

Dover Fueling Solutions DX Fleet User Manual

Part Number: M3052

Revision: 5



DX Fleet

DFS *Worldwide* Brands



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Section 1 Introduction



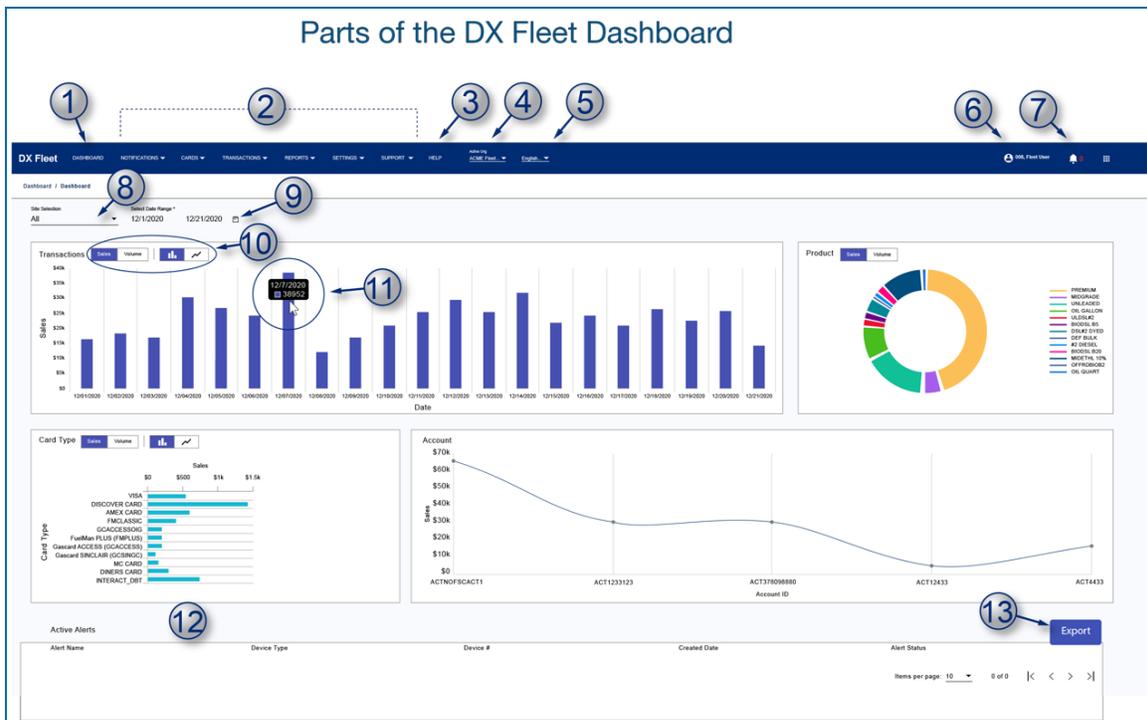
IMPORTANT: This manual reflects the layout of the menu structure from left to right. However, you must configure parameters in the menu items under "Settings" before you can proceed to use the other menu drop-downs.



DEPENDENCY: You will see this DEPENDENCY panel wherever there is a feature or functionality in one screen or menu item that requires an action in another screen or menu item to activate that feature or functionality. A cross-reference between the two is used for easy reference.

1.1 Dashboard

When you log in to DX Fleet, the **Network Dashboard** comes up as the Home Screen. The **Network Dashboard** gives the user an-at-a-glance view of important transaction information.



The image above shows the different parts you will find on the Dashboard.

The Main Menu (blue bar) at the top of the screen will show on all screens in the application.

1. Click the **Dashboard** link on the Menu Bar to return to the Dashboard from another screen in the application.
2. There are six (6) **Drop-down Menus** in the Main Menu Bar where data for Networks and Sites can be configured.
 - a. "Notifications" on page 19 is where Contacts and Contact Groups can be configured
 - b. "Cards Menu" on page 27 is where you will set up your Account, Driver and Vehicle records.
 - c. "Transactions" on page 47 is where you can define transaction details and set up data and file exports.
 - d. "Reports Menu" on page 57 contains selections to configure, schedule and download up to 21 pre-defined reports and up to 51 different Power BI reports.
 - e. The "Settings Menu" on page 75 is used to configure site and system parameters. Selections in the sub-menus can affect the information shown on other screens. Therefore, it is recommended to set up the parameters in the sub-menus under Settings before you proceed to the other menus.
 - f. The "Support Menu" on page 179 is only available on technician versions of this application and is used for onboarding and troubleshooting.
3. The **Help** selection will take you to a page where you can get access to help tools.
4. Use the **Active Org**(organization) drop-down to select the organization to be configured. An Active Org must be selected so that sites in the Site Selection drop-down (in #8 below) are populated.
5. Use the **Language** drop-down to select from English, Spanish or French.
6. This icon in the Main Menu bar shows the current logged-in **User**.
7. The "Bell" icon in the Main Menu bar shows **Alert Notifications** for the logged-in user (see "Alerts" on page 24). The number of Alerts will show and the drop-down will show links to the Alerts in the system.
8. Select a **Site** from the *Site Selection* drop-down to see at-a-glance information in the Dashboard for the selected site. Select **All** from the drop-down to show a composite of all sites in your Network. See the next section below for information on **Site Dashboards**.



REMINDER: An Active Org must be selected so that this drop-down can be populated (see #4 above).

9. Select a **Date Range** from the *Date Selector* to show the necessary data to be shown on the display.
10. Each of the Dashboard **Graphs** can be modified to show the type of data (Sales in dollars or Volume in gallons) or change the graph type (as a bar graph or line graph). The selected types show in **blue**.
11. Hover your mouse pointer over a data point on a graph to see the **value** of that data point.
12. If there are Active Alerts in the system they will show in the bottom panel of the display.
13. You can export the Active Alerts shown on the dashboard as either an Excel or CSV file (See "Export Button" on page 17).

1.2 Site Dashboard

The Site Dashboards show more information about the individual site in the top panel.

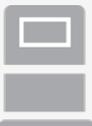


1. Select a **site** from the *Site Selection* drop-down. The page will refresh to show data applicable to the selected site.
2. Click the **Calendar** icon to select a **Date Range** to show the necessary data to be shown on the display.
3. The Site Status and Transaction Buffer status is shown in the top right of the panel
4. The Pump Status area shows the condition of pumps at the site. See the table below for more information on the color-coded icons for pumps.
5. The FIT (see "[Fuel Island Terminal](#)" on page 192) Status area shows the condition of FITs installed at the site. See the table below for more information on the color-coded icons for FITs.

1.2.1 Dashboard Pump Icon Table

Icon	Color	Status	Description
	Green (Up)	Ready	The pump is online and ready to authorize.
	Yellow (Up)	Calling	The pump is online. The pump handle is lifted on a non-authorized pump.
	Green (Down)	Authorized	The pump is online and authorized.
	Green (w/drop)	Dispensing	The pump is online, authorized and dispensing fuel.
	Yellow (Down)	Stopped	The pump is online but in a stopped condition (because of a time-out or maximum limit).
	Red	Sentry	The pump is online but shut down by the Pump Sentry.
	Red	Down	The pump is offline .
	Gray	Offline/Stopped	Edge offline, FSC offline, Service Engine stopped

1.3 Fuel Island Terminal (FIT) Icon Table

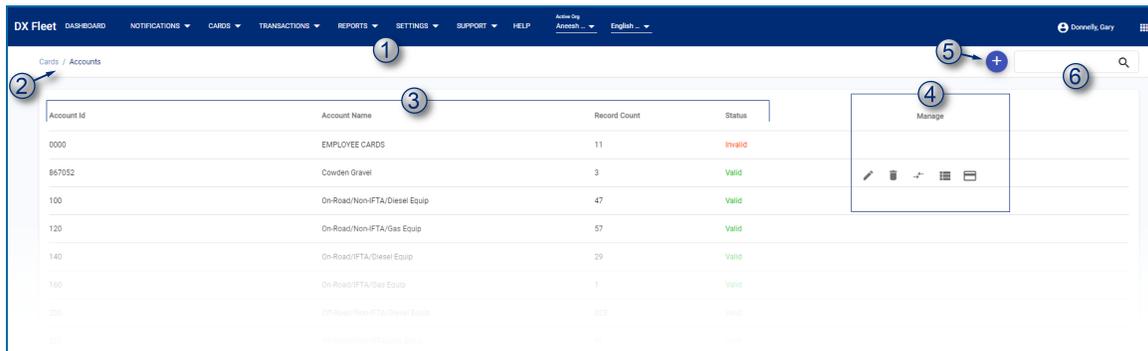
Icon	Color	Status	Description
	Blue	Normal/Ready	The terminal is online, ready to use with no errors.
	Yellow	Paper Low	The terminal is online. The receipt printer paper is low (where applicable).
	Red	<ul style="list-style-type: none"> » Paper Out » Paper Jam » Offline 	<ul style="list-style-type: none"> » The terminal is online. The receipt printer is out of paper (where applicable). » The terminal is online. A receipt printer paper jam has been detected (where applicable). » There is no communication with the terminal.
	Gray	Offline/Stopped	Edge offline, FSC (see "Fuel Site Controller" on page 192) offline, Service Engine stopped

1.4 User Interface

1.4.1 Screen Views

There are two (2) basic types of screens that the user will see. A Table View is an information-only screen that shows configured information in a table format. An Edit View is a screen with editable fields, drop-down selections and other controls that can be used to configure and edit the parameters on that screen.

1.4.1.1 Table View



Account Id	Account Name	Record Count	Status
0000	EMPLOYEE CARDS	11	Invalid
867052	Cowden Grave	3	Valid
100	On-Road/Non-FTA/Diesel Equip	47	Valid
120	On-Road/Non-FTA/Gas Equip	57	Valid
140	On-Road/FTA/Diesel Equip	29	Valid
160	On-Road/FTA/Gas Equip	1	Valid
200	On-Road/Non-FTA/Diesel Equip	23	Valid
220	On-Road/Non-FTA/Gas Equip	23	Valid

Table View: A Table View shows a summary of each configured record's information. These screens can also show applicable action buttons (see Screen Buttons below) for edits or to make a new record.

1. Main Menu Bar
2. Menu Path
3. Information Columns
4. Manage Icons: Applicable action icons for record rows will come into view when a row is selected or upon mouse hover. See below for more information on Manage icons.
5. Add Button: When this icon is available you can select the icon to go to a page to set up parameters for a new record.



NOTE: Add pages are the same as Edit pages however, there can be fields in some Edit pages that, once selected in its Add page, cannot be edited. This is typically because of a dependent parameter set up in another screen.

6. Search Field: The search field can be used to find information in the table based on information you know. As you type, the application will automatically begin to filter the results directly in the table.

Screen Buttons

The Table View screens can show different icons under the **Manage** column. Each icon has a "tool tip" that comes up when a mouse pointer hovers over that icon to explain what the icon is for. The most common icons are shown below.

Common Manage Icons

-  Edit
-  Delete
-  Validate/Invalidate
-  Latest Transaction/Latest Record
-  Show All Cards
-  Download
-  View
-  Login
-  Resend Cards
-  Start/Stop
-  Restart Edge
-  Save
-  Cancel

- **Edit:** Click the pencil icon to go to the edit screen for the selected record when this icon is available.



NOTE: Edit pages are the same as Add pages however, there can be fields in some Edit pages that, once selected in its Add page, cannot be edited. This is typically because of a dependent parameter set up in another screen.

- **Delete:** Click the trash can icon to delete the selected record when this icon is available.
- **Validate/Invalidate:** Click the forward/back arrow icon to validate or invalidate an account. A warning pop-up will show important messages. This icon shows on the Cards > Accounts and Cards > Driver/Vehicle Records pages.
- **Latest Transaction/Record:** Click the calendar icon to see the most recent record. This icon shows on the Cards > Accounts and Cards > Driver/Vehicle Records pages.
- **Show All Cards:** Click the Card icon to see all cards in an account. This icon shows on the Cards > Accounts page.
- **Download:** Click the download icon to download a file to your computer or device when this icon is available.
- **View:** Click this icon to see the complete record when this icon is available.
- **Login/Onboard:** Click this icon to go to prompts to log in to a device or onboard a site (onboarding is only available to technicians).
- **Resend Cards:** Use this icon to resend cards to the FSC3000. This icon is available on the Settings > Sites page.
- **Start/Stop:** This icon is used to start and stop the Service Engine for a selected site. A warning will pop up to ask if you want to stop the service engine. This icon is available on the Settings > Sites page.
- **Restart Edge:** Under Settings > Sites, use this icon to restart the Edge device. See "[Manage Icons](#)" on page 84.
- **Save:** When you are in the Edit Mode (after the edit icon has been selected under "Manage") in the Settings > Sites > Display Messages or the Settings > Sites > Display Prompts screen, you can click this Save icon to save a custom message or prompt.
- **Cancel:** When you are in the Edit Mode (after the edit icon has been selected under "Manage") in the Settings > Sites > Display Messages or the Settings > Sites > Display Prompts screen, you can click this Cancel icon to the original screen.

1.4.1.2 Add/Edit View

An Add/Edit View is used to enter new information to an existing record or to edit a current record. The image below shows the controls that you will most often see when you are in a screen's edit mode.

To enter an Add view, click the Add () icon at the top right of a Table View screen where applicable.

To enter an Add view, click the Edit () icon in the Manage column of a record row in a Table View.

Possible Edit Screen Controls

1 Text Entry Fields

Daily Allocation
10

Daily Allocation
10 I

Click in the field to activate

2 Drop-down

Quantity Restriction
20

Quantity Restriction

No Restriction
20
40
60
80
100

Click the arrow and make a selection from the drop-down

3 Slider Button

OFF

ON (option is active)

4 Radio Buttons (Single Selection)

Not Selected Selected

5 Check Boxes (Multiple Selection)

Selection 1 Selection 2

Selection 3 Selection 4

Selection 5 Selection 6

6 Date Selector

Click the Calendar Icon

3/25/2022

MAR 2022

S M T W T F S

MAR

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30 31

Use the controls on the drop-down to select a date

Edit View: Information is entered in fields and controls that include:

1. Text entry fields: Type information directly into these fields.
2. Drop-downs: Select an option from a drop-down field.
3. Slider buttons: These controls are used to activate an option.
4. Radio buttons: You can select a single option from a group of options.
5. check boxes: You can select multiple options from a group of options.
6. Date Range Selector: These controls let you select a date or date range

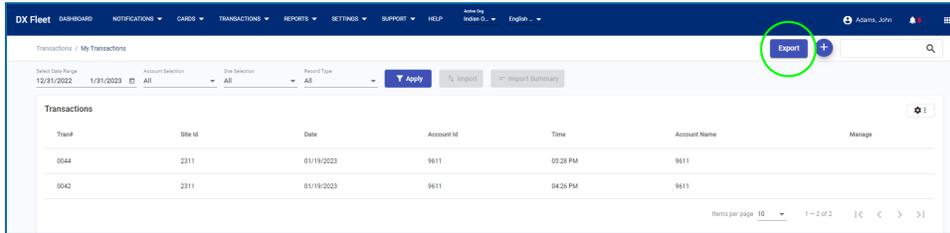
Required fields: Fields in **red** are required. You cannot save a record that has a blank required field.

Fields not available: Some fields are not available and are shown in gray and the cursor will change to a red circle and slash. These fields require a selection or action from another field or control. Alternatively, a field that is not available will not show a cursor when clicked. These fields are usually default values that cannot be changed.



NOTE: Edit View screens have a save button that let you save changes to your configuration.

1.4.2 Export Button



Select screens will have an **Export** button in the upper right of the screen near the search field. This has been added as a quick way to export data from those screens.

1. Click the **Export** button.
2. Select a **File Type** from the drop-down.
3. Click **Export**. A confirmation message will pop up to show that the exported file is ready for download.
4. Go to Reports > Downloads.
5. Select the **Export File** tab.
6. Look for the file you just requested.
7. Click the **Download icon** in the *Manage* column on the far right of the selected file. The file will be downloaded to your device.

The Export Button shows on the screens in the table below:

Dashboard	Notifications	Cards	Transactions	Settings
Active Alerts Panel	Contacts	Accounts	Transactions	Job Status
	Contact Groups	Driver/Vehicle Records	Export Data	Sites
	Alert History			Fuel Zones
				Audit Log

1.4.3 Customer Release Notification

When you log in to DX Fleet after a new release has been published, a message will come up that shows the latest updates to the application. You have two option buttons:

- **Read Later:** This will close this window but you can click the Notifications icon in the upper right of the Home screen to open the Release Notifications again.
- Click **Acknowledge** after you have reviewed the update list to close the window.



TIP: At the end of this manual you will find a listing of "Version Release Notes" on page 196. You will find the features that were updated for each release with internal cross-references that take you to the applicable section in this manual.

1.4.4 Session Expire Warning

When the application has been idle for 29 minutes a "Session Expire Warning" will pop up with a 60-second count-down timer. When the timer reaches 0 (zero), the session will time-out and the user will be logged out automatically. The message will ask, "...do you want to extend the session?" Select **OK** to extend or **Logout** to log out of the application immediately.

Section 2 Notifications



IMPORTANT: You must first set up parameters for your sites in the Settings menu before you can add Contacts and Groups.

The Notifications menu is where you set up:

- Contacts (see below)
- Contact Groups (refer to "Create Contact Group" on page 22)
- Alerts (refer to "Alerts" on page 24).
- Alert History (refer to "Alert History" on page 26).

2.1 Contacts

[Notifications > Contacts]

The table view shows contacts that have been configured.

Name	Company	Email	Phone #	Language	Manage
Ed Stark	NorthCor	ed.stark@northcor.com	1-123-654-7890	English	
Oscar Martell	Dorne Co.	omart@dorne.com	1-333-680-1200	English	
Jim Lannister	Landings Ind.	Jlan@LandingsIndustries.com	1-002-543-1357	English	
Pete Baelish	Littlefinger LLC	Baelish@LF.com	1-555-837-6309	English	
John Snow	Castleblack Corp.	John.snow@Castleblack.com	1-987-588-2300 ext 123	English	
Sandor Clegane	Clegane Bros.	hound@mountaincorp.com	1-222-321-9876	English	
Sam Tarley	Castleblack	Sam.tarley@Castleblack.com	1-987-588-2300 ext 124	English	
Jaq Highgar	Volantis Inc.	Jaq@Volinc.com	1-542-323-6578	English	

Click the **Add** (+) button next to the search bar to enter a *New Contact*.

To edit a Contact, select the Edit () icon in the far-right column of the applicable Contact Name to edit the Contact's edit screen will come into view.

Add/Edit information in the **Contacts** fields.

Notifications / Create Contact

Contact Details

1 Name

2 Company

3 Email

4 Phone #

5 Accept Text Messages

6 Language

7 Save Cancel



NOTE: Fields shown in **Red** below are required.

1. **Name:** Enter a Name (up to 50 alphanumeric or special characters).
2. **Company:** Enter the Company Name.
3. **Email:** Enter the User's email (up to 75 alphanumeric or special characters).
4. **Phone:** Enter the User's phone. Use up to 11 numeric characters or the US format X-XXX-XXX-XXXX. This field is required if the **Accepts Text Messages** slider (below) has been selected.



DEPENDENCY: To be set up to receive text messages in "Create Contact Group" on page 22, this phone must be able to receive SMS (Short Message Service, frequently referred to as a text message) messages.

5. **Accepts Text Messages:** Use this slider button to show that this user can accept SMS messages.
6. **Language:** Select from the drop-down (where applicable).
7. Click the **Save** button.

To Edit a record, click the **pencil icon** to go to the edit screen for the selected record. You can edit the same fields as above.

To Delete a record, click the **trashcan** icon to delete the selected record.

You can export the list of Contacts shown on the page as either an Excel or CSV file.

- Click the **Export** button in the upper-right of the "Contacts" panel. A dialogue box will open.
- Select a **File Type** from the drop-down.
- Click the **Export** button. A confirmation notice will come up to tell you when the exported file is ready for download.
- Go to the *Reports* tab and select **Downloads** from the drop-down.
- Select the "Export File" tab.
- Find the file to be downloaded (use the "Export Item" and "Created Date" columns to find the applicable file).
- Click the () **Download icon** to download the file to your computer or device.

2.2 Create Contact Group

[Notifications > Contact Groups]

Contact Groups can be set up from the list of available Contacts. These groups are useful if it is necessary to send a message or alert to all of the contacts of a selected group at one time.

The table view of the Contact groups screen shows Contact Groups that have been configured. Information shown is the Group Name and Entries (Contact email addresses).

To edit a Contact Group, select the Edit (✎) icon under the Manage column.

To Add a new Contact Group, lick the **Add** (+) icon in the top right of the screen.

The Add/Edit Contact Group screen will come into view.

- **Always send text messages to this group:** Use this slider button to show that this group can accept SMS messages.



DEPENDENCY: Messages can only be sent to contacts with a cell phone that can accept SMS text messages. This phone number must be set up in "Contacts" on page 19.

- Enter a **Group Name** (up to 30 alpha characters). This name will be used in Alerts and any other drop-downs where a Contact Group is available for selection.
- Select entries from the **Available Contacts** list box.



TIP: To select multiple contacts, hold the *Control* (Ctrl) key as you click each applicable contact in the list.

- Click **Add** to move the selected names over to the **Selected Contacts** list box.
- Click the **Save Contact Group** button.

If it is necessary to make changes to a full record for a Contact Group:

- To add entries from the **Available Contacts** list box:
 - Select entries from the **Available Contacts** list box.
 - Click **Add** to move the selected names over to the Selected Contacts list box.
- To remove entries from the **Selected Contacts** list box:
 - Select entries from the **Selected Contacts** list box.
 - Click **Remove** to move the selected names over to the Available Contacts list box.

Click the **Save** button.

You can export the list of Contact Groups shown on the page as either an Excel or CSV file.



DEPENDENCY: Contact Groups must be set up in this screen before they show as available selections in the "Contact Group" column drop-downs in "Alerts" on the next page.

- Click the **Export** button in the upper-right of the "Contact Groups" panel. A dialogue box will open.
- Select a **File Type** from the drop-down.
- Click the **Export** button. A confirmation button will come up to tell you when the exported file is ready for download.
- Go to the *Reports* tab and select **Downloads** from the drop-down.
- Select the **Export File** tab.
- Find the file to be downloaded (use the "Export Item" and "Created Date" columns to find the applicable file).
- Click the (↓) **Download icon** to download the file to your computer or device.

2.3 Alerts

[Notifications > Alerts]

The Alerts screen can be edited to set up specified **Alert** types, the Contact Group that is to receive the Alert (s) and the communication method (email and/or text message).

Alert	Contact Group	Email	Text Message	Email/SMS Notify After
<input type="checkbox"/> Receipt Low Paper	Dover	<input type="checkbox"/>	<input type="checkbox"/>	Immediate
<input type="checkbox"/> Receipt Paper Out	Dover	<input type="checkbox"/>	<input type="checkbox"/>	Immediate
<input type="checkbox"/> Receipt Paper Jam	Dover	<input type="checkbox"/>	<input type="checkbox"/>	Immediate
<input checked="" type="checkbox"/> FIT Down	Dover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Immediate
<input checked="" type="checkbox"/> Pump Offline	Anesh test group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Immediate
<input checked="" type="checkbox"/> Pump Sentry Activated	Dover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Immediate
<input checked="" type="checkbox"/> Edge Device Offline	Dover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Immediate
<input checked="" type="checkbox"/> FSC Offline	Dover	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Immediate

- Select an **Active Site** from the drop-down at the top of the screen.
- Select the slider button for each applicable **Alert**.
- Select a **Contact Group** from the drop-down where the Alert will be sent.



DEPENDENCY: Contact Groups must be set up in "Create Contact Group" on page 22 before they show as available selections in this drop-down.

- Select the slider button(s) to specify the communication method (**Email** and/or **Text Message**).
- **Email/SMS Notify After:** Select the applicable time (in 5 minute increments) from the drop-down list from Immediate to 30 minutes in five (5) minute increments (see "[Short Message Service, frequently referred to as a text message](#)" on page 194).
- When all applicable Alerts have been entered, click the **Save Changes** button to update the Alerts for the selected Active Site.

