as shown: AT&q6 will be AT&q6.

### Figure 74: Modem Initialization String Information

C:\Gilbarco_Inc_W03304-FiPay_Direct_Licenses_FipayPinV4_apar_12064v2.exe
Type of site configuration? 1 Abierto Router 2 Dial via Modem connection 3 Abierto Router with Dial Backup via Modem
Make a choice or hit ENTER to quit: 2
Enter the Terminal ID for this location (ie. 12345): GB1078123456101
Enter the port the modem is connected to (ie. 1, 2, 3, 4): 4
Enter the NBS Phone Number for connection without dashes (ie.: 11231231: 11231231234): 17647441077
Please enter the INIT string of the Modem: AT&q6
Enter the backup dial number for NBS without dashes (ie.: 11231231234 or 231234): 17647441077_

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