Below is a list of the available alerts:

Receipt Paper Low: The receipt paper sensor of the terminal has detected a low paper condition.

Receipt Paper Out: The receipt paper sensor of the terminal has detected a paper out condition.

Receipt Paper Jam: There is a paper jam in the receipt printer. Printer is down.

FIT Down: There is no communication with the terminal.

Pump Offline: There is no communication with a pump.

Pump Sentry Activated: This option stops the pump if three zero quantity transactions occur in a row. This could mean possible pump or pulser trouble.

Edge Device Offline: There is no communication with the Edge device.

FSC Offline: There is no communication with the FSC3000.

Transaction Buffer Near Full: The number of stored transactions has reached approximately 90% capacity.

Transaction Buffer Full, Site Down!: Stored transactions have reached capacity.

See "[Alert History](#)" on the next page under Notifications (Notifications > Alert History).

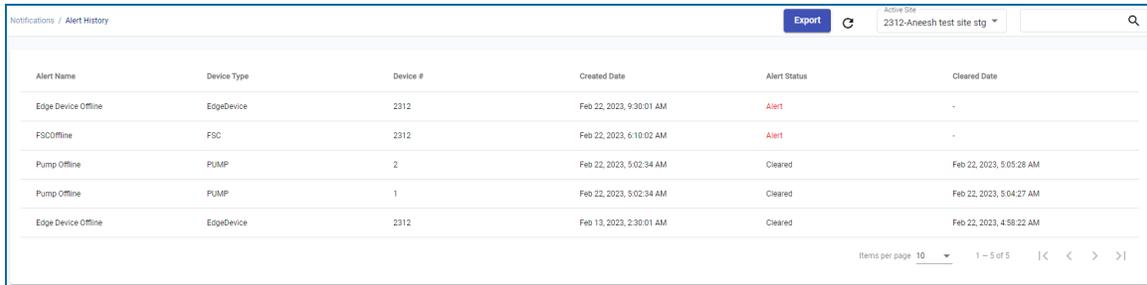
2.4 Alert History

[Notifications > Alert History]

This screen shows the status of Alerts.



NOTE: Alerts are sorted in descending chronological order from the most recent "Created Date" by default.



The screenshot shows the 'Alert History' page with a table of alerts. The table has columns for Alert Name, Device Type, Device #, Created Date, Alert Status, and Cleared Date. There are five rows of data. The first two rows show 'Alert' status, while the last three show 'Cleared' status. The interface includes an 'Export' button, a search bar, and a page indicator at the bottom right.

Alert Name	Device Type	Device #	Created Date	Alert Status	Cleared Date
Edge Device Offline	EdgeDevice	2312	Feb 22, 2023, 9:30:01 AM	Alert	-
FSCOffline	FSC	2312	Feb 22, 2023, 6:10:02 AM	Alert	-
Pump Offline	PUMP	2	Feb 22, 2023, 5:02:34 AM	Cleared	Feb 22, 2023, 5:05:28 AM
Pump Offline	PUMP	1	Feb 22, 2023, 5:02:34 AM	Cleared	Feb 22, 2023, 5:04:27 AM
Edge Device Offline	EdgeDevice	2312	Feb 13, 2023, 2:30:01 AM	Cleared	Feb 22, 2023, 4:58:22 AM

Select an **Active Site** from the drop-down at the top of the screen.

The Alert History for the selected site will show:

- The Alert Name (short description of the Alert)
- The applicable Device Type (FSC, Edge Device, FIT, Pump etc.)
- The applicable Device Number
- The date the Alert was created
- The current status of the Alert
- The date the Alert was cleared (if applicable)

You can export the Alert History list shown on the page as either an Excel or CSV file.

- Click the **Export** button in the upper-right of the "Active Alerts" panel. A dialogue box will open.
- Select a File Type from the drop-down.
- Select a **Date Range** from the *Date Selector*.
- Click the **Export** button. A confirmation notice will come up to tell you when the exported file is ready for download.
- Go to the Reports tab and select **Downloads** from the drop-down.
- Select the **Export File** tab.
- Find the file to be downloaded (use the "Export Item" and "Created Date" columns to find the applicable file).
- Click the () download icon to download the file to your computer or device.

Section 3 Cards Menu

This menu has the selections necessary to set up the card settings for sites. The topics in this section will include:

- "PCF Defaults" on page 1
 - "Account Defaults" on page 1
 - "Driver Defaults" on page 1
 - "Vehicle Defaults" on page 1
- "Accounts" on page 1
- "Driver/Vehicle Records" on page 1
- "Card Import" on page 46

3.1 PCF Defaults

Cards > PCF Defaults

In this menu selection you can set up the PCF (see "Proprietary Card File" on page 193) default settings for Account, Driver and Vehicle cards.

3.1.1 Account Defaults

[Cards > PCF Defaults > Account Default Settings]

The **Account Defaults** page has two (2) tabs:

- **Account Information** tab: Specify applicable Account related information.
- **Extended Prompts** tab: Specify applicable Extended Prompts related to the Account.

3.1.1.1 Account Information

The screenshot shows the 'Account Information' tab of the 'Account Defaults' settings page. The page title is 'Cards / PCF Defaults/Account Defaults'. There are two tabs: 'Account Information' (selected) and 'Extended Prompts'. The 'Account Details' section contains the following fields:

- Product Restrictions:** A dropdown menu with 'No Restrictions' selected.
- Quantity Restrictions:** A dropdown menu with 'No Restrictions' selected.
- Daily Allocation:** An empty text input field.
- Monthly Allocation:** An empty text input field.
- Expiration Date:** A toggle switch is turned on, with a date field showing '12/31/2060' and a calendar icon.

A 'Save' button is located at the bottom right of the form.

- **Product Restriction:** This option lets you limit the fuel type(s) dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Product Restriction" on page 155 (Settings > System Configuration > Restrictions > Product Restriction) setup screen.

- **Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Quantity Restriction" on page 156 (Settings > System Configuration > Restrictions > Quantity Restriction) setup screen.

- **Daily Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card in a single 24-hour period, from midnight to 11:59 p.m.
- **Monthly Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card each month, from midnight of the first day of the month to 11:59 p.m. on the last day of the month.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157 for more information.

- **Expiration Date:** This option lets you select a date when the card will expire and no longer be operational within the Fuel Site Controller. Use the slider button to enable this option. Select an **Expiration Date** from the *Date Selector*.

Click the **Save** button to save this configuration.

3.1.1.2 Extended Prompts Tab



DEPENDENCY: The Extended Prompts tab is only available when Prompt Sequence is selected under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157.

Cards / PCF Defaults/Driver Defaults

Driver Information	Extended Prompts		
Prompt For	Verified	Verified Entry	Prompt Order
<input type="checkbox"/> A - Refer/Offroad (Y/N)?	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> B - Odometer	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> C - Trip # / Job #	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> D - Loyalty Card Number / Enter Tiered Account	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> E - User ID/PIN	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> F - Driver ID	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> G - Vehicle ID	<input type="checkbox"/>	Verified Entry	<input type="text"/>

The extended prompts tab on each of the Accounts, Driver and Vehicle pages lets the user configure up to 8 prompts for entry against all driver and vehicle records related to the account.

Use the slider button to select up to eight (8) prompts in the *Prompt For* column.

Three (3) of the eight (8) selected prompts can be configured for prompt verification. When the Verified slider button is enabled, the user **MUST** enter a verified entry value that the FSC3000 can then confirm.

Prompt Order: Select from the drop-down to configure the prompt order.

Click the **Save** button to save this configuration.

3.1.2 Driver Defaults

The **Driver Defaults** page has two (2) tabs:

- **Driver Information** tab: Specify applicable Driver related information.
- **Extended Prompts** tab: Specify applicable Extended Prompts related to the Driver.

3.1.2.1 Driver Details

The screenshot shows the 'Driver Defaults' page with the 'Driver Information' tab selected. The 'Driver Details' section contains the following fields and controls:

- Driver #:** Text input field containing 'D-'.
- Record Status:** Drop-down menu with 'Valid' selected.
- FSC Presented Media #1 (Magstripe, Chipkey, RFID/Tag, Keyboard Entry):** Text input field containing '1234'.
- Monthly Allocation:** Text input field containing '100'.
- Daily Allocation:** Text input field containing '50'.
- Fuel Zone:** Drop-down menu with 'TEST' selected.
- Card operates as Single Entry:** Slider button (checked).
- Prompt for Misc Entry:** Slider button (checked).
- Prompt for Odometer Entry:** Slider button (unchecked).
- Save:** Button in the bottom right corner.

- **Account configured controls will be used to manage this record:** When this slider button is enabled, all field labels shown below with a red asterisk (*) will be turned off. The related Account based controls will be used as an alternative.
- **Driver Number:** Enter up to 24 alphanumeric characters. This is used as a record in transaction reports.
- **Record Status:** Select from the drop-down. a Record Status of Valid shows that this record can get fuel. All other values in the drop-down will set a record to Invalid.
- **Presented Media 1:** A value related to a Driver/Vehicle Record used to authorize a transaction. Enter up to 19 alphanumeric characters.
- **Presented Media 2:** A secondary value related to a Driver/Vehicle Record used to authorize a transaction. Enter up to 19 alphanumeric characters.



DEPENDENCY: A second Presented media is only be available when "Use two different media devices for driver/vehicle record authorization" is selected in Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157for more information.

- ***Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Quantity Restriction" on page 156 (Settings > System Configuration > Restrictions > Quantity Restriction) setup screen.

- ***Product Restriction:** This option lets you limit the fuel type(s) dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Product Restriction" on page 155 (Settings > System Configuration > Restrictions > Product Restriction) setup screen.

- ***Monthly Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card each month, from midnight of the first day of the month to 11:59 p.m. on the last day of the month.
- ***Daily Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card in a single 24-hour period, from midnight to 11:59 p.m.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157for more information.

- ***Expiration Date:** This option lets you select a date when the card will expire and no longer be operational within the Fuel Site Controller. Use the slider button to turn this option on. Select an **Expiration Date** from the *Date Selector*.

Fuel Zone: Select from the drop-down. This setting tells DX Fleet the sites this record can get fuel from. When a card update is flagged for this record it will be sent/updated to all sites with the assigned fuel zone.



DEPENDENCY: For the Fuel Zone to be populated, Fuel Zones must be configured under Settings > Fuel Zones (see "Fuel Zones" on page 172).

Select one or more of the slider buttons for:

- Card Operates as Single Entry



DEPENDENCY: This control is only available when "Allow use of Single Entry under Dual Entry" is enabled under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157

- Prompt for Misc Entry: tells the Fuel Site Controller to prompt for a miscellaneous keyboard entry. FIT display message #29 will appear at the Fuel Island when the Card is swiped with this switch setting.
- Prompt for Odometer Entry

Click the **Save** button to save this configuration.

3.1.2.2 Extended Prompts Tab



DEPENDENCY: The Extended Prompts tab is only available when Prompt Sequence is selected under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157.

The extended prompts tab on each of the Accounts, Driver and Vehicle pages lets the user configure up to 8 prompts for entry against all driver and vehicle records related to the account.

Use the slider button to select up to eight (8) prompts in the *Prompt For* column.

Three (3) of the eight (8) selected prompts can be configured for prompt verification. When the Verified slider button is enabled, the user **MUST** enter a verified entry value that the FSC3000 can then confirm.

Prompt Order: Select from the drop-down to configure the prompt order.

Click the **Save** button to save this configuration.

3.1.3 Vehicle Defaults

The **Vehicle Defaults** page has two (2) tabs:

- **Vehicle Information** tab: Specify applicable Vehicle related information.
- **Extended Prompts** tab: Specify applicable Extended Prompts related to the Account.

3.1.3.1 Vehicle Details

- **Account configured controls will be used to manage this record:** When this slider button is enabled, all field labels shown below with a red asterisk (*) will be turned off. The related Account based controls will be used as an alternative.
- **Vehicle Number:** Enter up to 24 alphanumeric characters. This is used as a record in transaction reports.
- **Record Status:** Select from the drop-down. a Record Status of Valid shows that this record can get fuel. All other values in the drop-down will set a record to Invalid.

- **FSC Presented Media 1:** A value related to a Driver/Vehicle Record used to authorize a transaction. Enter up to 19 alphanumeric characters.
- **Presented Media 2:** A secondary value related to a Driver/Vehicle Record used to authorize a transaction. Enter up to 19 alphanumeric characters.



DEPENDENCY: A second Presented media is only be available when "Use two different media devices for driver/vehicle record authorization" is selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157 for more information.

- ***Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Quantity Restriction" on page 156 (Settings > System Configuration > Restrictions > Quantity Restriction) setup screen.

- ***Product Restriction:** This option lets you limit the fuel type(s) dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Product Restriction" on page 155 (Settings > System Configuration > Restrictions > Product Restriction) setup screen.

- ***Monthly Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card each month, from midnight of the first day of the month to 11:59 p.m. on the last day of the month.
- ***Daily Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card in a single 24-hour period, from midnight to 11:59 p.m.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157 for more information.

- ***Expiration Date:** This option lets you select a date when the card will expire and no longer be operational within the Fuel Site Controller. Use the slider button to turn this option on. Select an **Expiration Date** from the *Date Selector*.

Fuel Zone: Select from the drop-down. This setting tells DX Fleet the sites this record can get fuel from. When a card update is flagged for this record it will be sent/updated to all sites with the assigned fuel zone.



DEPENDENCY: For the Fuel Zone to be populated, Fuel Zones must be configured under Settings > Fuel Zones (see "Fuel Zones" on page 172).

Select one or more of the slider buttons for:

- Card Operates as Single Entry



DEPENDENCY: This control is only available when "Allow use of Single Entry under Dual Entry" is enabled under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157

- Prompt for Misc Entry
- Prompt for Odometer Entry

Click the **Save** button to save this configuration.

3.1.3.2 Extended Prompts Tab



DEPENDENCY: The Extended Prompts tab is only available when Prompt Sequence is selected under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157.

The extended prompts tab on each of the Accounts, Driver and Vehicle pages lets the user configure up to 8 prompts for entry against all driver and vehicle records related to the account.

Use the slider button to select up to eight (8) prompts in the *Prompt For* column.

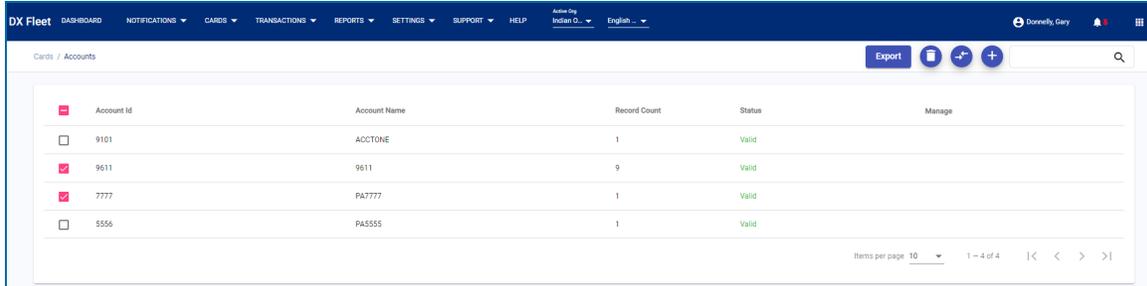
Three (3) of the eight (8) selected prompts can be configured for prompt verification. When the Verified slider button is enabled, the user **MUST** enter a verified entry value that the FSC3000 can then confirm.

Prompt Order: Select from the drop-down to configure the prompt order.

Click the **Save** button to save this configuration.

3.2 Accounts

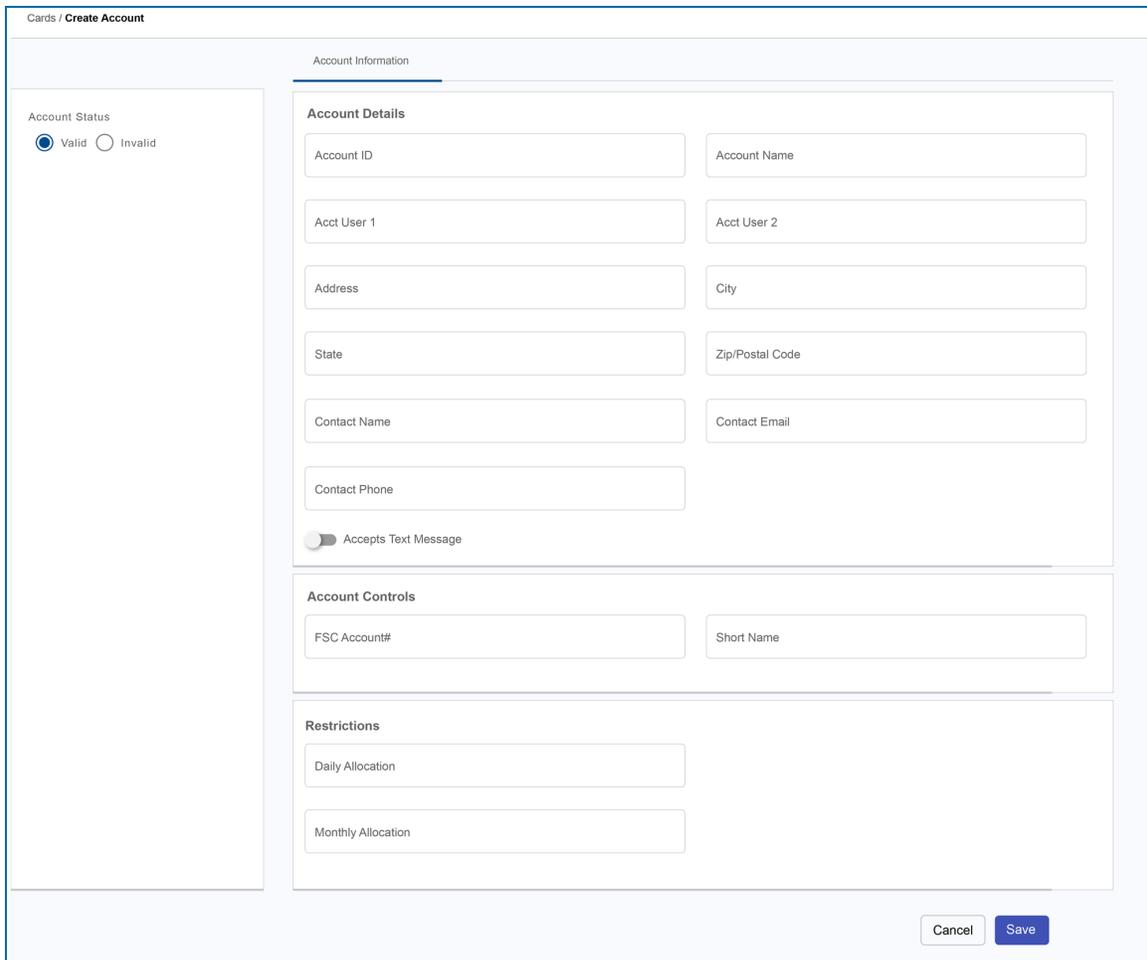
[Cards > Accounts]



The screenshot shows a table view of configured accounts. The table has columns for Account ID, Account Name, Record Count, Status, and Manage. There are four rows of data, each with a checkbox in the Account ID column. The status for all accounts is 'Valid'.

Account ID	Account Name	Record Count	Status	Manage
<input type="checkbox"/> 9101	ACCTONE	1	Valid	
<input checked="" type="checkbox"/> 9611	9611	9	Valid	
<input checked="" type="checkbox"/> 7777	PA7777	1	Valid	
<input type="checkbox"/> 5555	PA5555	1	Valid	

This Table View shows a summary of configured **Accounts** and related **Cards**.



The screenshot shows the 'Create Account' form. It is divided into several sections: Account Status, Account Details, Account Controls, and Restrictions. The Account Status section has radio buttons for 'Valid' (selected) and 'Invalid'. The Account Details section contains input fields for Account ID, Account Name, Acct User 1, Acct User 2, Address, City, State, Zip/Postal Code, Contact Name, Contact Email, and Contact Phone. There is also a toggle switch for 'Accepts Text Message'. The Account Controls section has input fields for FSC Account# and Short Name. The Restrictions section has input fields for Daily Allocation and Monthly Allocation. At the bottom right, there are 'Cancel' and 'Save' buttons.

To set up a new **Account**:

Click the **Add** (+) button. The "Create Account" screen will come into view.

3.2.1 Create Account

- **Account Status:** Select the applicable radio button (Valid, Invalid). If set to Invalid, all cards below this card are not permitted to fuel. An error of "Account Invalidated" will show.
- The **Expiration Date** controls are used to activate and configure the expiration date sent to the FSC3000. when it is configured here, all new accounts will be set with this entry as their current value.

To set an **Expiration Date**:

- Set the Expiration Date slider to the **On** position.
- Select a date from the **Date Selector** field.

The **Create Account** screen has two (2) tabs:

- **Account Information** tab: Specify applicable Account related information.
- **Extended Prompts** tab: Specify applicable Extended Prompts related to the Account.

3.2.1.1 Account Information Tab

Account Details

- **Account ID:** Enter from 3-50 alphanumeric or special characters (the minimum is 3 characters).
- **Account Name:** Enter the name of the Account or the Merchant customer that will use PCF (see "Proprietary Card File" on page 193) management. This field will accept up to 50 alphanumeric or special characters.
- **Account User 1:** Enter the applicable name in this field. The field will accept up to 30 alphabetic characters as well as '-' (en dash) and ',' (comma).
- **Account User 2:** Enter the applicable name in this field. The field will accept up to 30 alphabetic characters as well as '-' (en dash) and ',' (comma).
- **Address:** Enter the Account address.
- **City:** Enter the applicable city in this field. The field will accept up to 30 alphabetic characters as well as '-' (en dash) and ',' (comma).
- **State:** Enter the State.
- **Zip/Postal Code:** Enter the applicable code. The field will accept up to 10 alphanumeric characters as well as '-' (en dash).
- **Contact Name:** Enter the applicable name in this field. The field will accept up to 30 alphabetic characters as well as '-' (en dash) and ',' (comma).
- **Contact Email:** Enter up to 50 alphanumeric or special characters.
- **Contact Phone:** Enter an applicable phone number. The field will accept up to 18 numeric characters as well as "+" (plus sign) and '-' (en dash/minus sign).
- **Accepts Text Messages:** Enable this slider button if text messages can be sent to the Mobile/Cell phone number above.

Account controls

- **FSC Account #:** Enter the FSC Account number in this field.

- **Short Name:** Enter a Short Name for the account (up to nine [9] characters).

Restrictions

- **Daily Allocation:** Enter an applicable number in gallons.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157 for more information.

- **Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction. Select a value from the drop-down if applicable.



DEPENDENCY: The selections are specified in "Quantity Restriction" on page 156 (Settings > System Configuration > Restrictions > Quantity Restriction) setup screen.

- **Monthly Allocation:** Enter an applicable number in gallons.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157 for more information.

- **Product Restriction:** Select from the drop-down. The selections are specified in the "Product Restriction" on page 155 (System Configuration > Restrictions > Product Restriction) setup screen.



DEPENDENCY: The selections are specified in "Product Restriction" on page 155 (Settings > System Configuration > Restrictions > Product Restriction) setup screen.

3.2.1.2 Extended Prompts Tab



DEPENDENCY: The Extended Prompts tab is only available when Prompt Sequence is selected under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157.

Cards / PCF Defaults/Driver Defaults

Driver Information Extended Prompts

Prompt For	Verified	Verified Entry	Prompt Order
<input type="checkbox"/> A - Refer/Offroad (Y/N)?	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> B - Odometer	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> C - Trip # / Job #	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> D - Loyalty Card Number / Enter Tiered Account	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> E - User ID/PIN	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> F - Driver ID	<input type="checkbox"/>	Verified Entry	<input type="text"/>
<input type="checkbox"/> G - Vehicle ID	<input type="checkbox"/>	Verified Entry	<input type="text"/>

The extended prompts tab on each of the Accounts, Driver and Vehicle pages lets the user configure up to 8 prompts for entry against all driver and vehicle records related to the account.

Use the slider button to select up to eight (8) prompts in the *Prompt For* column.

Three (3) of the eight (8) selected prompts can be configured for prompt verification. When the Verified slider button is enabled, the user **MUST** enter a verified entry value that the FSC3000 can then confirm.

Prompt Order: Select from the drop-down to configure the prompt order.

Click the **Save** button to save this configuration or **Cancel** to return to the Table View.

3.2.2 Manage Column

The Manage Column contains five (5) buttons for actions that can be done for Accounts.

-  Edit the Account. Use the same procedure as above for a new Account.
-  Delete the Account.
-  Validate/Revalidate Account.
-  Latest Transaction. Select this icon to see a table that shows the latest transactions for the selected Account.
-  Show All Cards. Select this icon to see a table that shows all cards for the selected account.

3.2.3 Card Management

Account Id	Account Name	Record Count	Status	Manage
<input type="checkbox"/>	9101	ACCTONE	1	Valid
<input checked="" type="checkbox"/>	9611	9611	9	Valid
<input checked="" type="checkbox"/>	7777	PA7777	1	Valid
<input type="checkbox"/>	5555	PA5555	1	Valid

New for Revision 4 is the *Card Management* feature. This feature lets you Delete or Validate/Re-validate multiple Account records.

1. The far left column shows check boxes for each record listed. Select all applicable records in this column for one of the actions.
2. When selections are made in the check box column, icons for Delete and Validate/Re-validate will come into view in the toolbar to the left of the Add button. Select the correct icon for the applicable action that will affect all selected Account records.

3.3 Driver/Vehicle Records

Cards > Driver/Vehicle Records

Record#	Name	Account	Short Name	Type	Status	Manage
V-789868	vName	No Associated Account	vCard	V	Valid	
1212	p112	PA5555	SNp112	D	Valid	
88887	p187	PA7777	SNp488887	D	Valid	
4567	4567	ACCTONE	SN4567	D	Valid	
StageTestID	StageTestName	ACCTONE	SN	D	Valid	
1111	ONE	9611	SNONE	D	Valid	
2222	TWO	9611	TWO	D	Valid	
3333	THREE	9611	THREE	D	Valid	
5555	FIVE	9611	FIVE	D	Valid	
6666	SIX	9611	SIX	D	Valid	

This Table View shows a summary of configured **Driver/Vehicle Records**.

To configure a new **Record**:

Click the **Add (+)** button. The Create Driver/Vehicle Record screen will come into view.

1. **Select Card Type:** Select a radio button to define a Driver or Vehicle record.
2. The **Expiration Date** controls are used to activate and configure the expiration date sent to the FSC3000. When it is configured here, all new accounts will be set with this entry as their current value.

To set an **Expiration Date**:

- Set the Expiration Date slider to the **On** position.
- Select a date from the **Date Selector** field.



DEPENDENCY: The Expiration Date option is only available when selected in Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157 for more information.

3. **Record Status:** Select from the drop-down. a Record Status of Valid shows that this record can get fuel. All other values in the drop-down will set a record to Invalid.
4. **PIN (Security PIN):** This numeric field is the PCF (see "Proprietary Card File" on page 193) Personal ID Number (PIN) (see "Personal Identification Number" on page 193) field. Enter a numeric value up to 23 characters.



DEPENDENCY: The PIN (Security PIN) option is only available when selected in Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157 for more information.

5. **Allow Misc Entry:** This tells the Fuel Site Controller to prompt for a miscellaneous keyboard entry. FIT display message #29 will appear at the Fuel Island when the Card is swiped with this switch setting.
6. **Use Second Language:** The FSC3000 can be "bi-lingual" to show or print two different languages. A Language Type is programmed into all cards. When the card is read, the FIT display language changes to the programmed language. Some receipts can also be programmed to print out in the specified language.
7. Card Operates as Single Entry



DEPENDENCY: This control is only available when "Allow use of Single Entry under Dual Entry" is enabled under Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157

8. Allow Odometer Entry



DEPENDENCY: When this is selected, the *Odometer* field in the *Restrictions* panel (see below) will be available.



DEPENDENCY: If Odometer Reasonability (see "Reasonability" on page 193) has been turned on under Settings > System Configuration > Define Card Record, (see Odometer Reasonability option "System Configuration" on page 153) this control will show in the ON position but "grayed-out." (to indicate that this control is locked). See "Define Card Record" on page 157 for more information.



NOTE: When this control is active and locked, you must enter the vehicle's current odometer value in the *Odometer* field (under Card Information > Restrictions below) to enable Odometer Reasonability at the Fuel Island Terminal. To skip the odometer prompt at the terminal, delete the odometer entry in this field.

The **Create Driver/Vehicle Records** screen has two (2) tabs:

- **Card Information** tab: Specify applicable Driver/Vehicle and Account related information.
- **Extended Prompts** tab: Specify applicable Extended Prompts related to the Account.

3.3.1 Card Information Tab

Driver/Vehicle Details

9. **Account configured controls will be used to manage this record:** When this slider button is enabled, all field labels shown below with a red asterisk (*) will be turned off. The related Account based controls will be used as an alternative.
10. **Driver/Vehicle ID:** Enter up to 24 alphanumeric characters. This is used as a record in transaction reports.
11. **Driver/Vehicle Name:** Enter up to 50 alphanumeric or special characters as a name for the Driver/Vehicle record above.
12. **Card User 1 / 2:** Enter alphanumeric or special characters for one or both *Card User* fields.
13. **FSC Presented Media #1 :** A value related to a Driver/Vehicle Record used to authorize a transaction. Enter the applicable numeric characters.
14. **FSC Presented Media #2:** A value related to a Driver/Vehicle Record used to authorize a transaction. Enter the applicable numeric characters.



DEPENDENCY: A second Presented media is only be available when "Use two different media devices for driver/vehicle record authorization" is selected in Settings > Edit System Configuration > Define Card Record. See "Define Card Record" on page 157for more information.

Account Controls

15. **Account Selection:** Select from the drop-down list of configured Accounts.
16. **Short Name:** Enter the applicable alphanumeric characters.

Restrictions

17. ***Daily Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card in a single 24-hour period, from midnight to 11:59 p.m.
18. ***Monthly Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card each month, from midnight of the first day of the month to 11:59 p.m. on the last day of the month.



DEPENDENCY: Allocation options are only available when selected in Settings > Edit System Configuration > Define Card record. See "Define Card Record" on page 157 for more information.

19. **Odometer:** Enter the applicable numeric value.



DEPENDENCY: This field is active only when the Allow Odometer Entry slider (see above) is selected.

20. ***Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Quantity Restriction" on page 156 (Settings > System Configuration > Restrictions > Quantity Restriction) setup screen.

21. ***Product Restriction:** This option lets you limit the fuel type(s) dispensed for each transaction. Select from the drop-down.



DEPENDENCY: The selections are specified in "Product Restriction" on page 155 (Settings > System Configuration > Restrictions > Product Restriction) setup screen.

22. **Fuel Zone:** Select from the drop-down. This setting tells DX Fleet the sites this record can get fuel from. When a card update is flagged for this record it will be sent/updated to all sites with the assigned fuel zone.

Click the **Save** button to save this configuration.

3.3.1.1 Extended Prompts Tab

The screenshot shows a configuration page titled "Cards / PCF Defaults/Driver Defaults". It features two tabs: "Driver Information" and "Extended Prompts", with the latter being the active tab. The page contains a table with the following columns: "Prompt For", "Verified", "Verified Entry", and "Prompt Order". There are eight rows, each representing a different prompt type. Each row has a toggle switch for "Prompt For", a "Verified" toggle switch, a text input field for "Verified Entry", and a dropdown menu for "Prompt Order".

Prompt For	Verified	Verified Entry	Prompt Order
<input type="checkbox"/> A - Refer/Offroad (Y/N)?	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> B - Odometer	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> C - Trip # / Job #	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> D - Loyalty Card Number / Enter Tiered Account	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> E - User ID/PIN	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> F - Driver ID	<input type="checkbox"/>	Verified Entry	
<input type="checkbox"/> G - Vehicle ID	<input type="checkbox"/>	Verified Entry	

The extended prompts tab on each of the Accounts, Driver and Vehicle pages lets the user configure up to 8 prompts for entry against all driver and vehicle records related to the account.

Use the slider button to select up to eight (8) prompts in the *Prompt For* column.

Three (3) of the eight (8) selected prompts can be configured for prompt verification. When the Verified slider button is enabled, the user **MUST** enter a verified entry value that the FSC3000 can then confirm.

Prompt Order: Select from the drop-down to configure the prompt order.

Click the **Save** button to save this configuration.

3.3.1.2 Maintenance Tab

The screenshot shows the 'Maintenance' tab with the following sections:

- Oil**
 - Warning Limit: Send alert on warning limit
 - No Fuel Limit: Send alert on No Fuel Limit, Invalidate card on No Fuel Limit
- Tire Rotation**
 - Warning Limit: Send alert on warning limit
 - No Fuel Limit: Send alert on No Fuel Limit, Invalidate card on No Fuel Limit
- Trans Fluid**
 - Warning Limit: Send alert on warning limit
 - No Fuel Limit: Send alert on No Fuel Limit, Invalidate card on No Fuel Limit
- Coolant / Anti Freeze**
 - Warning Limit: Send alert on warning limit
 - No Fuel Limit: Send alert on No Fuel Limit, Invalidate card on No Fuel Limit
- Brake Repair**
 - Warning Limit: Send alert on warning limit
 - No Fuel Limit: Send alert on No Fuel Limit, Invalidate card on No Fuel Limit
- Alert**
 - Select contact group:

Buttons: Cancel, Update

The Maintenance tab can be used to set up a periodic maintenance schedule for five (5) important service items. For each item you can set a:

- **Warning Limit:** This is the mileage when each item must be done. Enter an **odometer value** for the individual vehicle for each item in the text field.
- **No Fuel Limit:** This is when the vehicle is overdue for the scheduled item and should be taken in for service before it can be permitted to get fuel. Enter an **odometer value** for the individual vehicle for each item in the text field.
 - **Invalidate card on No Fuel Limit:** To go an extra step to make sure maintenance stays on schedule, the card used to fuel the vehicle can be invalidated so that the vehicle must be taken in for service before it can get fuel. Select the **check-box** for each applicable item.
- Alerts for Warning limits and No Fuel Limits can be set for each maintenance item.
 - Select the **check-box** for the item to send an alert.
 - Select the **Contact Group** to receive the alert(s) from the *Alert* drop-down at the bottom of the page.

Select the **Update** button in the lower right of the screen to save this configuration.

3.4 Card Import

Cards > Card Import

This screen shows instructions on how to import cards into the DX Fleet application.

DEPENDENCY: You must program the items that follow before you continue.

"Accounts" on page 35: Cards Menu > Accounts

"Sites" on page 84: Settings Menu > Sites

"Fuel Zones" on page 172: Settings Menu > Fuel Zones

"Tank" on page 89: Settings Menu > Site > Tanks

"Products" on page 153: Settings Menu > System Configuration > Products

"Restrictions" on page 155: Settings Menu > System Configuration > Restrictions > Product and Quantity Restrictions > Product Restrictions tab.

When each of these items is complete you can go back to the Card Import screen and do the steps to import cards into the DX Fleet application.

Cards / Card Import

Follow each step below. If you need to repeat a step.

Step 1: Be sure you have programmed all of the following. If you have not, then exit this screen and return when you have completed the task.
A. Accounts B. Sites C. FuelZones D. Tanks E. Products F. Product Restrictions

Step 2: Download the card template excel file to your PC by clicking on the download button.

Step 3: Insert upto 10000 unique cards into excel file

Step 4: Select the Choose file button to locate the modified file.

Step 5: Start the import process by clicking on the Upload icon.

System will import the file and perform error checking on all data. Repeat steps 3-5 as many times as necessary.

Download Choose File Upload 

Processed Files	Card Import Status
CardImportTest.xlsx 	CardImportTest.pdf 
Card_import (4).xlsx 	Card_import (4).pdf 
Card_import_StgTest1st.xlsx 	Card_import_StgTest1st.pdf 
Card_import new test 1.xlsx 	Card_import new test 1.pdf 
Card_import new test.xlsx 	Card_import.txt 
Card_import.xlsx 	Indian Oil Invalid.pdf 

Section 4 Transactions

From this menu, users can look up and see fueling transactions and configure customized export transaction reports. The topics in this section will include:

- Transactions (see below)
- "Export Data" on page 50
- "Custom Export" on page 52
- "Export TRN File" on page 54
- "Reprice" on page 55
- "TRN Download" on page 56

4.1 My Transactions

Transactions > My Transactions

The screenshot shows the 'My Transactions' interface. At the top, there are filter controls: 'Select Date Range' (1/3/2023 to 4/14/2023), 'Account Selection' (All), 'Site Selection' (All), and 'Record Type' (All). There are buttons for 'Apply', 'Import', and 'Import Summary'. An 'Export' button with a plus sign and a search icon are also visible. Below the filters is a table with the following columns: Trans#, Site Id, Date, Account Id, Time, Account Name, and Manage. The table contains 9 rows of transaction data. At the bottom right, there is a pagination control showing 'Items per page: 10' and '1 - 6 of 6'.

Trans#	Site Id	Date	Account Id	Time	Account Name	Manage
0071	2312	02/22/2023		04:35 PM		
0063	2311	02/01/2023	9611	01:41 PM	SN0611	
0062	2311	02/01/2023	9101	01:41 PM	SNACSTONE	
0065	2311	02/01/2023	5556	02:12 AM	SNP0555	
0064	2311	02/01/2023	7777	02:12 AM	SNPA7777	
0061	2311	02/01/2023	5556	02:06 AM	SNP0555	
0044	2311	01/19/2023	9611	05:28 PM	9611	
0042	2311	01/19/2023	9611	04:26 PM	9611	

This Table View gives filter options so a user can see a specified transaction history. There are two methods to use to find applicable information:

- Use the **Search** box to search for table data based on the available column headers.
- Use the Filter Controls.
 - Select a **Start** and **End** date from the *Select Date Range* Date Selectors.
 - Select an Account from the **Account Selection** drop-down.
 - Select a Site from the **Site Selection** drop-down.
 - Select a **Record Type** from the drop-down
 - Click the **Apply** button.

Click the **Add** (+) button to set up the Transaction Details screen parameters.

The screenshot shows a 'Create Transaction' form with the following fields and callouts:

- 1: Site ID (dropdown)
- 2: Transaction # (text input)
- 3: Transaction Date (date selector)
- 4: Time (time selector)
- 5: Sequence # and Termination Code (dashed box around text inputs)
- 6: Account ID (dropdown)
- 7: Driver/Single Record ID (dropdown)
- 8: Vehicle Record ID (dropdown)
- 9: Pump # (dropdown)
- 10: Hose # (dropdown)
- 11: Product ID (dropdown)
- 12: Misc (text input)
- 13: Odometer Entry (text input)
- 14: Price Per Unit (text input)
- 15: Quantity (text input)
- 16: Total (text input, currently showing '0')

Buttons for 'Save' and 'Cancel' are located at the bottom right of the form.



TIP: To edit a Transaction, select the Edit (✎) icon in the Manage column of the row of the Transaction to be edited.



NOTE: Fields shown in **Red** below are required.

1. Select a **Site ID** from the drop-down (Site IDs are given during the onboarding process).
2. Give the transaction a number in the **Transaction #** field (the chronologically numbered transaction for the fueling site).
3. Select a **Transaction Date** from the *Date Selector*.
4. Select a **Time** from the *Time Selector*.
5. Enter the applicable information for **Sequence #** and **Termination Code**.
 - The Sequence # is the day sequence number that is assigned to each transaction. This number resets daily to track the order in which transactions occurred (were completed) on a specific day.
 - The Termination Code is a letter that indicates how a transaction ended, normally or abnormally (if abnormally, in what way, i.e. Bad Odometer, Bad Card, User Entry Timeout, etc.).



INFORMATION: See the termination Codes table in the Transactions Management section of the M00-051.00 3000 Command-Line Configuration Manual.

6. Select an **Account ID** from the drop-down. The *Account Name* will automatically populate.



NOTE: The *Account Name* is populated automatically when an **Account ID** is selected.

7. Select a **Driver/Single Record ID** from the drop-down.



NOTE: *Driver Name* and *Driver Single Media Presented* will automatically populate when a **Driver/Single Record** is selected.

8. Select a **Vehicle Record ID** from the drop-down (if applicable).



NOTE: *The Vehicle Name* and *Vehicle Media Presented* will automatically populate when a **Vehicle record ID** is selected.

9. Select a **Pump #** (the pump [dispenser] used during the fueling transaction.) from the drop-down.
10. Select a **Hose #** (the pump hose that is used during the fueling transaction) from the drop-down.
11. Select the applicable **Product ID** (The product type that was dispensed during the fueling transaction).
12. Enter a **Misc:** Miscellaneous Keyboard is a generic prompt that can be presented during fueling to collect any numeric entry required. These field labels can be programmed to help identify the value entered.
13. **Odometer Entry:** This field reflects a vehicle's odometer reading entered during the transaction. Odometer entries are used to calculate the distance traveled between fueling stops.
14. Enter the **Price Per Unit:** The price charged per gallon of product dispensed during the transaction.
15. Enter the **Quantity:** The amount of fuel dispensed during the transaction.
16. The **Total** field will populate automatically. This is the total sales value for a recorded transaction (calculated as Price Per Unit X Quantity above).

Click the **Save** button to save this configuration (*Edit Transaction* when in the edit screen of a configured transaction) or **Cancel** to return to the Table View.

4.2 Export Data

Transactions > Export Data

The screenshot shows the 'Transactions / Export Data' form. It includes the following fields and controls:

- 1. Site (drop-down menu)
- 2. Select Account (drop-down menu)
- 3. Include Network Transactions (checkbox)
- 4. Include Manually Entered Transactions (checkbox)
- 5. Exported to fleet? (checkbox)
- 6. Standard Export Type (radio button)
- 7. Custom Export Type (radio button)
- 8. Export File Type (drop-down menu)
- 9. Export Status (drop-down menu)
- 10. Export Date Format (drop-down menu)
- 11. Export Time Format (drop-down menu)
- 12. Start Date (calendar icon)
- 13. Start Time (time picker)
- 14. End Date (calendar icon)
- 15. End Time (time picker)
- 16. Export button



NOTE: Fields shown in **Red** below are required.

The **Export Data** page under "Transactions" will let you export transaction data to a selected file type.

1. Select a **Site** from the drop-down.
2. Select an **Account** from the drop-down.
3. Select the applicable option slider buttons:
 - **Include Network Transactions:** This option can be selected when it is necessary for the exported data to be included with Network-authorized transactions. Under normal export conditions, only PCF-based transactions (cards managed by DX Fleet) are exported.
 - **Include Manually Entered Transactions:** This option can be selected when it is necessary for the exported data to include transactions that have been entered manually.
 - **Exported to Fleet:** Select this option to keep transactions from a second export when the "Never Exported" status is selected (see below). This is an important option when data is exported that will be imported into a Fleet Maintenance package that cannot filter out duplicate transaction data.
4. Select a **radio button** for *Standard Export Type* or *Custom Export Type*.



NOTE: If you select *Standard Export Type*, the **Export File Type** drop-down (shown below) will be populated with available file types.



DEPENDENCY: To use the *Custom Export Type*, you must have a custom export file set up in the "Create Custom Export" screen. Select the **Custom Export** option in the Transactions menu. Refer to "Transactions" on [page 47](#) for more information.

5. Select an **Export Status** from the drop-down:
 - **Never Exported:** You can only get information for transactions that have *not* been exported before.
 - **Previously Exported:** You can only get information for transactions that have been exported before.
 - **Both/All:** All transactions will be exported.
6. Select an **Export File Type** from the drop-down. When the *Standard Export Type* radio button has been selected, this drop-down shows the available selection of file types in DX Fleet (see above). To use the *Custom Export Type*, you must have a custom export file set up in the "Create Custom Export" screen. Select the **Custom Export** option in the Transactions menu. Refer to "[Transactions](#)" on [page 47](#) for more information.
7. Select an **Export Date Format** from the drop-down.
8. Select an **Export Time Format** from the drop-down.
9. Select a **Start Date, Start Time** and **End Date, End Time** from the *Date and Time Selectors*. If these are not selected, the current date and time are the defaults.
10. Click the **Export** button to complete the file export. When the report is complete you will get a "Report Generated Successfully" message and the report will automatically download to your machine.

4.3 Custom Export

Transactions > Custom Export



DEPENDENCY: The "Custom Export" Table View will show all customized export files that can be used to select a *Custom Export Type* in the "Export Data" screen. See "Export Data" on page 50.

To set up a new Custom Export Type:

Click the **Add (+)** button to set up the Custom Export Type parameters.



NOTE: Fields shown in **Red** below are required.

- Enter a **File Name** that you want to use as a name for this Custom Export File in the field.
- Select a **File Format** from the drop-down (XML, Excel, CSV or Text).
- Select from the **Available** items in the left side panel to populate your file. Use the Select and Sort buttons shown below to make your Custom Export item list.

Select and Sort Buttons

	Move the selected item(s) in the Available panel to the Selected panel.		Move the selected item(s) UP one level in the Selected list.
	Move all items in the Available panel to the Selected panel.		Move the selected item(s) to the TOP of the Selected list.
	Move the selected item(s) in the Selected panel to the Available panel.		Move the selected item(s) DOWN one level in the Selected list.
	Move all items in the Selected panel to the Available panel.		Move the selected item(s) to the BOTTOM of the Selected list.



TIP: Hold the CTRL key on your keyboard to select more than one item.

- When you have completed your *Custom Export File* item list, click **Save**. Your *Custom Export File* will show in the Custom Export Table View. Your file can be selected as a *Custom Export Type* option in the *Export File Type* drop-down of the "Export Data" screen.



TIP: To edit a Custom Export Type in the Table View, select the Edit () icon in the Manage column of the row of the applicable Custom Export Type to be edited.

4.4 Export TRN File

You can customize a TRN (Transaction) Export file in this screen.

The screenshot shows the 'Export TRN File' interface. At the top, there are date selectors for 'Start Date' (4/18/2022) and 'End Date' (4/18/2023), a 'Site ID' dropdown, and two checked checkboxes: 'Include Manual Transactions' and 'Include ZERO Quantity Transactions'. Below this is a 'Display Fields' section with a grid of 16 checkboxes, all of which are checked. A 'Create' button is located below the display fields. At the bottom, there is a table with one row of data and a 'Download' icon.

Start Date	End Date	Sites	Trans Headers	Include ZERO Quantity Transactions	Include Manual Transactions	Export Date	Status	Download
04/14/2022	04/16/2023	9113,500,2..._abcdefghijklmnop		true	true	04/17/2023	Success	

- Select a **Start** and **End** date from the *Date Selectors*.
- Select a **Site** from the *Site ID* drop-down.
- To include **Manual Transactions** in the export file, put a check the box.
- To include **Zero Quantity Transactions** in the export file, put a check the box.
- Select all applicable **Display Fields** to be included in the export file.
- Click the **Create** button. The system will collect the data. The results will show in the table below the *Display Fields* selections.
- Click the **Download** () icon to download the file.

4.5 Reprice

The *Reprice* feature under FSC Transactions allows transactions for the selected accounts and date range to be "Repriced."

Transactions / Reprice

Select Date Range: 4/18/2023 - 4/18/2023 Site Search Accounts

Account ID	Name
<input type="checkbox"/>	No Associated Account
<input type="checkbox"/>	9101 ACCTONE
<input type="checkbox"/>	9611 9611
<input type="checkbox"/>	7777 PA7777
<input type="checkbox"/>	5555 PA5555

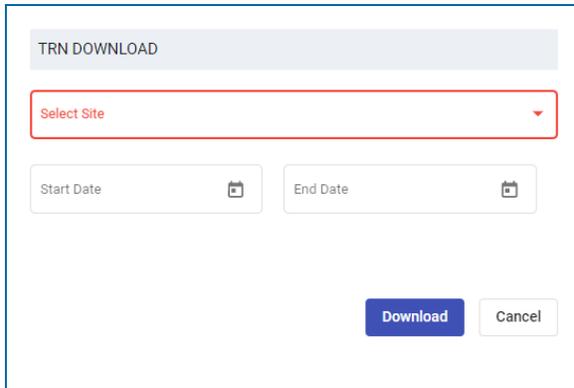
Set amount for each product to reprice		
01 UNLEADED 7.500	02 PREMIUM 1.000	03 MID-GRADE 1.000
04 US DILK 1.000	05 #1 DIESEL 1.000	06 #2 DIESEL 1.000
07 DILK/DIED 1.000	08 OFF RD DIL 1.000	09 OFFRD B2D 1.000
10 BIODIL B2D 1.000	11 OIL GUAPT 1.000	12 OIL GALLON 1.000
13 ULDETH10% 1.000	14 KEROSENE 1.000	15 PROPANE 1.000
16 UNDETH10% 1.000	17 NOTDEFINED 1.000	18 NOTDEFINED 1.000
19 PREETH10% 1.000	20 NOTDEFINED 1.000	21 NOTDEFINED 1.000
22 FUEL 2000	23 UNDEFINED	24 UNDEFINED

Clear Reprice

- Click on the **Date Range** field. There are seven (7) options that can be selected for a date range. If **Custom Range** is selected, start and end *Date Selectors* will come into view where the user can enter a customized date range.
- You can select the applicable accounts in two ways.
 - Enter an **Account ID** or account **Name** in the *Search* field. Suggested results will filter in the *Account List* as you type.
 - Use the check boxes along the left side of the *Account List* to select applicable accounts one at a time. To select all Accounts in the list, use the check box next to *Account ID*.
 - To select all accounts in the list, put a check in the box next to the *Account ID* header. All accounts in the list will be selected.
- When all applicable Accounts have been selected, set an amount for each product to reprice in the panel on the right side of the screen.
- Click **Reprice** to change the selected prices for the selected Accounts. Select **Clear** to remove the reprice information from the product selections.

4.6 TRN Download

Download the transactions file for a selected site and date range in this screen.



- Select a **Site** from the drop-down.
- Select a **Start Date** and **End Date** from the *Date Selector*.



NOTE: The date range must be less than or equal to 30 days.

- Click **Download** to download the Transaction file to your machine.

Section 5 Reports Menu

The Reports Menu contains four (4) items:

- Reports: In this screen you can make 21 common reports.
- Scheduler: This screen lets you set up recurring events for:
 - Report Options
 - Export Data
- Downloads: This screen lets you download reports.
- Power BI Reports: Reports can be quickly generated through the Microsoft Power BI (Business Intelligence) Service. These reports use the most frequently used data parameters for each report type.

5.1 Reports

Reports > Reports



NOTE: Fields shown in **Red** below are required.

To Generate a Report:

- Select the radio button for the applicable report from the panel on the left side of the screen.
- Select the required options from the fields in the right panel of the screen for the applicable report. All options are required (shown in **red** below).
- Click the **Request Report** icon in the lower left corner of the page to make the report.
- When the report is ready you will see a confirmation message that reads, "Success. Report generation is in progress! Please navigate to the Downloads page to generate the report." Refer to "[Downloads](#)" on page 61.

Available Reports

The Reports screen shows 21 of the most common reports that can be generated.

- **Activity Detail by Driver (Card1):** The report shows detailed driver-card transactions by Employee Number. The report lists the Date and Time of the transactions, the Transaction Number, Site ID, Vehicle Tag, Short Name, Account number, Odometer entry, Product ID, Pump and Hose ID, Miscellaneous keyboard entry information, Price (per gallon), Quantity and the total monetary Amount of the transactions. Totals for number of Transactions, Total Quantity and Amount for each Employee number are shown below each entry. Grand Totals for number of Transactions, Total Quantity and Amount are shown at the end of the report. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Card #** and **Ending Card #** from the drop-down fields.
- **Activity Detail by Vehicle (Card2):** The report shows detailed driver-card transactions by Vehicle ID. The report lists the Date and Time of the transactions, the Transaction Number, Site ID, Vehicle Tag, Short Name, Account number, Odometer entry, Product ID, Pump and Hose ID, Miscellaneous keyboard entry information, Price (per gallon), Quantity and the total monetary Amount of the transactions. Totals for number of Transactions, Total Quantity and Amount for each Employee number are shown below each entry. Grand Totals for number of Transactions, Total Quantity and

Amount are shown at the end of the report. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Card #** and **Ending Card #** from the drop-down fields.

- **Activity Detail by Account for Driver (Card1):** This report groups transactions by Account Number, then by Driver card. The sort is by Driver (Employee) Number. The report also shows the total number of transactions for individual cards. Transactions are listed in ascending, chronological order by Date and Transaction Number. The report shows information on transactions based on the account and its related cards. The report lists the Date and Time of the transactions, the Transaction Number, Employee Number, Site ID, Site Short Name, Odometer entry, Product ID, Pump and Hose ID, Miles per Gallon, Distance, Miscellaneous keyboard entry information, Price (per gallon), Quantity and the total monetary Amount of the transactions. Totals for Accounts and Cards show below each Account entry. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.
- **Activity Detail by Account for Vehicle (Card2):** This report groups transactions by Account Number, then by Vehicle card. The sort is by Vehicle Number. The report also shows the total number of transactions for individual cards. Transactions are listed in ascending, chronological order by Date and Transaction Number. The report shows information on transactions based on the account and its related cards. The report lists the Date and Time of the transactions, the Transaction Number, Employee Number, Site ID, Site Short Name, Odometer entry, Product ID, Pump and Hose ID, Miles per Gallon, Distance, Miscellaneous keyboard entry information, Price (per gallon), Quantity and the total monetary Amount of the transactions. Totals for Accounts and Cards show below each Account entry. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.
- **Product Totals by Site:** This report lists product usage in a year-at-a-glance format. The report is sorted by product ID and shows product volume totals on a month-by-month basis for each site. A grand total of product usage for the year is also shown. Select a **Year**, then a **Starting Product ID** and **Ending Product ID** from the drop-down fields.
- **Pump Totals by Site:** This report lists total transactions and product volume by Pump and Hose and is sorted by ascending site number. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Network Transactions by Card Type:** This report shows Transactions for Card Types by Site ID. The report shows Card Type, Date, Time, Card number, Price (per gallon), Quantity and the total monetary Amount of the transactions. . Totals are shown for Card Type and Site and a Total Summary for all sites. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Network Transactions by Site:** This report is sorted first by Site ID, then Account and finally by Card Type. The report shows Date & Time, Transaction Number, Product and Pump/Hose ID, Card Number and Authorization Number, Account and Trace Number, Entry #1-6, Price (per gallon), Quantity and the total monetary Amount of the transactions. Totals for Card Type, Account and Site are shown at the end of the report. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Odometer Exceptions:** This report lists all transactions that have been flagged with bad odometer data. The report lists the Date and Time of the transactions, Transaction Number, Vehicle Tag and Name, Employee number and Name, Odometer entry, Reason why it was flagged for a bad odometer and the total quantity of the product. There are no options to select for this report.
- **Incomplete Transactions:** This report is sorted by Record ID and shows a *Reason for failure*. The records are listed in order by date and time. The report shows Site ID and Transaction Number, Product ID and Pump/Hose ID, Employee Number and Vehicle Tag, Account Number and Termination Code, PPG (Price per Gallon) and Quantity and Transaction Total and Odometer. Select a **Date** and **Time** range from the *Date and Time Selectors*.



NOTE: For more information about Termination Codes see [M00-051.00 FSC3000 Command-Line Configuration](#).

- **Activity Detail Report by Site for Driver:** This report groups transactions first by Site ID, then in ascending chronological order by Driver ID. The report gives detailed information on Date and Time of transaction, Transaction Number, Vehicle ID, Account, Account Short Name, last Odometer entry, Product Name, Pump and Hose ID, Price, Quantity of product, and total monetary Amount of transactions. Totals for each Driver are shown below each Driver entry for Transactions, Quantity and Amount. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Summary Report by Site (Account):** This report groups Account activity at each site. The activity includes Account Number, Account Name, number of Transactions, Total Quantity of each account's transactions and the Total monetary Amount of those transactions. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Pump Totals for Product:** This report shows Transaction totals for each pump at a site and is sorted first by Site ID, then by Product ID and Product Name. The report shows Pump and Hose ID, number of Transactions and Total Quantity for the product for the site. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Account Card Listing:** This report is sorted by the Account ID and Name. The report shows Card Number, Card Name, Card Type and the Short Name. For each card, related settings are listed (e.g. PIN, Expiration Date, Monthly Allocation etc.) and there is a table that shows Multi-trucking Verified Prompts and ChipKey settings (where applicable). Select a **Starting Account #** and an **Ending Account #**.
- **Activity Summary Report by Account for Product:** This report contains single-line descriptions of transactions. The transactions appear first by Account, then grouped by product ID, then in ascending chronological order. The report shows Product ID, Product Name, number of Transactions, Total Quantity and Total Amount. Totals for Account are shown at the bottom of each Account entry. At the end of the report is a Report Product Totals section listed by Product ID. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.
- **Activity Detail by Site for Accounts:** This report groups transactions first by site ID, then by Account number, then in ascending chronological order by account number. The report gives detailed information on Date and Time of transaction, Transaction Number, Vehicle ID, Driver ID, Driver Name, last Odometer entry, Product name, Pump and Hose ID, Price and Quantity of product, and total monetary Amount of transactions. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Activity Detail Report by Site for Vehicle:** This report groups transactions first by Site ID, then by Vehicle. The report gives detailed information on Date and Time of transaction, Transaction Number, Driver name, Account, Account Short Name, last Odometer entry, Product name, Pump and Hose ID, Miscellaneous keyboard entry, Price and Quantity of product, and total monetary Amount of transactions. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.
- **Product Totals for Sites by Date:** This report shows transaction totals for each Pump/Hose at a site and is sorted by Product, then Site ID. The report shows the number of Transactions and Total Quantity for each Pump/Hose position. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Site ID** and **Ending Site ID** from the drop-down fields.

- **Activity Summary Report by Account for Driver:** This report groups Driver activity for an Account. The activity includes Account Number, Account Name, Driver, Driver Name, number of Transactions, Total Quantity of each account's transactions and the Total monetary Amount of those transactions. The information is then listed by Product ID, Product Name, number of Transactions, Total Quantity of each transaction and the Total monetary Amount of those transactions. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.
- **Activity Summary Report by Account for Vehicle:** This report groups vehicle activity for an Account. The activity includes Account Number, Account Name, Vehicle, Vehicle Name, number of Transactions, Miles Traveled/MPG, Total Quantity of each account's transactions and the Total monetary Amount of those transactions. The information is then listed by Product ID, Product Name, number of Transactions, Total Quantity of each transaction and the Total monetary Amount of those transactions. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.
- **Account Card Listing Short Version:** This report shows the Account ID and Name, and detailed card information for cards related to the account. The report will show the Total Number of Cards related to an Account by Driver and Vehicle and includes, Driver/Vehicle Card Number, Card Name, User 1, User 2 and Media 1. Select a **Date** and **Time** range from the *Date and Time Selectors* and a **Starting Account #** and **Ending Account #** from the drop-down fields.

5.2 Scheduler

Reports > Scheduler > Create Schedule

The Scheduler Table View shows events that have been previously scheduled. The table shows the Event Name, Event Type, Event Status, Created Date and Last Execution Date.

There are two (2) Event Types that can be scheduled; Report Options and Export Data. They are configured the same as the menu items they represent.

Click the **Add** (+) button to open the **Create Schedule** page.



NOTE: Fields shown in **Red** below are required.

Scheduler Details

- Enter a **Name** for the event in the **Event Name** field.
- Select an **Event Type** from the drop-down.
 - If *Report Options* is selected, configure a selected report the same as in "[Reports](#)" on page 57.
 - If *Export Data* is selected, configure the parameters the same as in .
 - If *Export TRN* is selected, configure the Display Fields the same as in .
- Under *User Email*, select the applicable **Email Recipients** who will receive the scheduled data.
- Under *Scheduler Frequency*, select one of the two:
 - **Schedule (Once):** To schedule the selected event data to be sent to the selected recipients one time:
 - ◆ Select a **Date** from the *Date Selector*.
 - ◆ Select a **Time** from the *Time Selector*.

- **Recurring:** To schedule the selected event data to be sent to the selected recipients as a recurring event:
 - ◆ Select an **Interval** from the drop-down (hours, days, weeks, months).
 - ◆ Select a **Date** and **Time** from the *Date and Time Selectors* to start the first occurrence.
 - ◆ To specify an end to the recurrence, enable the **Until** slider and select a **Date** from the *Date Selector*.
- Click the **Save** button to save this configuration or **Cancel** to return to the Table View.

5.3 Downloads

The Downloads page contains the data for reports that were requested on the Reports screen. This Table View shows the Report Name, Report Generation Date and the Report Date Range.

Click the **Download** () icon for an applicable report in the table to download it to your computer.



NOTE: Records in "Downloads" will only be available for 24 hours. After 24 hours, DX Fleet removes a record from the list.

5.4 Power BI Reports

Reports > Power BI Reports

The Power BI Reports page shows tiles for the available reports that can be made through the Power BI Service.

- Select the **tile** of the applicable report.



TIP: There is a Report Category filter field at the top of the screen to the left of the Search Report field. Use this drop-down to filter by:

- » Account Reports
- » Card Reports:
- » Product Reports
- » Site Reports
- » Transaction Reports

- The *Parameters* filter page will come up.
- Use the controls (date selectors, drop-down menus) to select the applicable **parameters** for your report. Required fields will be marked "Required."
- Click the **View Report** button at the far right of the parameters bar. The report will come into view.
- The top menu bar of the report gives you more options for the report that was just made.
 - Use the **Print** option in the *File* drop-down to open a print dialogue.



TIP: You can also click the **Print Now** button at the right of the menu bar to quickly open a print dialogue.

- In the *View* drop-down, you can select **Page View** to see the report as it would look in a printed output. To see the default view, select **Default**.
- The *Export* drop-down gives you eight (8) selections of the most used file types where you can send and output your report. Select one of the file types to download to your machine.
- When you are in *Page View* you can click the **Page Settings** button to adjust the size and orientation of the page.

5.5 Power BI Report Descriptions

The descriptions of the available reports is sorted from left to right by row as the tiles are arranged on the screen.

First Row

- **Activity Detail Report by Account for Driver:** This report sorts by Account, then by Vehicle Tag. The report lists the Date and Time of transactions, the Transaction Number, Employee Number, Site ID and Name, Odometer entry, Product, Pump and Hose ID, Mpg (Miles per gallon), Distance, Price, Quantity

and Amount of the transactions. Transaction Totals show for all Vehicle IDs listed. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.

- **Activity Detail Report by Account for Vehicle:** This report sorts by Account, then by Vehicle Tag and Name. The report lists the Date and Time of transactions, Transaction Number, Employee Number, Site Number and Name, Product, Pump and Hose ID Miles per gallon, Odometer reading, Distance traveled, Miscellaneous Keyboard Entry information, Price, Quantity and the Amount of the transactions. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report by Account for Driver:** This report groups driver activity for an account. The report includes Account Number, Account Name, Driver, Driver Name, number of Transactions, Total Quantity of each account's transactions and the total Amount of those transactions. Totals for Account show for Quantity and Amount below each Account entry. Totals for Report show at the end of the report. There is also a summary of transactions listed by Product ID at the end of the report. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report by Account for Product:** This report shows Transactions first by Account, then grouped by Product ID and Name. A subtotal at the end of the report is shown for each Account that totals Quantity and Amount for all products for each Account. There is also a summary of transactions listed by Product ID at the end of the report. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report by Account for Vehicle:** This report groups vehicle activity for Accounts. The report shows Account Number, Account Name, Vehicle, Vehicle Name, number of Transactions, Miles Traveled/MPG, Total Quantity of transactions and the Total Amount of those transactions. There is also a summary of transactions listed by Product ID at the end of the report. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Detail Invoice by Account For Driver:** This report groups transactions by Account, then by Product. The report shows transaction Date, Driver ID and Name, Vehicle, last Odometer entry, Pump and Hose ID, product Price, Total Quantity and Total Amount. A summary of Totals for Cards and Totals for Product shows below each Product entry. Totals for Account show at the end of each Account entry. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Detail Invoice by Account For Vehicle:** This report groups transactions by Account, then by Product. The report shows transaction Date, Vehicle ID and Name, Driver, last Odometer entry, Pump and Hose ID, product Price, Total Quantity and Total Amount. A summary of Totals for Cards and Totals for Product shows below each Product entry. Totals for Account show at the end of each Account entry. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.

Second Row

- **Simple Invoice By Account For Driver:** This report groups transactions by Account, then by Product ID. The report includes Driver ID and Name, Number of Transactions, Price, Total Quantity and Total Amount of the transactions. Totals for Products shows below each Product entry. Totals for Account shows below each Account entry. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Simple Invoice By Account For Vehicle:** This report groups transactions by Account, then by Product ID. The report includes Vehicle ID and Name, Number of Transactions, Price, Total Quantity and Total Amount of the transactions. Totals for Products shows below each Product entry. Totals for Account shows below each Account entry. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.
- **Activity Detail by Account For Product:** This report contains single-line descriptions of transactions. The transactions show first by Account and then are grouped by Product ID and Name. The report includes transaction Date and Time, Transaction Number, Site ID, Vehicle ID, Driver ID and Name, last

Odometer entry, Pump and Hose ID, Price, Quantity and Amount of the transactions. Product Totals show below each Product entry. Account Totals show below each Account entry. Select a **Date Range** from the *Date Selector* and **Account(s)** from the drop-down. Click **View Report**.

- **Transaction Summary by Account for the Year:** This report is sorted by Account ID and Account Name. The report shows money transaction Amount totals, Quantities and Number of Transactions for each month in a year for each account. Yearly Totals are shown at the end of each line. Select a **Report Year** and **Account(s)** from the drop-downs. Click **View Report**.
- **Transaction Summary Information By Account:** For each Account selected, this report shows the Account ID and Name, a summary of monetary Amount, Quantity and number of Transactions for the Current Month, Year-to-Date and Life -to-Date. Select the **Year, Month** and **Account Number(s)** from the drop-downs. Click **View Report**.
- **Activity Detail Report by Driver:** The report shows driver transactions for the selected date range by Employee number and Driver Name. The report lists the Date and Time of each transaction, the Transaction Number, the Site ID, Vehicle Tag number (where applicable), Short Name, Account ID, Odometer entry, Product ID, Pump and Hose ID, Price, Quantity and the Amount of the transaction. Total number of Transactions and Quantity and Amount totals show at the bottom of each Driver summary. A Grand Total of Transactions, Quantity and Amount show at the end of the report. Select a **From Date** and **To Date** from the *Date Selector* and **Driver Number(s)** from the drop-down. Click **View Report**.
- **Activity Detail Report by Vehicle:** The report shows vehicle transactions for the selected date range by Vehicle Tag and Vehicle Name. This report shows the Date and Time of each transaction, Transaction number, Site ID, Employee Number and Name, Account ID, Product ID, Pump and Hose ID, Miles per Gallon, Odometer entry, Distance traveled, Miscellaneous Keyboard Entry information, Price, Quantity and the Amount of the transaction. A summary of Transaction total, Cost per mile, Average MPG, total Distance and Quantity and Amount totals show at the bottom of each Vehicle summary. Select a **From Date** and **To Date** from the *Date Selector* and **Driver Number(s)** from the drop-down. Click **View Report**.

Third Row

- **Simple Invoice by Driver:** This report lists individual transactions for driver cards and single cards and is sorted by Driver ID. The report shows Date and Time of the transactions, Transaction Number, Site ID, Product, Vehicle ID, last Odometer entry, Pump and Hose ID, Quantity and the Amount of each transaction. Totals for Product show at the bottom of each Product entry and Totals for Driver show below the Driver entries. Select a **From Date** and **To Date** from the *Date Selector* and **Driver Number(s)** from the drop-down. Click **View Report**.
- **Simple Invoice by Vehicle:** This report lists individual transactions for a vehicle card and is sorted by Vehicle ID. The report shows the Date and Time of transactions, Transaction Number, Site ID, Product name, Driver ID, last Odometer entry, Pump and Hose ID, Price, Quantity and Amount of each transaction. Totals for Product show at the bottom of each Product entry and Totals for Vehicle show below the Vehicle entries. Select a **From Date** and **To Date** from the *Date Selectors* and **Vehicle Number(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report by Driver:** This report lists transactions by the Driver ID. The report shows the Driver ID and Name, number of Transactions, Total Quantity and the Total Amount of the transactions. Select a **From Date** and **To Date** from the *Date Selector* and **Driver Number(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report By Vehicle:** This report lists transactions Vehicle ID. The report shows the Vehicle ID and Name, number of Transactions, Miles/MPG, Total Quantity and the Total Amount of the transactions. Grand Totals are shown at the end of the report. Select a **From Date** and **To Date** from the *Date Selector* and **Vehicle Number(s)** from the drop-down. Click **View Report**.

- **Product Totals for Sites by Date:** This report lists product usage in an at-a-glance format for the selected date range. The report is sorted by product ID and Name, then by Site ID and Name. The report shows Pump and Hose ID, total Transactions and Total Quantity for the specified hose and pump. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Product Totals by Site:** This report lists product usage in a year-at-a-glance format. The report is sorted by Product ID and shows product Quantity totals month-by-month for each site. Monthly totals for all products and a grand total for Quantity is also shown. Select a **Report Year** and **Product ID(s)** from the drop-down fields.
- **Activity Detail Report by Site for Accounts:** This report groups transactions first by Site ID, then by Account number, then in order by Transaction number. The report gives information on Date and Time of transaction, Transaction number, Vehicle ID, Driver, Driver Name, last Odometer entry, Product ID, Pump and Hose ID, Price, Quantity, and Amount. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.

Fourth Row

- **Activity Detail Report by Site for Driver:** This report groups transactions by site ID, then by Driver ID and name. This report gives information on Date and Time of transaction, Transaction number, Vehicle number, Account number, Account Name, Odometer entry, Product name, Pump and hose ID, Miscellaneous Keyboard Entry, Price, total Quantity and total Amount of the transaction. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Activity Detail Report By Site For Vehicle:** This report groups transactions first by Site ID, then by Vehicle ID. The report shows Date and Time of transaction, Transaction number, Driver ID, Account Number, Account Name, Odometer entry, Product name, Pump and hose ID, Miscellaneous keyboard entry, Price, Quantity, and Amount of each transaction. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report By Site For Account:** This report shows Account transactions by Site ID. The report gives information on Account ID, Account Name, Transaction totals, Total Quantity and Total Amount. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Network Transactions by Site:** This report groups transactions first by Site ID, then Account Name and then Cart Type. The report shows information on transaction Date and Time, Transaction Number, Product ID, Pump and hose ID, Card Authorization Number, Account Trace Number, Entry 1-6, Price, Quantity and Amount for each Transaction. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Pump Totals:** This report lists total transactions and product Quantity by pump for the selected Sites and selected date range. The reports shows Pump and hose ID, Product ID, Product Description, number of transactions for each Pump/hose and Quantity. Site grand totals are shown for Transactions and Quantity. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Pump Totals for Product:** This report shows transaction totals for each pump at a site. It also gives a detailed report on site details, Pump and hose ID, Product ID, Product Name, number of Transactions Total Quantity and Total Amount for the product for the site. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Activity Detail by Site for Accounts with Vehicle:** This report groups transactions by Site ID, then Account number, then by the total number of transactions for individual cards. The report lists Date and Time, Vehicle ID, Vehicle Name, Odometer entry, Product, Pump and hose ID, Price, Quantity and Amount of each Transaction. Account Totals are shown for total number of Transactions, Average

Price, total Quantity and total Amount. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.

Fifth Row

- **Network Transactions By Site Summary:** This report shows a summary of network transaction data for the selected date range and Site ID(s). The report shows a total Number of Transactions, Total Quantity and Total Amount for each Site ID listed. Report Totals by column are shown at the bottom of the report. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Site Totals By Product:** This report shows product Quantity totals month-by-month for each site. Monthly totals for all products and a grand total for Quantity is also shown. Select a **Report Year** and **Site ID(s)** from the drop-down fields.
- **Activity Summary Report By Site For Driver:** This report groups Driver card activity for each Site ID. Activity shown for each card includes Driver ID, Driver Name, number of Transactions, Total Quantity and Total Amount of each transaction. Totals for Site are shown below each Site entry. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report by Site for Vehicle:** This report groups Vehicle card activity for each Site ID. Activity shown for each card includes Vehicle ID, Vehicle Name, number of Transactions, Total Quantity and Total Amount of each transaction. Totals for Site are shown below each Site entry. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Incomplete Transactions:** This report shows a summary of incomplete Transaction data for a selected date range sorted by Record ID and indicates the Reason for Failure. The report shows stacked column data: Site ID/Transaction Number, Product/Pump, Date/Time, Employee Number/Vehicle Tag, Account Number/termination Code, PPG (Price Per Gallon)/Quantity and Transaction Total/Odometer. Select a **From Date** and **To Date** from the *Date Selector*. Click **View Report**.
- **Network Transactions By Card Type Detail:** This report shows details for card activity for a selected date range and is sorted by Site ID (the row also shows Site Name and Address) and Card Type. The report shows Card Type, transaction Date and Time, Card number, Product, Price, Quantity and total Amount. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Odometer Exceptions:** This report shows odometer exception data for a selected date range. The report shows Date, Time Transaction Number, Driver and Name, Odometer input, Reason and Quantity. Select a **From Date** and **To Date** from the *Date Selector*. Click **View Report**.

Sixth Row

- **Activity Detail Report By Misc Keybd:** This report sorts transactions by miscellaneous keyboard entry. The report displays the date and time of transactions, transaction number, site number, river-card number, driver-card name, vehicle-card number, vehicle-card name, account number, product name, pump and hose ID, and the total monetary amount of the transactions. It also includes the number of transactions for each miscellaneous keyboard and the grand total of the transactions. "[Enter a Misc: Miscellaneous Keyboard is a generic prompt that can be presented during fueling to collect any numeric entry required. These field labels can be programmed to help identify the value entered.](#)" on [page 49](#) Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.
- **Activity Summary Report By Misc Keybd:** This report sorts transactions by miscellaneous keyboard entry. The report shows Miscellaneous Keyboard entry, Number of Transactions, Total Quantity and the Total Amount of the transactions. It also includes the grand totals for Transactions,

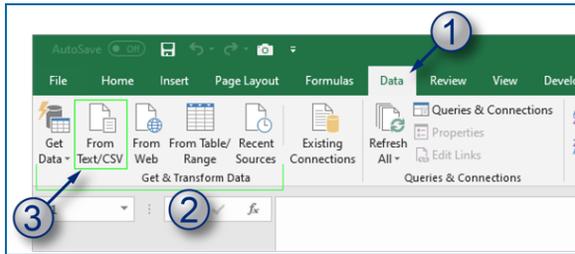
Total Quantity and Total Amount. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID (s)** from the drop-down. Click **View Report**.

- **Incomplete Transactions Detailed:** This report shows a detail of incomplete Transaction data for a selected date range sorted by Record ID and indicates the Reason for Failure. The report shows Site ID, Date and Time, Transaction Number, Terminal Code, Driver ID, Vehicle ID, Account Number, Product ID, Pump and Hose ID, Driver Name, Vehicle Name, Account Name, Misc Keyboard entry, Odometer entry, PPG (Price per Gallon), Quantity and Transaction Total. Select a **From Date** and **To Date** from the *Date Selector*. Click **View Report**.
- **Network Transactions Sorted By User Entry #1-#4:** These reports are sorted by the Network sorted by User Entry number selected from the report listing, Network Sorted by User entries 1-9, that are used by host network-based cards. Also included in the report will be the Date, Time, Site ID, Pump and Hose ID, Product, Card Type and Status, Account Name, Transaction Number, Card 1 number and name, account name, User Entry 1-9 data entry, Price, Quantity, Price and Amount. Each report will also include a grand total for the quantity and Amount values. Select a **From Date** and **To Date** from the *Date Selector* and **Site ID(s)** from the drop-down. Click **View Report**.

There are times when it is necessary to keep leading zeros in a .csv (comma separated values) report when it is imported into an Excel file. Excel number formatted columns removes leading zeros by default (see the image above) when a .csv file is opened. There are two ways to set up an import of a .csv file in Excel that keeps the leading zeros.

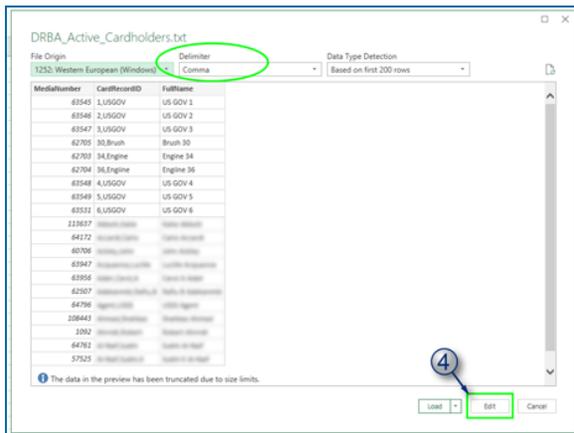
5.6.1 Newer Versions of Excel (June 2017 version 1704 and later)

Open a new, blank Excel workbook.

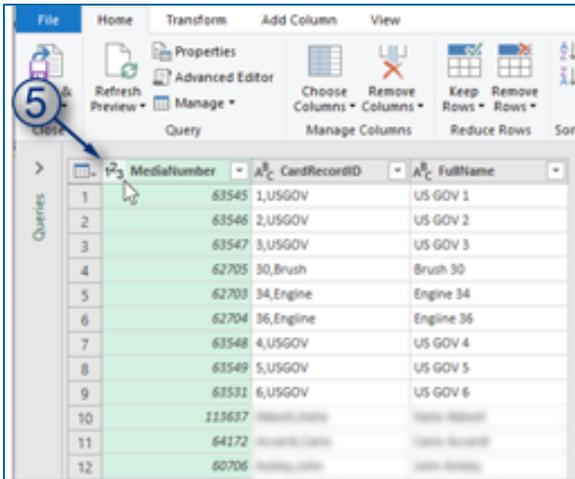


1. Go to the **Data** tab.
2. Go to the **Get & Transform Data** tools.
3. Select the **From Text/CSV** icon.

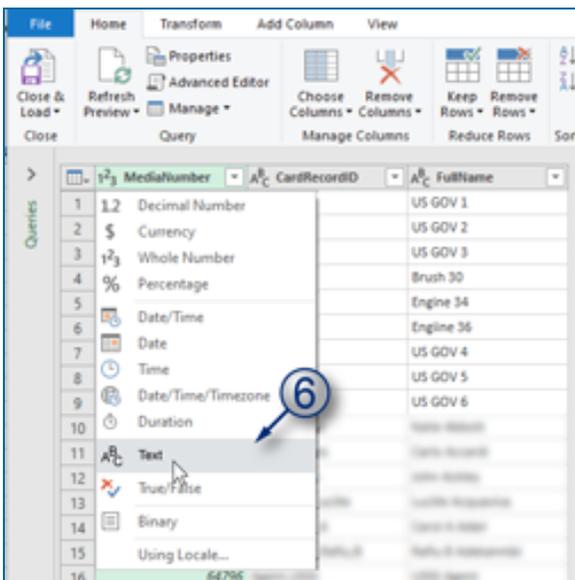
Navigate to the applicable file in the Windows Explorer screen that comes up. Select the file and click **Import**.



4. In the screen that opens, make sure comma is selected in the Delimiter field. Click **Edit** (in some versions this button will be labeled "Transform Data").



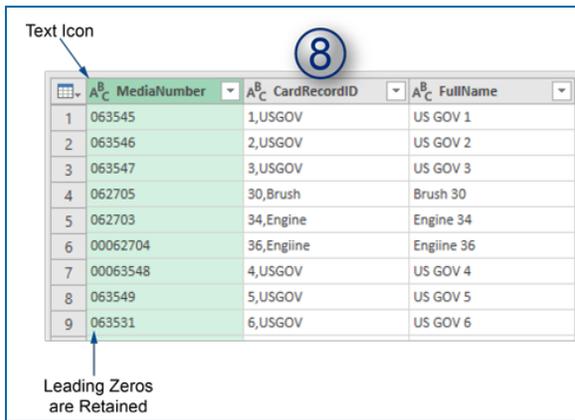
5. Number formatted columns will have a "123" icon. Click the **123 icon** to open a drop-down.



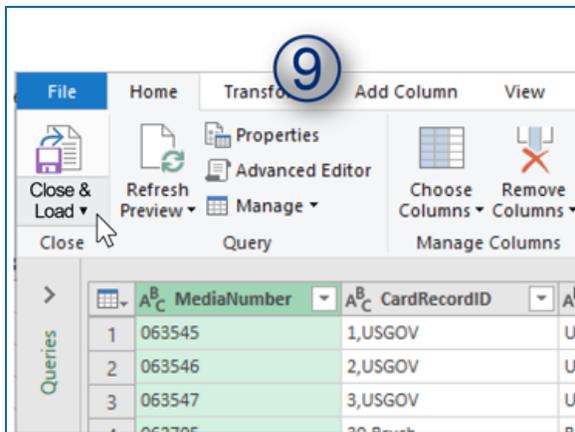
6. Select the "ABC" Text icon. A dialogue box will open.



7. In the "Change Column Type" dialogue box, select the **Replace Current** button.



8. The 123 icon will change to ABC and leading zeros from the source .csv file are now retained.



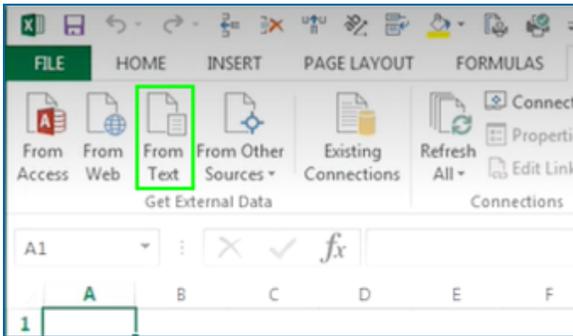
9. Click the Close and Load button at the top left of the screen.



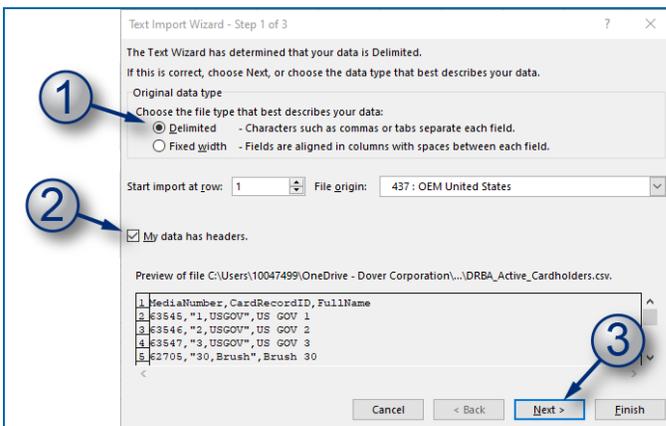
10. The editor screen will close and the Excel sheet will populate with leading zeros retained in the adjusted column.

5.6.2 Use the Text Import Wizard (older versions of Excel [2010-2016])

First you must open a new, blank Excel workbook. To open the Text Import Wizard:

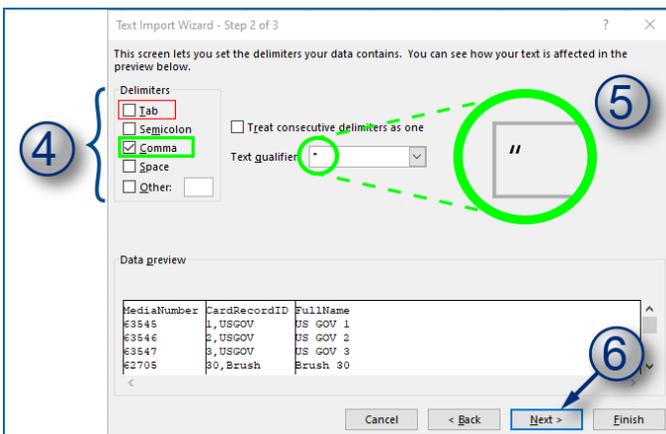


- Go to Data > Get External Data > From Text. Navigate to the .csv file with the data you will import. Click the file and the "Text Import Wizard" will open.



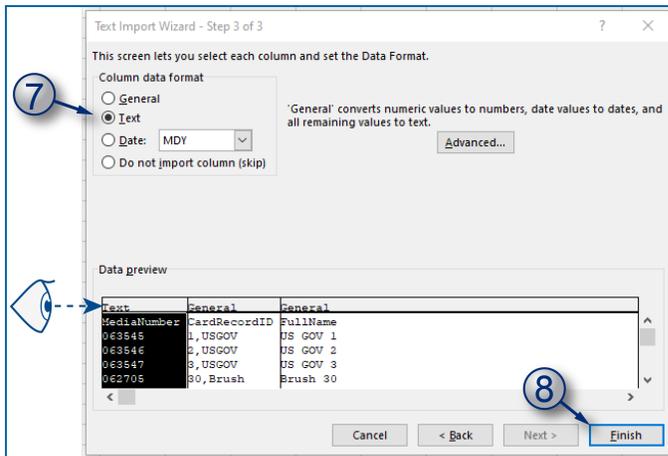
To configure a data report in Excel with leading zeros in the "Text Import Wizard":

- Under *Original Data Type*, select the **Delimited** radio button.
- Tick the **My data has headers** check box.
- Click **Next**.



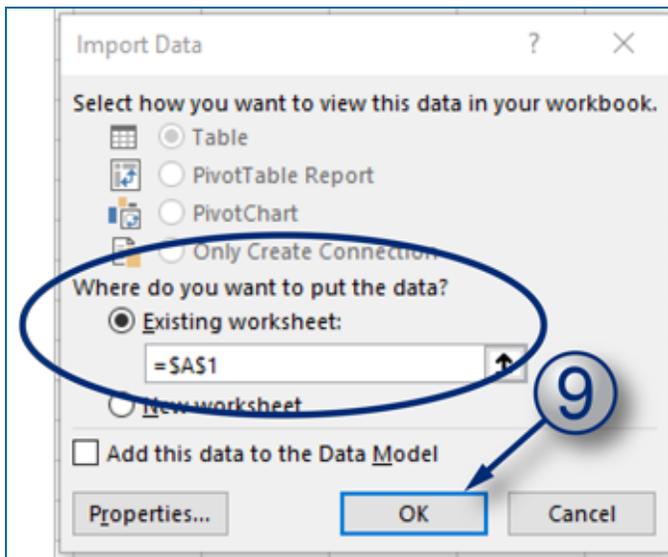
- Under *Delimiters*, tick the **Tab** box to deselect it. Then, tick the **Comma** check box.

5. Make sure that the *Text qualifier* in the drop-down is set to **double quotes (")**.
6. Click **Next**.



Under Data preview you will see that the first column is highlighted and its header shows "General."

7. Under *Column data format*, select the **Text** radio button. The first column header changes to "Text."
8. Click **Finish**.



The default location for the data import is the Existing worksheet, beginning in cell A1. This can be changed if necessary.

9. Click **OK**. The data will now open in the new Excel sheet but the leading zeros are now kept in the newly formatted column (see the image below).

Leading zeros are kept in the new file

	A	B	C	D
1	MediaNumber	CardRecordID	FullName	
2	063545	1,USGOV	US GOV 1	
3	063546	2,USGOV	US GOV 2	
4	063547	3,USGOV	US GOV 3	
5	062705	30,Brush	Brush 30	
6	062703	34,Engine	Engine 34	
7	00062704	36,Engine	Engine 36	
8	00063548	4,USGOV	US GOV 4	
9	063549	5,USGOV	US GOV 5	
10	063531	6,USGOV	US GOV 6	
11	113637	Account Name	Name Account	
12	064172	Account Carlo	Carlo Account	
13	060706	Account John	John Account	
14	063947	Account Lucille	Lucille Account	
15	063956	Account Carol A	Carol A Account	
16	062507	Account Ralph A	Ralph A Account	
17	064796	Account John	John Account	
18	108443	Account Stephen	Stephen Account	
19	001092	Account Robert	Robert Account	

Section 6 Settings Menu

The Settings menu is used to configure parameters for:

- ["Sync" on the next page](#): All site time and date functions.
- ["Job Status" on page 82](#): Shows the status of Job Categories (In Progress or ERROR)
- ["Sites" on page 84](#): Site configuration
- ["System Configuration" on page 153](#): Configuration of Global parameters for all sites.
- ["Pricing" on page 171](#)
- ["Fuel Zones" on page 172](#)
- ["Terminal Window" on page 174](#)
- ["Audit Log" on page 177](#)

6.1 Sync

Settings > Sync

6.1.1 System Time Settings

System Time Settings

1 System On Time* 12:00 AM

2 Light On Time* 12:00 AM

3 Time Zone* Central

4 UTC Offset 6

5 On Hour Deviation* 0

DST Observed 6

7 Activate Receipts Only Time

8 Receipts Only Time 12:00 AM

This section lets you configure the times used by the FSC3000 for site control and network processing.

Select the applicable **site** to be configured from the *Active Site* drop-down.

Configure the applicable **parameters** for the selected site.



NOTE: Fields shown in **Red** below are required.

1. **System On/Off Time:** Use the *Time Selector* controls in these fields to enter specified times when the site is open for fueling.
2. **Light On/Off Time:** Use the *Time Selector* controls in these fields to enter specified times when your “Fuel Island Terminals” will illuminate the Keypads for night time use.
3. **Time Zone:** Select the applicable Time Zone for the selected site from the drop-down.
4. **UTC Offset:** Some time zones can be offset from Coordinated Universal Time (UTC) by a number of hours or, in some cases, the difference can be in 30 or 45 minute offsets (see "[Coordinated Universal Time](#)" on page 194). A useful resource to find out if an offset is necessary for your Site location's time zone can be found [here](#). See additional information about UTC in the information panel below



INFORMATION: An explanation of UTC from **Wikipedia**: The UTC offset is the difference in hours and minutes from Coordinated Universal Time (UTC) for a particular place and date. It is generally shown in the format \pm [hh]:[mm], \pm [hh][mm], or \pm [hh]. So if the time being described is one hour ahead of UTC (such as the time in Berlin during the winter), the UTC offset would be "+01:00", "+0100", or simply "+01".

Every inhabited place in the world has a UTC offset that is a multiple of 15 minutes, and the majority of offsets (as well as all nautical time zones) are measured in whole hours. There are many cases where the national civil time (ignoring Daylight Saving) uses a UTC offset (time zone) that is different to the theoretical one appropriate to its longitude.

5. **On Hour Deviation:** This is used for areas where time is shifted off the hour from the rest of the time zone. For example, Times in India deviate 30 minutes from the rest of the +5 UTC Zone (see the explanation of UTC, Coordinated Universal Time above). Select **minutes** from zero (0) to 59 in the drop-down.
6. **DST Observed:** Select this check-box if your time zone uses Daylight Savings Time.
7. **Activate Receipts Only Time:** This is a time that is set to make receipt collection available after fuel is stopped. It is recommended to set this time to approximately 15-30 minutes.



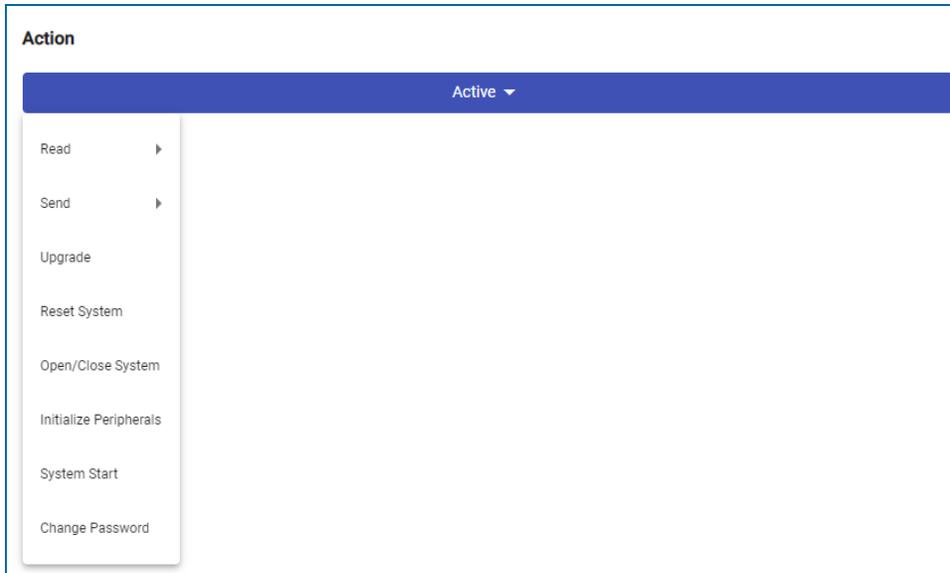
NOTE: All others settings are used by certain "Fleet Host" customers. It is recommended to set these value to process cards to a *Private Fleet Host*.

8. **Receipts Only Time:** If the "Activate Only Receipts" check-box has been selected above, select the applicable time from the *Time Selector* in this field.

Click the **Save** button to save this configuration.

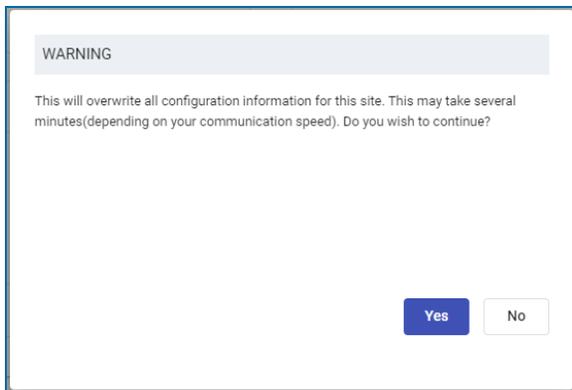
6.1.2 Action Panel

The Action panel on the right of the screen contains more actions that can be done within the system.



Select the **Active** drop-down to select the applicable Action.

6.1.2.1 Read



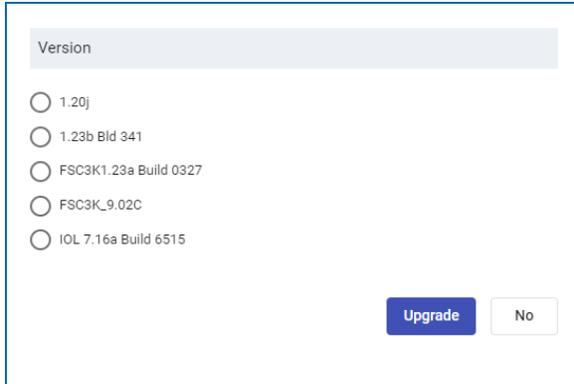
When you select either Read "Site Settings" (settings that apply only to a specific site) or Read "Global Settings" (settings that apply to all sites in your system) from this menu item, you will get a warning that informs you that all Site or Global configuration information will be overwritten. Select **Yes** if you want to proceed and follow the prompts.

6.1.2.2 Send

When you select either Send "Site Settings" (settings that apply only to a specific site) or Send "Global Settings" (settings that apply to all sites in your system) from this menu item, you will get a warning that

informs you that this will overwrite all the FSC3000's configuration information (see the image above under "Read"). Select **Yes** if you want to proceed and follow the prompts.

6.1.2.3 Upgrade FSC3000 Firmware



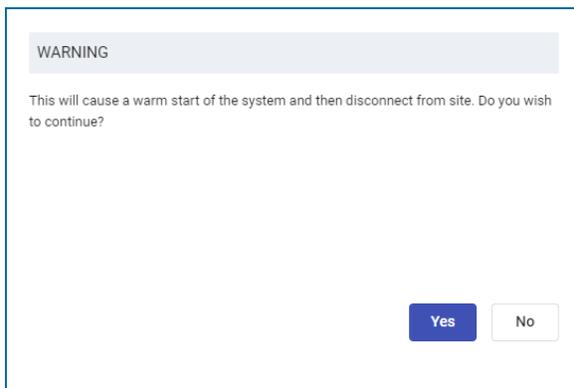
The screenshot shows a software selection interface. At the top, there is a header labeled "Version". Below this header, there are five radio button options for different firmware versions: "1.20j", "1.23b Bld 341", "FSC3K1.23a Build 0327", "FSC3K_9.02C", and "IOL 7.16a Build 6515". At the bottom right of the interface, there are two buttons: a blue "Upgrade" button and a white "No" button.

This item is used to upgrade the firmware of the FSC3000. When you select this item, a list of available software versions will come into view. Select the radio button for the applicable version and click the **Upgrade** button. Follow the prompts.



NOTICE: This operation should not be used while pumps are in use! Check all statuses first. Then, when you are certain that no transactions are in progress, close the system and start the operation.

6.1.2.4 Reset the FSC3000



The screenshot shows a warning dialog box. At the top, there is a header labeled "WARNING". Below this header, the text reads: "This will cause a warm start of the system and then disconnect from site. Do you wish to continue?". At the bottom right of the dialog, there are two buttons: a blue "Yes" button and a white "No" button.

When you select this menu item you will get a warning that says "this will cause a warm start of the system and then disconnect from site." This "warm start" is similar to a power restart of the FSC3000. The controller goes through certain background tasks during this operation. To continue, select **Yes**.



NOTICE: This operation should not be used while pumps are in use! Check all statuses first. Then, when you are certain that no transactions are in progress, close the system and start the operation.

6.1.2.5 Open/Close System

Open/Close System

The system is currently Open. Do you wish to Close the system?

Yes No

This menu item can be used to manually open or close a site. This means that the terminal can be made operable or inoperable when this operation is used.

6.1.2.6 Initialize Peripherals

Initialize Peripherals

Do you want to initialize peripherals?

Yes No

This causes the FSC3000 to reconfigure all devices running on Petro-Net at the site. For example, pump controllers will be reconfigured with current prices and available pumps/positions and terminals reconfigured with all of their options. Select **Yes** to begin.

6.1.2.7 System Start

The **System Start** command is a one-time command that activates the FSC3000 system, allowing transactions to be processed. It can also be used following a Cold Start (upon first installation or after a firmware upgrade) when passwords must be reset and new users created.



NOTE: This item will be removed from the menu in a future release. It is recommended that System Start be done through the Terminal Window (see "Terminal Window" on page 174).

6.1.2.8 Change Password



IMPORTANT: This menu item is to be removed in a future release.

You can change the three system passwords in this selection. Each Password can be up to six (6) characters and is not case sensitive.

- **Remote Access** password: The Remote Access password is required when accessing the FSC3000 system using the internal dial-in modem or Ethernet network port. The default, case-sensitive password is "hello". This password will automatically be requested when you first connect to the FSC3000. Once the Remote Access password is entered, the system prompt "r>" or "l>" will be displayed (where r> = modem and l> = Ethernet).
- **Partial Login Access:** This is also referred to as the Main Password for your FSC3000 system. The Partial Login Access password is accessible from the system prompt "r>" ">" or "l>". When "hello" is entered, the system prompt "ENTER MAIN PASSWORD:" will be displayed. The default, case-sensitive Partial Login Access password is "hello". This password functions in two (2) ways. Once the Partial Login Access password is entered, the Partial Login Access prompt will be displayed.
 - **Direct connected** - "P>"
 - **Modem connected** - "R>"
 - **Ethernet connected** - "L>"
- **Administrator:** The Administrator (also referred to as Admin) is the predefined user who has access to every command. It is recommended that the Admin account only be used if the "SET ADMIN, SET NETWORK, or SET FLEET" commands are needed. The Admin account is limited in access to the system through only a Direct or Dial-in connection. A User account is needed to access the FSC3000™ system if a TCP/IP connection is in use. The Admin password should be stored in a safe location. Once the Admin password is entered, the prompt "Admin>" will be displayed.



IMPORTANT: Due to the requirements of PA-DSS (see "Payment Card Industry Data Security Standard" on page 193) compliance, password recovery is no longer available. It is up to the system owner to secure the passwords. If the Administrator password is lost, the FSC3000 will require a cold start and must be reprogrammed to regain Admin access.

For more information about Passwords in the FSC3000 refer to the [M00-051.00 FSC3000 Command-Line Configuration Manual](#).

6.2 Job Status

Settings > Job Status

The Job Status page shows the status of Job Categories listed in the left column. The status can be In Progress, Success, Failed or ERROR.

If a job status shows an ERROR, the Job Message column will show the reason for the error.

Two (2) other columns will show the Create Date and the Complete Date of the job.

There are no active icons in the *Manage* column unless the *Job Status* column shows "Partial Success" for a record row. This indicates that there are one or more "Failed" statuses within the Job Category.

Job Category	Job Status	Job Message	Created Date	Completed Date	Manage
Send Site Settings	PartialSuccess	Partially updated FSC Configuration	Jan 4, 2023, 2:59:33 AM	Jan 4, 2023, 2:59:14 AM	
FSC Credentials	Success	Successfully updated FSC Connection Info.	Feb 1, 2023, 12:25:04 AM	Feb 1, 2023, 12:25:08 AM	-
FSC Credentials	Success	Successfully updated FSC Connection Info.	Jan 19, 2023, 4:53:32 AM	Jan 19, 2023, 4:53:35 AM	-
FSC Credentials	Success	Successfully updated FSC Connection Info.	Jan 19, 2023, 4:52:52 AM	Jan 19, 2023, 4:52:55 AM	-

When "Partial Success" shows in the Job Status column, a download icon will show in the *Manage* column. Select the Download icon. A .pdf file will download to your device.

Configuration Category	Status
SITE (SYS)	Success
VIS (VIS)	Success
HOST CONFIGURATION (HST)	Success
PORT CONFIG (PRT)	Failed
DIRECT PUMP CONTROL (DPC)	Success
PUMP CONTROLLER TERMINAL (PCT)	Success
PCT POSITION (PCP)	Success
PCT POSITION AND HOSE (PCH)	Success
FIT (FIT)	Success
RECEIPT HEADER (RHD)	Success
RECEIPT TRAILER (RTL)	Success
JOURNAL PRINTER (JPR)	Success

Open the .pdf file to see the list of Configuration Categories and their Status. The Status column will show what configurations failed.



INFORMATION: Failed and ERROR statuses for operations on this page only show how a failure or error occurred. These are typically not issues that the user can correct. These issues can be addressed by the DFS team as they become aware of their occurrence. If you continue to get a condition that causes a negative effect on your operation, please call the support line at +1 877-679-8324.



DEPENDENCY: The Job Categories column refers to actions listed in the "Action Panel" on [page 78](#) of the Sync menu item (Settings > Sync).

6.3 Sites

Settings > Sites

This table shows the currently configured sites in the system. Sites are configured during the site onboarding process. The table is not configurable. This view shows each site's:

- Site ID
- Site Name
- City
- Zip Code
- State
- Country
- SE (Service Engine) Status (Running, Not Running) (See "[Service Engine](#)" on page 194 of the DX Fleet Glossary).

6.3.1 Manage Icons

In the Manage column of the Table View, there are four (4) icons that come into view when your mouse hovers over a record row:

- Edit (

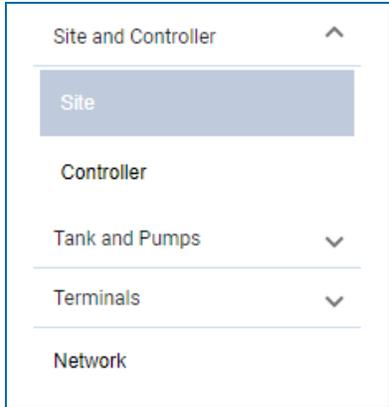
IMPORTANT: Make sure to start the Service Engine again to continue DX Fleet operations. The Service Engine will restart itself after eight (8) minutes.

- Restart Edge from the UI (

NOTE: The Restart Edge feature does not correct communication issues with the Edge device. Contact Technical Support to resolve communication or other issues that cannot be resolved by a restart.

6.3.2 Edit:Site and Controller

The instructions that follow show the procedures to edit the individual Site records. Select the Edit icon (✎) in the Manage column to edit a Site.



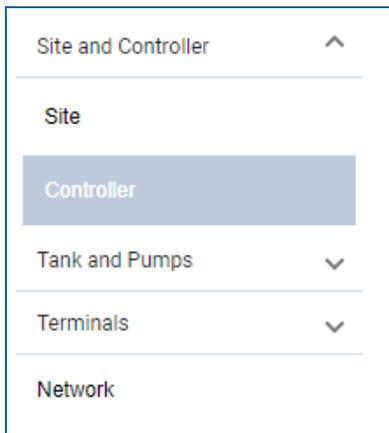
The menu shown above will be on the left of the Edit screen that comes into view. Site and Controller is open with Site shown by default.

6.3.2.1 Site Details

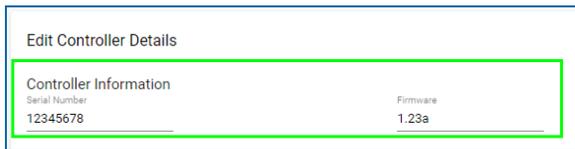
Site Details are entered during the on-boarding process and cannot be edited. the information shows:

- Site Name
- Short Name
- Organization
- Site ID
- Description
- Address
- Country
- State
- City
- Zip Code
- Time Zone

6.3.2.2 Edit Controller Information



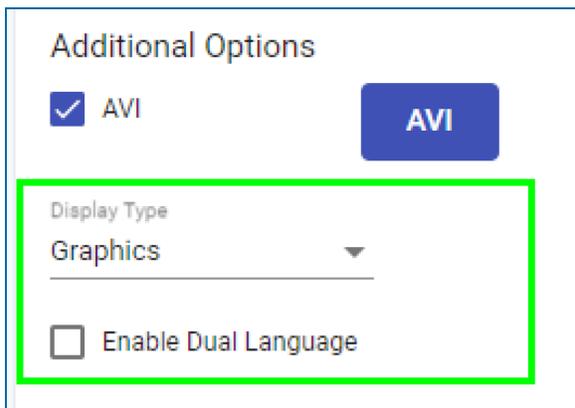
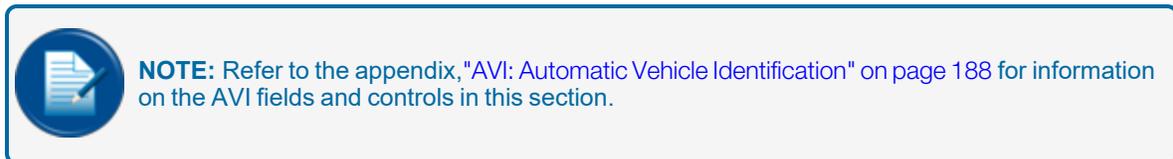
Select **Controller** from the left side menu.



The site controller's software **Serial Number** and current **Firmware** version are populated from initial communication between DX Fleet and the FSC3000.

Select the controls for **Additional Options** applicable to this site.

- If you have **AVI** (See "[Automatic Vehicle Identification](#)" on page 191 for a description) installed at your site, select this option.



- **Display Type:** Select from the drop-down.
 - ◆ 2 X 16: This selection is applicable to K800 Hybrid and other legacy System2 FITs.
 - ◆ Graphics: Use this selection for all other terminals. This is the default value for this field.
- **Enable Dual Language:** Select this option to let the FSC3000 use two languages for messages and prompts.



DEPENDENCY: When this check-box is ticked, the Language drop-down in "Message" on page 97 and "Prompts" on page 98 will show "Language 1" and "Language 2."

Printer

Enable Journal Printer

<p>Printer Preferences</p> <p><input checked="" type="checkbox"/> Enable Auth On Error <input checked="" type="checkbox"/> Stop Line Skip Between Transactions</p> <p><input checked="" type="checkbox"/> Print log on first of month</p>	<p>Additional Fields</p> <p><input checked="" type="checkbox"/> Prompt Responses <input checked="" type="checkbox"/> Account Number and Card Number</p> <p><input checked="" type="checkbox"/> Account, Driver, Vehicle, Odom and Misc.</p>
--	--

- Enable the **slider** for *Enable Journal Printer* if a Journal Printer is installed at the site and connected to your FSC3000 to print a hard copy of transactions as they occur. If this control is enabled the selections that follow will come into view. Select if applicable:
 - **Printer Preferences**
 - ◆ **Enable Auth(orization) on Error:** Authorization will continue even if there is a printer error. The FSC3000 will print when the Journal Printer is back online. If you want hard copy receipts for all of your transactions in real time leave this box blank.
 - ◆ **Stop Line Skip Between Transactions:** The printer adds a blank line between each record. Select this option to have records print in sequence with no line break.
 - ◆ **Print log on first of month:** This is a monthly PCI log files (see "[Payment Card Industry](#)" on page 193).
 - **Additional Fields:** The Journal Printer prints one line of data for each transaction. You can add lines for:
 - ◆ Prompt Responses
 - ◆ Account Number and Card Number
 - ◆ Account, Driver, Vehicle, Odom and Misc.
- Enable the **slider** for *Enable USB Memory Key* if applicable. If this control is enabled the selections that follow will come into view. Select if applicable:
 - ◆ Allow authorization if USB key is not inserted (see "[Universal Serial Bus](#)" on page 194)
 - ◆ **Phoenix Site ID** (required when the USB feature is enabled). If you upgrade from Phoenix software to DX Fleet, you must enter your assigned Phoenix Site ID to use the USB feature.



NOTE: The USB feature was included for users without a Journal Printer to have a means to back up transaction data.

6.3.2.3 FSC COM Port Settings

On the right of the screen there is a settings tab for FSC - COM Port Settings.

- Select the applicable COM **Port** from the drop-down.
- Select the applicable **Baud Rate** from the drop-down.

6.3.2.4 ATG Settings

To the right of the FSC tab is another tab labeled **ATG** (See "[Automatic Tank Gauge](#)" on page 191 of the DX Fleet Glossary). Configure the ATG settings in this tab.

Select the radio button for the applicable ATG console.

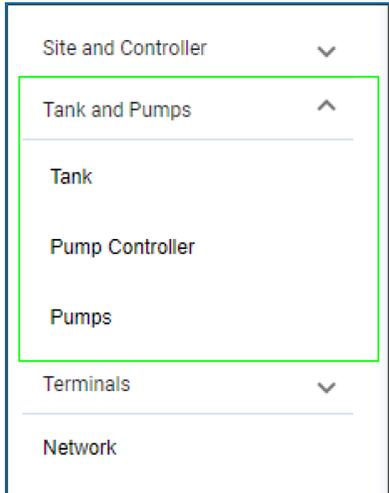
Select the **ATG device installed** check box if applicable.

Enter the **Device ID** if applicable.



DEPENDENCY: Selections in this tab are used to populate the ATG Type in "[ATG \(Automatic Tank Gauge\) Configuration](#)" on page 170.

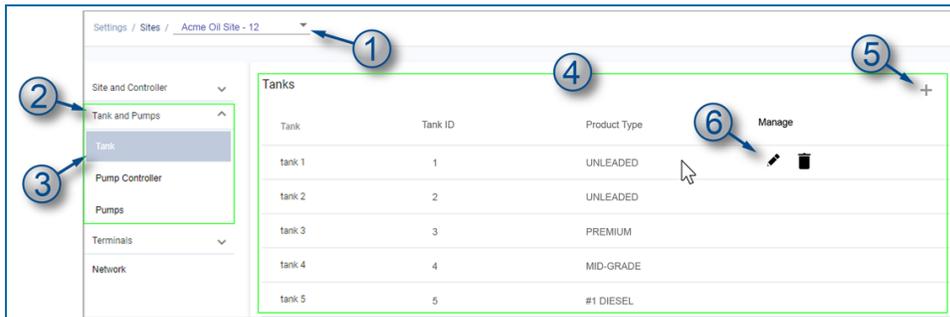
6.3.3 Tank and Pumps



There are three (3) tabs on this menu item to configure tanks, pump controllers and pumps.

6.3.3.1 Tank

This screen is used to configure the tanks in your system.



1. Select a **Site** from the site selection drop-down in the top left of the screen.
2. Select **Tank and Pumps** from the menu to expand the selection.
3. Select **Tank** from the expanded menu. The *Tanks* table view will show in the main panel.
4. The *Tanks* table view shows all configured tanks for the selected site.
5. To add a new tank, select the "+" icon in the top right of the page.
6. To edit a configured tank, select the Edit icon () from the *Manage* column of the applicable tank to be configured. The "Edit Tank Details" page will come into view.

Edit Tank Details

Tanks Tank ID Product Type

Tank 1 1 01 UNLEADED

- Select a **Tank** number from the drop-down.
- The *Tank ID* will populate automatically.
- Select a **Product Type** for the tank from the drop-down.

Click the **Save** button.

6.3.3.2 Pump Controller

This screen is used to configure the Pump Controllers in your system.

The screenshot shows the 'Pump Controller' configuration page. Callout 1 points to the site selection dropdown at the top left. Callout 2 points to the 'Tank and Pumps' menu item. Callout 3 points to the 'Pump Controller' sub-menu item. Callout 4 points to the 'Pump Controller' table. Callout 5 points to the '+' icon for adding a new controller. Callout 6 points to the edit icon in the 'Manage' column of the table.

Controller ID	Installed	Unit Type	Allow Hose Restriction	Manage
1	true	PCT	false	[edit] [trash]
8	true	K800 PCT	false	[edit] [trash]

1. Select a **Site** from the site selection drop-down in the top left of the screen.
2. Select **Tank and Pumps** from the menu to expand the selection.
3. Select **Pump Controller** from the expanded menu. The *Pump Controller* table view will show in the main panel.
4. The *Pump Controller* table view shows all configured pump controllers for the selected site. The columns show the *Controller ID*, *Installed* status of the controller, *Unit Type* (the Pump Control method used) and if *Hose Restrictions* are allowed for the controller.
5. To add a new pump controller, select the "+" icon in the top right of the page.
6. To edit a configured pump controller, select the edit (✎) icon from the *Manage* column of the applicable pump controller to be configured. The "Edit Pump Controller Details" page will come into view.

Edit Pump Controller

DPC

Installed

Unit Type Controller ID

PCT 1

Allow Hose Restrictions

- Enable the **slider** for *DPC* (see "[Direct Pump Control](#)" on page 192) if applicable. If DPC is selected, additional controls will come into view. These will be discussed below.
- Select the **Installed** check box if applicable. "Installed" means that the DPC is active and can be used by a customer. You can remove the check when there are conditions where DPC components must be made inactive/not available (e.g. repairs, maintenance). An error will show on the terminal screen to show that this controller is not in operation.



IMPORTANT: Make sure to go back and select this check-box again in the DX Fleet application when the task is complete. If this is not done, an error will continue to show on the terminal screen.

- Select the **Unit Type** from the drop-down:



NOTE: See the section on Pump Control in the [M1700 FSC3000 Legacy](#) manual for complete information on all current and legacy pump control methods.

- **PCT** (Pump Control Terminal): This pump control type can be configured for up to eight (8) pump positions.
 - **K800 PCT**: This pump control type can be configured for up to eight (8) pump positions.
 - **PCM** (Pump Control Module): See [M00-20-0340 PCM Installation, Operation and Maintenance](#) for information specific to Pump Control Modules.
 - **UPC** (Universal Pump Control): This pump control type can be configured for up to four (4) pump positions.
- Select a **Controller ID** from the drop-down. Numbers that have been configured for other controllers will not be available in the drop-down.



DEPENDENCY: The controllers defined here will be the available selections in the *Pumps for Controllers* drop-down under "Pump" on page 93.

- Select the **Allow Hose Restrictions** check box if applicable. This feature is only available if the DPC slider is enabled or when UPC is selected in the Unit Type drop-down above. This gives the option to use restrictions with this controller.

DPC Settings

When the DPC slider above is enabled, more configuration fields will come into view.

Add Pump Controller

DPC

Installed

Unit Type: DPC Controller ID:

Allow Hose Restrictions

Direct Pump Controller

Pump Type: Trans Delay:

COM Port Setting

Baud Rate: Data Bits:

Parity: Stop Bits:

Direct Pump Controller



NOTE: See the section on DPC (Direct Pump Control) in the [M1700 FSC3000 Legacy manual](#) for complete information on DPC setup for Gilbarco, Gasboy and Wayne dispensers.

- Select the applicable **Pump Type** from the drop-down. The selections are Gilbarco, Gasboy and Wayne.
- Select a **Trans(action) Delay** length from the drop-down. This is only required when **Gilbarco** is selected as the *Pump Type*.

COM Port Setting

- Select the applicable **Baud Rate, Parity, Data Bits and Stop Bits** for the selected DPC controller.

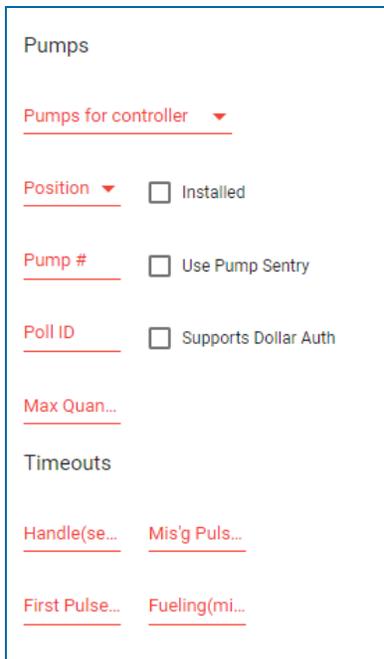
Click the **Save** button.

6.3.3.3 Pump

This screen is used to configure the Pumps connected to your system.



1. Select a **Site** from the site selection drop-down in the top left of the screen.
2. Select **Pumps** from the menu. The *Pump Controller* table view will show in the main panel.
3. The *Pump* table view shows all configured pumps for the selected site.
4. To add a new pump, select the "+" icon in the top right of the page.
5. To edit a configured pump, select the edit (✎) icon from the *Manage* column of the applicable pump to be configured. The "Edit Pump Details" page will come into view.



- In the "Pumps" Add screen, select the applicable **number** from the *Pumps for Controller* drop-down. In the "Edit Pump Details" screen, the number from the *Pumps for Controller* drop-down is selected automatically and cannot be edited.



DEPENDENCY: The available controller numbers are the Controller ID numbers set up under "Pump Controller" on page 90.

- Select the applicable **Position** from the drop-down. This shows the available "Relay" positions available from installed Pump Control Modules. For more information see [M00-20-0340 PCM Installation, Operation and Maintenance](#).



DEPENDENCY: In "Edit" mode the *Pumps for Controller* and *Position* fields will be grayed-out and show that this pump has been configured from the setup in "Pump Controller" on page 90.

When a new pump is added, only pumps that were configured in the Pump Controller configuration will be available in the *Pumps for Controller* drop-down. The only available numbers in the *Position* drop-down will be numbers not configured in the Pump Controller configuration.

- Select the **Installed** check box if applicable. "Installed" means that the pump is active and can be used by a customer. You can remove the check when there are conditions where the pump must be made inactive/not available (e.g. repairs, maintenance).
- Enter the **Pump Number** into the field.
- Select the **Use Pump Sentry** check box if applicable (This option disables the pump if three "Zero Quantity" transactions occur in a row. This can show possible pump or pulser problems).
- **Poll ID:** This field is only available when Gasboy is selected under Direct Pump Controller above. This is used to configure Gasboy pumps in the FSC3000. See the section "DPC – Gasboy Pump Mapping" in [M00.051-00 FSC3000 Command-Line Configuration](#).
- **Supports Dollar Auth(ORIZATION):** This field is only available when Gasboy is selected under Direct Pump Controller above. Select this check-box to use this feature. See "[Dollar Auth\(ORIZATION\)](#)" on [page 191](#) for more information.
- Enter an applicable **Max Quantity**. This is the maximum amount of fuel you want this pump to dispense.
- **Pulses Per Unit:** Specifies the number of pulses per unit of measure of product dispensed. See your pulser manufacturer documentation for information on installation and setup. See "[Pulser](#)" on [page 193](#).
- **Ignore Handle on Auth(ORIZATION):** Select this check-box if you want to permit a pump to be activated if the pump handle is lifted before authorization is complete.
- Enter the applicable **Timeouts:**
 - **Handle** (in seconds): This is the number of seconds after authorization that the pump handle must be operated.
 - **Missing Pulse** (in seconds): The maximum number of seconds between pulses.
 - **First Pulse** (in seconds): This is the maximum number of seconds after the pump handle has been activated before the first pulse is detected.
 - **Fueling** (in minutes): This is the maximum number of minutes permitted to dispense product.

A panel on the right side of the screen will show the available hoses to be configured.

Hoses

1: Product... Tank # Totalizer Totals RFN# Installed

- Select the applicable **Product Type** from the drop-down.
- Select the applicable **Tank #** from the drop-down.
- Enter the **Totalizer** (see "Totalizer" on page 194) from the pump. This tracks the amounts of fuel actually dispensed by the pump. Set the Totalizer to the counter setting on the dispenser's meter.
- The **Totals** field cannot be edited. This shows the total amount of fuel that has been dispensed through all transactions at this pump.
- Select the **RFN#** if applicable (**applicable to AVI systems only**). Here, you can map the RFN numbers that were set up under "Edit Controller Information" (see "AVI: Automatic Vehicle Identification" on page 188 for information on how to configure RFN numbers in an AVI system through DX Fleet.

Click the **Save** button.

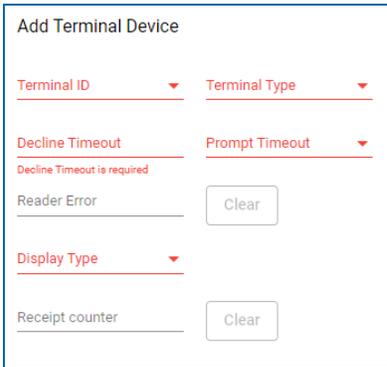
6.3.4 Terminals

There are three (3) tabs on this menu item to configure terminals, messages and prompts.

6.3.4.1 Terminals

Terminal ID	Installed	Terminal Type	Decline TD	Prompt TD	Key Access	Key Length	Receipt	Days to Retrive Receipts	Allow Access P	Manage
1	true	RF500	15	15	false	1	false	0	false	
11	true	C/DPT-PV200	15	15	true	32	false	0	false	

1. Select a **Site** from the site selection drop-down in the top left of the screen.
2. Select **Terminals** from the menu to expand the selection.
3. Select **Terminals** from the expanded menu. The "Terminals" table view will show in the main panel.
4. The "Terminals" table view shows all configured terminals for the selected site.
5. To add a new terminal, select the "+" icon in the top right of the page. The "Add Terminal Device" page will come into view.
6. To edit a configured terminal, select the pencil icon from the manage column of the applicable terminal to be configured. The "Edit Terminal Device" page will come into view.



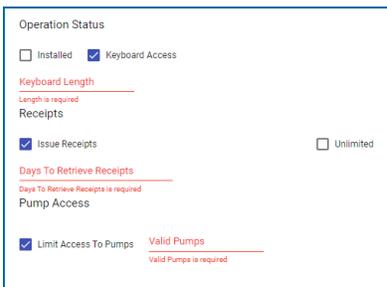
- In the "Terminals" Add screen select the applicable **Terminal ID** from the drop-down. In the "Edit Terminal Device" screen, the number from the *Terminal ID* drop-down is selected automatically and cannot be edited. The Terminal ID selected should match the ID number selected in the terminal programming.



NOTE: When you add a terminal in the Add screen, the numbers for terminals that have been configured before this terminal will not be available in the drop-down.

- Select the applicable **Terminal Type** from the drop-down.
- Enter a **Decline Timeout** in the field if applicable. Enter a numeric value (in seconds) from 1-60. This is the amount of time a non-prompt message will remain on the terminal screen.
- Select the applicable **Prompt Timeout** from the drop-down (in increments of 5 seconds from 15-60). This is the amount of time a prompt message will remain on the terminal screen.
- If a *Reader Error* is detected it will show in this field. Select the **Clear** button to clear the error.
- Select the applicable **Display Type** from the drop-down (Graphics, 2x16, 1X20).
- If the *Receipts counter* is detected it will show in this field. Select the **Clear** button to clear the counter.

A panel on the right side of the screen will show more selections that can be configured.



- **Operation Status**
 - Select the **Installed** check box if the terminal is installed. "Installed" means that the terminal is active and can be used by a customer. This will let the system poll the device.



IMPORTANT: This button is used to **LOAD** a selected default Message Set to be used for the selected site. Once a Message Set is loaded for a site, the messages are saved as the site's *new* Message Set. Whenever you select the **Load** button, whatever had been set as your current Message Set will be overridden by the new default Message Set that you just loaded. All messages that have been previously edited would be lost.



TIP: To edit a message, select the () Edit icon in the Manage column of the row of the message to be edited.

Type the new message in the active field in the Message column.

Select the () Save icon in the Manage column of the row of the edited message.

6.3.4.3 Prompts

Select a **Site** from the Site Selection drop-down in the top left of the screen.

The "Display Prompts" table view shows all configured display prompts for the selected site.

- Select a **Default Prompts Set** from the drop-down that is applicable to your site.
- Select the applicable number for **Language** from the drop-down. If Dual Language is not used only "1" will be available.



DEPENDENCY: Dual Language must be selected in *Enable Dual Language* under "Edit Controller Information" on page 86

- Click the **Load** button. The selected default prompts set will come into view in the display below the controls.



TIP: To edit a prompt, select the () Edit icon in the row of the prompt to be edited.

Type the new prompt in the active field in the Message column. Select a Type from the drop-down. Enter the applicable Min and Max Length values.

Select the () Save icon in the Manage column of the row of the edited prompt.

In the Edit mode, type your prompt message in the *Message* column.

Select a response type from the drop-down in the *Type* column.

Enter a minimum and maximum character length for the response in the *Minimum* and *Maximum* column fields.

Select the Save () icon in the Manage column to save the edited prompt information.

6.3.4.4 Receipt

Select a **Site** from the Site Selection drop-down in the top left of the screen.

There are two (2) tabs on this screen to set up Receipt Headers and Trailers.

Set up your Receipt Headers and Trailers on this screen. You can specify up to four (4) lines for Language 1, Language 2 and Network.



NOTE: If you do not have your system configured to use the Dual Language feature, Language 2 defaults to the primary language.

Click **Save**.

6.3.5 Networks

There are two (2) tabs on this page to configure new networks (*Add Network*) and see the networks that have been configured (*Added Networks*). The *Added Networks* tab opens by default.

6.3.5.1 Added Networks

This tab shows a list of the site's configured networks and opens when you select *Network* in the menu.



NOTE: Up to seven (7) networks can be configured in the FSC3000. The networks that you can configure are limited by the ones you have purchased with your FSC3000.

6.3.5.2 Add/Edit Network

There are four (4) tabs under Add Network :

- Network Information
- Host Configuration
- Fleet/Account
- ISO

Add/Edit Network Information

- Select a **Site** from the site selection drop-down in the top left of the screen.
- Select the applicable **Network** from the drop-down.

- To edit a configured Network, select the edit (✎) icon from the *Manage* column of the applicable Network to be edited. The Edit view for the selected Network will come into view.
- To add a new Network, select the **Add Network** tab.



IMPORTANT: Each Network can be configured differently. Therefore, each network's configuration procedure will be shown separately in the next section.

See Network Configuration for instructions on how to configure parameters for all available Networks.

Host Config

After all networks have been set up, select the **Host Config** tab to set up the host configuration parameters.

Make the applicable selections in this screen for the applicable site. Here you will configure the primary and secondary hosts and modem configurations.



NOTE: A Secondary Host purchased flag for your FSC3000 is required to enable a secondary host. A secondary host is useful to speed up transaction authorizations where more than one network is in use.

1. **Enable Secondary host for processing:** To use a second host for processing card transactions the option flag must have been purchased as a part of your FSC3000 purchase from DFS. Select this checkbox to enable the feature in the application.
2. Select a connection type:
 - **Use TCP/IP connection device:** Select this option if you use a TCP/IP device with direct connection to the host.
 - **Use dial-out connection to host:** Select this option when you use a modem or a System device that emulates a modem for connection. The Modem Configuration options (see below) become active when this option is selected. *Use dial-out connection to host* is selected by default.
3. **Lock host to port:** Select this option to lock the primary host port to a single network. All other available networks will connect through the secondary port. When this option is selected, a list of available networks will come into view under the header *Specific to*. Select the applicable network from the available networks in the list.



NOTE: This option is only available when a secondary host is activated.



IMPORTANT: When a secondary host is in use it is recommended to only lock one of the host ports to a specific network. If both ports are locked, no other networks can get fuel.

4. Select Print options:
 - **Print Price and total on receipt:** Leave this selection un-checked to not print price and total on receipts.



NOTE: For bank cards, the FSC3000 automatically prints price and total even if this box is un-checked.

- **Print Price per unit on use pump message:** This tells the FSC3000 to show the price per unit on the pump message.
 - **Force Capture Time (min):** This is a global setting for the host to capture a transaction within the specified number of minutes after a transaction is complete.
5. Select a Modem Configuration:

When *Lock Host to port* is not selected, the *Modem Configuration* selection list will be shown on the screen. These selections are based on modems that were sold by OPW-FMS:

- **For 33.6k baud HOST modem:** Select this option if a 33.6k baud rate modem is in use at the site.
- **New 2400 baud HOST modem (purchased after 6/05):** Use this setting for a modem purchased after June, 2005.
- **Old 2400 baud HOST modem (prior to 6/05) OR US Robotics:** Use this setting for a modem purchased before June, 2005 or when a US Robotics device is in use.



IMPORTANT: This is the default setting in the FSC3000 and is the preferred setting. However, the purchase date of the modem should dictate your selection because the initialization strings for these modems are different. This setting must be selected when a Systek micronode or Abierto IP Gateway device is in use. For more information on the Abierto and Systec devices see [M00-20-6013 -IP Authorization Gateway](#) and [M00-20-6019 - Micronode Gateway](#) procedure guides under the *Gateway and Wireless* product category in the [FMS Technical Library](#).

- **User defined initialization string:** This can be used as an override to the typical device setting if needed.



IMPORTANT: This feature should only be used by those who understand modem commands and their purpose.

Click **Save** to save the Host Configuration during site edit.

Fleet /Account



INFORMATION: To fully understand how the Fleet Table operates within the FSC3000, read the sub-section Fleet Table under Network Management in the [M00-051.00 FSC3000 Command-Line Configuration](#) manual.

After you have completed *Host Configuration*, select the **Fleet/Account** tab.

Fleet/Account is often referred to as the Fleet Table. This is where you configure the specific settings for limits and access phone numbers for each of the up to seven (7) networks you have available. Up to 20 entries can be programmed.



NOTE: This lets you set up different prompts for the same network card for different company sites or locations.

To edit a Fleet/Account configuration, select the (✎) Edit icon in the Manage column of the row of the network to be edited. The edit screen will come into view.

The screenshot shows a configuration window titled "Fleet Account Information" with a close button (X) in the top right corner. It is divided into three sections, each marked with a circled number:

- Section 1 (Fleet Account Information):** Contains fields for "Network Type" (set to "NBS BANK"), "Prompt Sequence", "Fleet Account Number" (0000000000), "Fleet Account Name" (NBS BANK), "Primary Phone Number", and "Secondary Phone Number".
- Section 2 (Fueling Limit):** Contains "Online" and "Offline" limit fields, both set to "0".
- Section 3 (A & B Codes):** Includes a note: "See ISO table for card-specific limits. Please configure ISO table MAX Authorization \$ Amount for ALL Others Cards. Visa and Mastercard will only Authorize AT \$1". It has three radio button options: "Force Visa and MasterCard transactions to auth at \$1", "Auth ALL transactions at MAX Online Dollar Limit", and "Prompt Cardholder for desired Dollar Authorization Amount". Below are "A Code" (1) and "B Code" (0) fields.

A "Save" button is located at the bottom right of the window.

There are three (3) sections in this screen, *Fleet Account Information*, *Fueling Limit* and *A & B Codes*.

1. Fleet Account Information

- Select the applicable **Network Type** to be configured from the drop-down. The drop-down is populated with the up to seven (7) networks that you previously configured in *Networks* above.
- Enter the applicable **Prompt Sequence**. The prompt sequence defines the order in which prompts are presented to the driver after the driver swipes or enters a card.
- Enter the applicable **Fleet Account Number**: For this parameter you must have knowledge of the cards in use and what the numbers represent (where the first six [6] digits are the ISO number, the next up to 12 digits are the account number and the last four digits are the card number). The ACCOUNT number is what is referenced in this field. Each network has different Account number lengths so you must know what the account number is for the card to enter it into this field.
- Enter the applicable **Fleet Account Name**.
- Enter a **Primary Phone Number** and **Secondary Phone Number** in the fields.

2. Fueling Limit



IMPORTANT: When a fueling transaction is done, the system will look at all fueling limit parameters that are set up in the system and only permit the lowest limit specified.

Depending on the network these settings are used to define the network authorization requested limits by quantity (i.e. gallons) or currency.

- Enter the applicable **Online** limit. This is the maximum allowed when a host connection is available.
- Enter the applicable **Offline** limit: If you have Local Authorization set up, you can specify an offline limit in this field.



DEPENDENCY: Local Authorization must be enabled in each applicable Network's configuration page. See the Network set up instructions for each applicable Network under "Networks" on page 99.

3. **A & B Codes**



IMPORTANT: There can be network specific differences that can have an effect on the information shown in the A & B Codes section of this screen. Different networks can have different available selections. The possible selections are shown below.

- Select one of the **radio buttons**:
 - **Limit by Dollar:** The A code will automatically show "1." The B code can be configured by the user. When this is selected, a max dollar authorization value must be entered in the B Code field.
 - **Limit by Quantity:** The A code will automatically show "0." The B code *cannot* be configured by the user. When this is selected the values entered for *Online* and *Offline* limits are applied (see above).
 - **Force Visa and MasterCard transactions to auth(orize) at \$1:** In order to obtain the best interchange rate for Petroleum based Visa and Mastercard transactions, these cards should be authorized at \$1 and have a final SALE of less than or equal to \$75. While Visa and Mastercard fleet cards must have a final sale less than or equal to \$150. The A code will automatically show "0." The B code *cannot* be configured by the user.
 - **Auth(orize) ALL transactions at Max Online Dollar Limit:** If this option is **not** selected it will cause your customers to incur a Credit Limit Hold on their cards for the "MAX Auth Amount" configured in the ISO table. Debit card users will incur a temporary loss of funds based on this limit, from their checking accounts. If this feature is used it will require that Visa and MasterCard customers must pump more than \$75 and Visa Fleet and Mastercard Fleet customers must pump more than \$150 to "re-swipe" their cards to continue fueling. The A code will automatically show "1." The B code *cannot* be configured by the user.



IMPORTANT: Use of this option can incur a higher processing fee for each Visa and Mastercard transaction.

- **Prompt Cardholder for desired Dollar Authorization Amount:** As a third option you can choose to prompt the customer for a desired dollar amount. The entered value would then be used to authorize their cards provided it is greater than the values shown above. The A code will automatically show "2." The B code *cannot* be configured by the user.

By default the first 16 rows of the table are configured for most of the major cards and you cannot delete or change most of the settings. To enable them for use you must check *Active* in the "Edit" view.

To configure an ISO Table entry (where applicable):

1. **ISO Number:** This is a non-configurable field.
2. **Name:** This is a 16 character card name for purposes of identification. It is recommended to not use spaces.
3. **ISO Card Format:** This sequence of characters is used to define the layout of the Track 2 card data. It tells the site controller how to identify the specific card type.

Character	Meaning
I	ISO #
C	Card Number
L	Luhn Check Digit
=	Must be field separator
M	Month
Y	Year
X	don't care digit or field separator
#	don't care digit
0-9	must be specific digit
>	don't check length to the end or alternate network card

4. **ISO Range Minimum Value:** This is the minimum range value used to identify the specific card type.

5. **ISO Range Maximum Value:** This is the maximum range value used to identify the specific card type.

6. **Max Authorization Dollar Amount:** This field is used by Paymentech to define a card-specific dollar authorization value. See the A&B Codes for Paymentech above.
7. **Digits to Display/Print** You can enter up to a maximum of 20 characters.
8. Select the applicable **Card Type** from the drop-down. This value associates the branding of the card to the logic applied within the FSC3000 for purposes of identification and processing rules.



NOTE: If you configure the ISO for Paymentech and have enabled bankcard PINs, the Prompt for PIN option is available. See Network Options for "Paymentech" on page 138.

9. **Additional Selections**

- **Prompt for Bankcard security code:** If you enable a bankcard security code under an applicable network, you can request a security code for that card.
 - **Print Price on Receipt:** If you select this field it will disable the feature to print the price and total on the cardholder's receipt.
 - **Active:** If this check-box is not selected, this card will not process.
10. Click the **Allowed Products** button. The Allow Products selection screen will come into view.

Allowed Products

Id	Name
<input checked="" type="checkbox"/> 01	UNLEADED
<input checked="" type="checkbox"/> 02	PREMIUM
<input checked="" type="checkbox"/> 03	MID-GRADE
<input checked="" type="checkbox"/> 04	UL DSL#2
<input checked="" type="checkbox"/> 05	#1 DIESEL
<input checked="" type="checkbox"/> 06	#2 DIESEL
<input checked="" type="checkbox"/> 07	DSL#2 DYED
<input checked="" type="checkbox"/> 08	OFF RD DSL
<input checked="" type="checkbox"/> 09	OFFRD B20
<input checked="" type="checkbox"/> 10	BIODSL B20
<input checked="" type="checkbox"/> 11	OIL QUART
<input checked="" type="checkbox"/> 12	OIL GALLON

- Select all applicable Products in the list.
- Click **OK** to save and close the dialogue. Click **Cancel** to close the box and not save.

Click **Save** to save the ISO configuration during site edit.

6.4 Network Configuration

This section shows instructions for the configuration of each available Network's settings.

"Atio.net" on the next page

"Bypass" on page 111

"CFN" on page 113

"COMDATA and Comdata POS" on page 116

"Company Card" on page 118

"EFS" on page 120

"Federated Co-op" on page 122

"FleetOne" on page 124

"Intevacon" on page 126

"Irving Oil" on page 128

"Kardtech" on page 130

"NBS BANK" on page 132

"NBS/FMGC (Fuelman/Gascard)" on page 134

"OPW Generic" on page 136

"Paymentech" on page 138

"Quarels" on page 140

"Quick Fuel" on page 143

"QUIKQ" on page 145

"Shell Canada" on page 147

"TCH" on page 149

"T-CHEK" on page 151

6.4.1 Atio.net

1. Select **Atio.net** from the *Network* drop-down. The parameters for Atio.net network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.

5. **Auth(orization) Message:** The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times:** This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters):** Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Click **Save** to save the Network Information configuration during site edit.

6.4.2 Buypass

1. Select **Buypass** from the *Network* drop-down. The parameters for Buypass network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Re-prompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. When using a Firstdata Micronode IP Converter (in place of a modem) for the processing of Bypass network transactions you must select the **Process transactions using the Firstdata Micronode device** check-box. See [M00-20-6019 Micronode gateway Procedure Guide](#) for more information.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
10. **Download Phone:** This option is provided in case Bypass changes the number. Under normal circumstances you should not have to change this number.
11. **Bypass Network Options:** This feature allows the merchant/site owner to restrict fueling and/or meet requirements (for required fuel training) before allowing credit cards to be processed at an unattended site.



INFORMATION: For a full explanation about the options in this panel, see the section [Network Management > Host Specific Setup Options > Paymentech > #13 Force Bankcard Security Code in M00-051.00 FSC3000 Command-Line Configuration.](#)

12. **AVS (Address Verification Service) Prompting:** This option enables the prompting of ZIP Code and/or House Number prompting. This network can be set up to prompt as a theft deterrent only. To enable this feature, select the **AVS Prompts** button. The Address Verification Service(AVS) Prompts pop-up will come into view. See "[Address Verification Service](#)" on page 191.

Address Verification Service(AVS) Prompts

Prompt for Zip Code on bank cards

Prompt for Billing Address\House # on bankcards

Use AVS prompting as deterrent ONLY. Host responses will be ignored and fueling will always be allowed.

Deny if House# CANNOT be validated or AVS not supported

Deny if Zip Code CANNOT be validated or AVS not supported



INFORMATION: For a full explanation about the options in this pop-up, see the section [Network Management > Host Specific Setup Options > Paymentech > #14 AVS Prompting in M00-051.00 FSC3000 Command-Line Configuration.](#)

Click **Save** to save the Network Information configuration during site edit.

6.4.3 CFN

The screenshot displays the CFN configuration interface. On the left, the 'Network Information' section includes a 'Network' dropdown set to 'CFN', 'Connect Time' (30), 'Reprompt Time' (0), 'Connect Retries' (1), 'Auth Message' (*OFHAVE A SAFE TRIP), and 'On/Off Times' (12:00 AM to 12:00 AM). A 'Comm' button is highlighted with a green dashed arrow pointing to the 'Communication Parameters' dialog box. Below this are 'Local Authorization' and 'Merchant Information' sections. On the right, the 'CFN Network Options' section contains various checkboxes, with 'CFN/Fuelman Dual Network cards' checked. Below it is the 'CFN Batch Processing' dialog box, and at the bottom right, the 'P97 Merchant Id Information' section with a 'Batches' button highlighted by a green dashed arrow.

1. Select **CFN** from the *Network* drop-down. The parameters for CFN network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available

parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS).

Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields can be activated:

- **Pride Advantage Cards:** *Pride Advantage* must be selected under *CFN Network Options* (See #9 below).
- **CFN Cobranded Cards:** *CFN/Fuelman Dual network cards* must be selected under *CFN Network Options* (See #9 below).
- **Chevron Diesel Advantage:** *Chevron Diesel Advantage* must be selected under *CFN Network Options* (See #9 below).
- **Other Gascard Cards:** *Fuelman & Gascard* must be selected under *ISO Based* (See #9 below).
- **All Fuelman Cards:** *Fuelman & Gascard* must be selected under *ISO Based* (See #9 below).

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Other fields under this heading include:

- Originator ID
- Header String
- Card Acceptor Name

10. **CFN Network Options/ISO Based:** These options let you process additional cards on the CFN network. It is recommended that merchant/site owner check with a CFN representative to determine which cards can be enabled for acceptance.



NOTE: To process T-Chek MasterCard Fleet and ISO based cards, they must be enabled in the ISO table. For more information about the ISO Table, see the section [Network Management > ISO Table](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

11. **CFN Batch Processing:** The CFN Network supports transaction processing in batches. Select the **Batches** button to configure CFN Batch Processing. The CFN Batch Processing pop-up will come into view.

CFN Batch Processing

Number of transactions per batch

Max number of transactions if batch could not close

Time to open the new batch

- **Number of transactions per batch:** Once this number of transactions is reached the controller will close the current batch on the CFN host. Enter the applicable **number** in the field.
- **Max number of transactions if batch could not close:** Maximum number of transactions allowed before the system will stop processing CFN network related cards when a batch cannot be closed. Enter the applicable **number** in the field.
- **Time to open new batch:** The time at which a batch will be closed regardless of the current number of transactions. Typically used for end-of-day closure. Select a **time** from the time selector (🕒).

P97 Merchant ID Information: To use a P97 mobile app to process fuel sales, select the **Allow P97 Mobile App Fuel Sales** check-box.

- Enter the applicable P97 Store ID: See the note below
- Enter the applicable P97 Merchant ID: See the note below



NOTE: The Merchant ID number is given to the customer by Fleetcor. Confirm with Fleetcor that the site has been enabled on the P97 network for processing. Enter the Merchant ID into the field. When this configuration is saved, the data is sent to the P97 network and when correctly connected, the Store ID will show. If the connection is not made, you will see a "Bad Request" error message at the bottom of the screen.



IMPORTANT: If you deselect the check from the **Allow P97 Mobile App Fuel Sales** check-box, and then select **Save**, a message will be sent back to the P97 network to turn off all dispensers on the site. P97 will see that the site is now inactive.

Select the **Allow P97 Mobile App Fuel Sales** check-box again to re-link the site and resend the data when you select **Save**.

Click **Save** to save the Network Information configuration during site edit.

6.4.4 COMDATA and Comdata POS

1. Select **Comdata** from the *Network* drop-down. The parameters for Comdata network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(ORIZATION\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **Comdata Network Options:** These check-box selections enable the different MasterCard Fleet cards defined by Comdata for the applicable North American markets to process to this host (when the MasterCard Fleet card is enabled in the ISO table). For more information about the ISO Table, see the section Network Management > ISO Table in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.5 Company Card

The screenshot shows the 'Add Network' configuration screen. The 'Network' dropdown is set to 'Company Card'. The 'Connect Time' is 30, 'Reprompt Time' is 0, 'Connect Retries' is 1, and 'Auth Message' is '*0*FHAVE A SAFE TRIF'. The 'On Time' and 'Off Time' are both set to 12:00 AM. A 'Comm' button is highlighted with a dashed green arrow pointing to a 'Communication Parameters' dialog box. The dialog box contains fields for Baud Rate (2400), Data Bits (7), Parity (Even), and Stop Bit (1). The 'Merchant Information' section shows 'Site/Merchant Id' as 1234567.

1. Select **Company Card** from the *Network* drop-down. The parameters for Company Card network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.

5. **Auth(orization) Message:** The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times:** This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters):** Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Click **Save** to save the Network Information configuration during site edit.

6.4.6 EFS

1. Select **EFS** from the *Network* drop-down. The parameters for EFS network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
10. **EFS Network Options:** When transactions are processed through an Abierto IP converter this option must be selected. It tells the FSC3000 to analyze responsiveness to whether the transactions are being processed over IP or dial-up fallback (when an IP connection cannot be made). When an IP connection is made, the FSC3000 knows that modem based protocol controls are not supported so it should not process the packets as such. For more information about the Abierto IP converter, see [M00-20-6013 -IP Authorization Gateway Procedure Guide](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.7 Federated Co-op

1. Select **Federated Co-op** from the *Network* drop-down. The parameters for Federated Co-op network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **Federated Co-op Network Options:**
 - Synchronize Clock with Host:** Select this check-box to sync the site clock with the TCH host.

Click **Save** to save the Network Information configuration during site edit.

6.4.8 FleetOne

The screenshot displays the 'Add Network' configuration screen for 'FleetOne'. The interface is divided into several sections: 'Network Information', 'Host Config', 'Fleet/Account', and 'ISO'. The 'Network Information' section includes fields for 'Network' (set to 'FleetOne'), 'Connect Time' (30), 'Reprompt Time' (0), 'Connect Retries' (1), 'Auth Message' ('HAVE A SAFE TRIP'), 'On Time' (12:00 AM), and 'Off Time' (12:00 AM). A 'Comm' button is highlighted with a green dashed arrow pointing to a 'Communication Parameters' dialog box. The dialog box contains fields for 'Baud Rate' (2400), 'Data Bits' (7), 'Parity' (Even), and 'Stop Bit' (1). Below the dialog box, there is a 'Local Authorization' section with a checked 'Allow Local Authorization' option and an 'Infinite local authorizations allowed' option. A 'Merchant Information' section is also visible at the bottom.

1. Select **EFS** from the *Network* drop-down. The parameters for EFS network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **FleetOne Network Options:** When transactions are processed through an Abierto IP converter this option must be selected. It tells the FSC3000 to analyze responsiveness to whether the transactions are being processed over IP or dial-up fallback (when an IP connection cannot be made). When an IP connection is made, the FSC3000 knows that modem based protocol controls are not supported so it should not process the packets as such. For more information about the Abierto IP converter, see [M00-20-6013 -IP Authorization Gateway Procedure Guide](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.9 Intevacon

The screenshot shows the 'Add Network' and 'Added Network' tabs. Under 'Added Network', there are sub-tabs for 'Network Information', 'Host Config', 'Fleet/Account', and 'ISO'. The 'Network Information' sub-tab is active. It contains the following fields:

- Network: Intevacon
- Connect Time: 30
- Reprompt Time: 0
- Connect Retries: 1
- Auth Message: *0*FHAVE A SAFE TRIF
- On Time: 12:00 AM
- Off Time: 12:00 AM

A 'Comm' button is highlighted with a green dashed arrow pointing to a 'Communication Parameters' dialog box. The dialog box has the following fields:

- Baud Rate: 2400
- Data Bits: 7
- Parity: Even
- Stop Bit: 1

A 'Merchant Information' section is also visible at the bottom left of the main form, with Site/Merchant Id: 1234567.

1. Select **Intevacon** from the *Network* drop-down. The parameters for Intevacon network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.

5. **Auth(orization) Message:** The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times:** This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters):** Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Click **Save** to save the Network Information configuration during site edit.

6.4.10 Irving Oil

1. Select **Irving Oil** from the *Network* drop-down. The parameters for Irving Oil network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Local Authorization**: (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the

host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

10. **Irving Oil Network Options:** Select the applicable options:

- **Synchronize Clock with Host:** Select this check-box to sync the site clock with the TCH host.
- Process TCH Mastercard Fleet
- Present PPU (Price per unit) Continue prompt for all TCH issued cards
- Present PPU Continue prompt for Irving issued FPS cards
- Present PPU Continue prompt for Shell issued FPS cards

Click **Save** to save the Network Information configuration during site edit.

6.4.11 Kardtech

1. Select **Kardtech** from the *Network* drop-down. The parameters for Kardtech network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



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When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Click **Save** to save the Network Information configuration during site edit.

6.4.12 NBS BANK

1. Select **NBS BANK** from the *Network* drop-down. The parameters for NBS BANK network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information**: Enter your **Site** or **Merchant ID** in this field.

9. **NBS BANK Network Options:** This feature allows the merchant/site owner to restrict fueling and/or meet requirements (for required fuel training) before allowing credit cards to be processed at an unattended site.



INFORMATION: For a full explanation about the options in this panel, see the section [Network Management > Host Specific Setup Options > Paymentech > #13 Force Bankcard Security Code](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

10. **AVS (Address Verification Service) Prompting:** This option enables the prompting of ZIP Code and/or House Number prompting. This network can be set up to prompt as a theft deterrent only. To enable this feature, select the **AVS Prompts** button. The Address Verification Service(AVS) Prompts pop-up will come into view. See "[Address Verification Service](#)" on page 191.

Address Verification Service(AVS) Prompts

Prompt for Zip Code on bank cards

Prompt for Billing Address\House # on bankcards

Use AVS prompting as deterrent ONLY. Host responses will be ignored and fueling will always be allowed.

Deny if House# CANNOT be validated or AVS not supported

Deny if Zip Code CANNOT be validated or AVS not supported



INFORMATION: For a full explanation about the options in this pop-up, see the section [Network Management > Host Specific Setup Options > Paymentech > #14 AVS Prompting](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.13 NBS/FMGC (Fuelman/Gascard)

1. Select **NBS/FMGC** from the *Network* drop-down. The parameters for NBS/FMGC network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

10. **NBS/FMGC Network Options:**

When the FSC3000 processes Fuelman\Gascard cards to this host and, 1) it's a private/customer controller site where, 2) all Gascard cards are assigned to a specific customer account and, 3) the site chooses to enable keyboard entry; this option can be used to allow the Gascard specific cards to be keyed in strictly based on the embossed 6-digit number.

To configure this option:

Enter the 11 digit number that precedes the 6 digit card number embossed on the FuelMan/GasCard card intended for keyed entry. Enter an alpha character to clear the string.



NOTE: Entering an alpha character allows the merchant to clear this setting from use.

Click **Save** to save the Network Information configuration during site edit.

6.4.14 OPW Generic

1. Select **OPW Generic** from the *Network* drop-down. The parameters for OPW Generic network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **OPW Generic Network Options:**
 - Synchronize Clock with Host:** Select this check-box to sync the site clock with the TCH host.

Click **Save** to save the Network Information configuration during site edit.

6.4.15 Paymentech

1. Select **Paymentech** from the *Network* drop-down. The parameters for Paymentech network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information**: Enter your **Site** or **Merchant ID** in this field.

9. **Paymentech Network Options:** This feature allows the merchant/site owner to restrict fueling and/or meet requirements (for required fuel training) before allowing credit cards to be processed at an unattended site.



INFORMATION: For a full explanation about the options in this panel, see the section [Network Management > Host Specific Setup Options > Paymentech > #13 Force Bankcard Security Code](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

10. **AVS (Address Verification Service) Prompting:** This option enables the prompting of ZIP Code and/or House Number prompting. This network can be set up to prompt as a theft deterrent only. To enable this feature, select the **AVS Prompts** button. The Address Verification Service(AVS) Prompts pop-up will come into view. See "[Address Verification Service](#)" on page 191.

Address Verification Service(AVS) Prompts

Prompt for Zip Code on bank cards

Prompt for Billing Address\House # on bankcards

Use AVS prompting as deterrent ONLY. Host responses will be ignored and fueling will always be allowed.

Deny if House# CANNOT be validated or AVS not supported

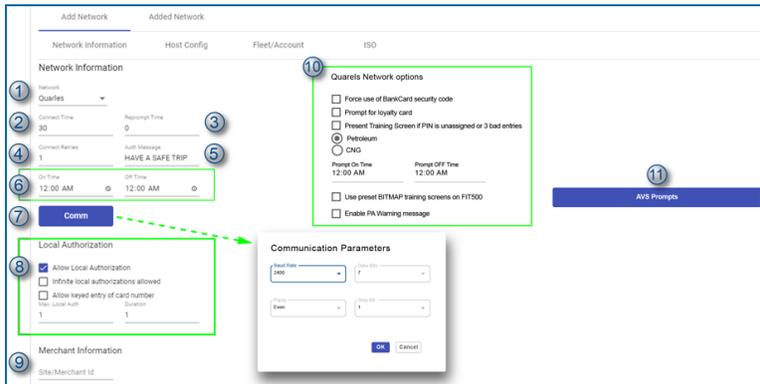
Deny if Zip Code CANNOT be validated or AVS not supported



INFORMATION: For a full explanation about the options in this pop-up, see the section [Network Management > Host Specific Setup Options > Paymentech > #14 AVS Prompting](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.16 Quarels



1. Select **Quarels** from the *Network* drop-down. The parameters for Quarels network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Re-prompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Local Authorization**: Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the

FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

10. **Quarels Network Options:** This feature allows the merchant/site owner to restrict fueling and/or meet requirements (for required fuel training) before allowing credit cards to be processed at an unattended site.



INFORMATION: For a full explanation about the options in this panel, see the section [Network Management > Host Specific Setup Options > Paymentech > #13 Force Bankcard Security Code](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

11. **AVS (Address Verification Service) Prompting:** This option enables the prompting of ZIP Code and/or House Number prompting. This network can be set up to prompt as a theft deterrent only. To enable this feature, select the **AVS Prompts** button. The Address Verification Service(AVS) Prompts pop-up will come into view. See "[Address Verification Service](#)" on page 191.

Address Verification Service(AVS) Prompts

Prompt for Zip Code on bank cards

Prompt for Billing Address/House # on bankcards

Use AVS prompting as deterrent ONLY. Host responses will be ignored and fueling will always be allowed.

Deny if House# CANNOT be validated or AVS not supported

Deny if Zip Code CANNOT be validated or AVS not supported



INFORMATION: For a full explanation about the options in this pop-up, see the section [Network Management > Host Specific Setup Options > Paymentech > #14 AVS Prompting](#) in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.17 Quick Fuel

1. Select **Quick Fuel** from the *Network* drop-down. The parameters for Quick Fuel network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

Click **Save** to save the Network Information configuration during site edit.

6.4.18 QUIKQ

1. Select **QUIKQ** from the *Network* drop-down. The parameters for QUIKQ network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.

5. **Auth(orization) Message:** The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times:** This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters):** Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
9. **QUIKQ Network Options:** Enter the required information:
 - **Password:** This is the site password. The driver will be prompted at the terminal when the *Station Code* is entered.
 - **PinCode:** This is the site PinCode. The driver will be prompted at the terminal when the *Station Code* is entered.
 - **Port:** Select a **Communication Port** from the drop-down.

Click **Save** to save the Network Information configuration during site edit.

6.4.19 Shell Canada

1. Select **Shell Canada** from the *Network* drop-down. The parameters for Shell Canada network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systech IP Converter is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.
8. **Local Authorization**: (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the

host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
- Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
- Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
- Duration: The number of minutes allowed.

9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.

10. **Shell Canada Network Options:** Select the applicable options:

- **Synchronize Clock with Host:** Select this check-box to sync the site clock with the TCH host.
- Process TCH Mastercard Fleet
- Present PPU Continue prompt for all TCH issued cards
- Present PPU Continue prompt for Irving issued FPS cards
- Present PPU Continue prompt for Shell issued FPS cards

Click **Save** to save the Network Information configuration during site edit.

6.4.20 TCH

1. Select **TCH** from the *Network* drop-down. The parameters for TCH network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systemech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(ORIZATION\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **TCH Network Options:** Select applicable options:
 - **Synchronize Clock with Host:** Select this check-box to sync the site clock with the TCH host.
 - **Process T-CHECK Mastercard Fleet:** Select the Process MasterCard Fleet check-box so the FSC3000 can send TCH MasterCard Fleet cards to the TCH host. MasterCard Fleet card must be enabled in the ISO table. To process T-Chek MasterCard Fleet and ISO based cards, they must be enabled in the ISO table. For more information about the ISO Table, see the section Network Management > ISO Table in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.4.21 T-CHEK

1. Select **T-CHEK** from the *Network* drop-down. The parameters for T-CHEK network configuration will come into view.
2. **Connect Time**: The Connect Time option defines the maximum time to stay connected to the network when trying to approve a card. If this time is reached, the transaction will be terminated. The default is 30 seconds.
3. **Reprompt Time**: The Re-Prompt Time option defines how long the system will look back for transactions with the currently swiped card. If a transaction is found, the system will populate certain fields with the same information as before. This setting is useful, for example, when a driver forgets to bring his odometer and must go back to get it. By that time, the transaction has terminated. The driver can then just swipe the card again and make sure the information shown on the screen is correct.



NOTE: DTC systems should be set to zero (0).

4. **Connect Retries**: The Connect Retries is the number of times the FSC3000 will attempt to reconnect with the host after a timeout. The default is 1. If two phone numbers are stored in the Fleet Table, the retries will also occur for the second number.
5. **Auth(orization) Message**: The Authorization Message is the message that will be shown at the terminal after the network card has been approved (when the host itself did not return an authorization message). You can keep the default or type in a new message. The default is 16 characters.
6. **On/Off Times**: This option defines when a specific network can process cards at the site. These times can only be set within the Open/Close times of the site. Use the Time Selectors (🕒) to enter the On Time and Off Time.
7. **Comm(unication Parameters)**: Select the **Comm** button to open the *Communications Parameters* screen. Host communication parameters are set as needed on cold start. If a network is added after installation, it is possible that the communications parameters must be changed. If an Abierto/Systemech

IP Convertor is in use, make sure the network is using the same parameters. Select the available parameters from the applicable drop-downs. Click the **OK** button to save the communication parameters.

8. **Local Authorization:** (Comdata only, not available for Comdata POS). Select the **Allow Local Authorization** check-box to enable the Local Authorization option. The Local Authorization option allows configuration of processing rules if the FSC3000 can authorize network cards offline when the host is down. Not all networks support this feature. If you enable Local Authorization for a specific host you should first confirm with the host that this feature is allowed for the specific site. For more information see "[Local Auth\(orization\)](#)" on page 192.



DEPENDENCY: Network Local Authorization Offline limits can be configured under "[Fleet /Account](#)" on page 102

When *Allow Local Authorization* is selected, additional fields come into view:

- Infinite local authorizations allowed: There is no limit to the number of transactions that can be made when Local Authorization is used.
 - Allow keyed entry of card number: Select this check-box to let the driver enter a card number on the keypad. Risk is increased when this feature is enabled.
 - Max. Local Auth: You can specify a limit to the number of transactions that can be made when Local Authorization is used.
 - Duration: The number of minutes allowed.
9. **Merchant Information:** Enter your **Site** or **Merchant ID** in this field.
 10. **T-CHEK Network Options:**

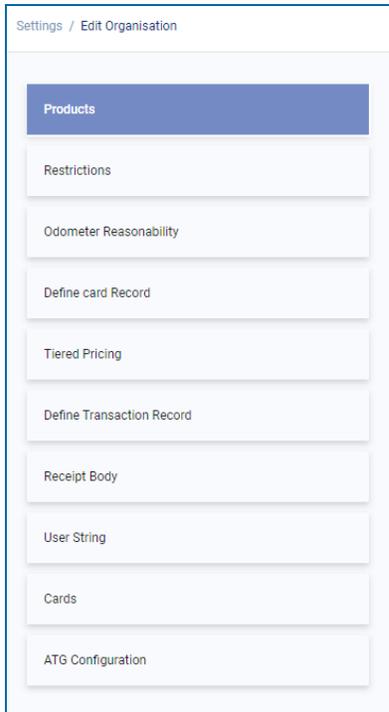
Select the Process MasterCard Fleet check-box so the FSC3000 can send TCH MasterCard Fleet cards to the TCH host. MasterCard Fleet card must be enabled in the ISO table.

To process T-Chek MasterCard Fleet and ISO based cards, they must be enabled in the ISO table. For more information about the ISO Table, see the section Network Management > ISO Table in [M00-051.00 FSC3000 Command-Line Configuration](#).

Click **Save** to save the Network Information configuration during site edit.

6.5 System Configuration

Settings > System Configuration



System Configuration Main Menu

This menu contains 10 tabs to configure parameters for your organization. These parameters are common to all sites.

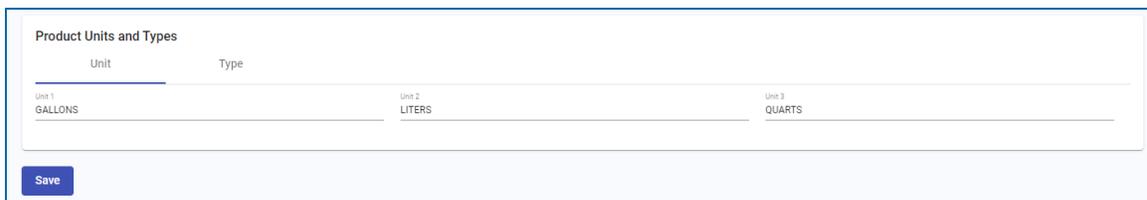
6.5.1 Products

Select **Products** from the System Configuration Main Menu.

There are two (2) tabs on this page to configure (*Product Units*) and (*Product Types*).

6.5.1.1 Unit

The units you enter into these fields are used for product configuration.



Unit	Type
Unit 1 GALLONS	Unit 2 LITERS
Unit 3 QUARTS	

Save

- Enter the applicable **Units** of measure for three units.
- Click the **Save** button to save this configuration.

- Click **Type** to go to the "Type" tab.

6.5.1.2 Type

- Select a product from the list on the left side of the screen. Up to 32 products can be configured.
- The *Product Setup* and *Network Setup* parameters are automatically populated with the NACS (see ["National Association of Convenience Stores" on page 192](#)) Product Code and all of the network code fields.



NOTE: To get a complete list of network product codes contact your network sales representative.

- .Applicable parameters can be edited if necessary.
- **Price Sign Product Grade** support is limited to FeatureMedia™ displays. It is designed to update each price sign face (up to 8 maximum) configured to a specific grade. With this setting you can map the price sign grades to the FSC3000 products. When a price change occurs (in DX Fleet or the command line interface), price updates should occur within 15 seconds.



NOTE: If price sign communications fail, an error message will be displayed on the FSC3000's LCD display.

- Click the **Save** button to save this configuration.

6.5.2 Restrictions

Select **Restrictions** from the System Configuration Main Menu. The restriction settings below are global to your organization.

6.5.2.1 Product Restriction

The Product Restriction tab will open by default.

Product and Quantity Restrictions

Product Restrictions Quantity Restrictions

Select Product				
00	01	02	03	04
05	06	07	08	09
10	11	12	13	14
15				

<input type="checkbox"/> 01 UNLEADED	<input type="checkbox"/> 02 PREMIUM
<input type="checkbox"/> 03 MID-GRADE	<input type="checkbox"/> 04 UL DSL#2
<input type="checkbox"/> 05 #1 DIESEL	<input type="checkbox"/> 06 #2 DIESEL
<input type="checkbox"/> 07 DSL#2 DYED	<input type="checkbox"/> 08 OFF RD DSL
<input type="checkbox"/> 09 OFFRD B20	<input type="checkbox"/> 10 BIODSL B20
<input type="checkbox"/> 11 OIL QUART	<input type="checkbox"/> 12 OIL GALLON
<input type="checkbox"/> 13 ULDETHL10%	<input type="checkbox"/> 14 KEROSENE
<input type="checkbox"/> 15 PROPANE	<input type="checkbox"/> 16 MIDETHL10%
<input type="checkbox"/> 17 NOTDEFINED	<input type="checkbox"/> 18 NOTDEFINED
<input type="checkbox"/> 19 PREETHL10%	<input type="checkbox"/> 20 NOTDEFINED
<input type="checkbox"/> 21 NOTDEFINED	<input type="checkbox"/> 22 DSL2HS RED
<input type="checkbox"/> 23 NOTDEFINED	<input type="checkbox"/> 24 ULOW DSL1
<input type="checkbox"/> 25 ULOWPRMDSL	<input type="checkbox"/> 26 BIODSL B20
<input type="checkbox"/> 27 BIO DSL B5	<input type="checkbox"/> 28 BIODSL B10
<input type="checkbox"/> 29 OFFRDBIOB2	<input type="checkbox"/> 30 OFFRDBIOB5
<input type="checkbox"/> 31 DEF BULK	<input type="checkbox"/> 32 RESTROOM

Save

Product Restrictions let you control which products can be dispensed for cards and accounts defined within the proprietary card file.

- Select a Product Code from the left side panel (00 - 15).



NOTE: The product code 00 is the code for "all products." This cannot be changed.

- Select the applicable Fuel Types from the right side panel.
- Click the **Save** button to save this configuration.



DEPENDENCY: Product Restrictions set up in this screen will populate the Product Restriction drop-downs in "Account Information" on page 28 and the "Account Information Tab" on page 36.

To be active, the Product Restriction option must be selected in "Define Card Record" on the next page.

6.5.2.2 Quantity Restriction

Select the **Quantity Restriction** tab.

Code	Value	Code	Value	Code	Value		
#00	No Restriction	#01	20	#02	40	#03	60
#04	80	#05	100	#06	120	#07	140
#08	160	#09	180	#10	200	#11	220
#12	240	#13	260	#14	280	#15	300

Quantity Restrictions are used to specify volume or currency limits assigned to a card or an account defined in the proprietary card file.

- Select the applicable **radio button** for *Restrict by Volume*, or *Restrict by Currency*.



NOTE: Restrictions are limited for each transaction.

- Enter an applicable **value** for the restriction for each numbered code field (00 - 15) .



NOTE: The code 00 is the code for "No Restriction." This cannot be changed.

- Click the **Save** button to save this configuration.



DEPENDENCY: Quantity Restrictions set up in this screen will populate the Quantity Restriction drop-downs in "Account Information" on page 28 and the "Account Information Tab" on page 36.

To be active, the Quantity Restriction option must be selected in "Define Card Record" below.



6.5.3 Odometer Reasonability

Select **Odometer Reasonability** from the System Configuration Main Menu.

The Reasonability option is used to set a Reasonability *Range* for the miles traveled when a vehicle enters the site to refuel. An entry is thought to be reasonable when the difference between the current entry and the previous entry is within the programmed range.

- If the **Allow Fueling if three bad odometer entries** slider is enabled, fueling is permitted if the odometer is out of the specified range.
- For each code number (01 - 15) enter a **Minimum** and **Maximum** to specify an odometer range.
- Click the **Save** button to save this configuration.

6.5.4 Define Card Record

Select **Define Card Record** from the System Configuration Main Menu.

A screenshot of the "Define Card & Account" configuration screen. The screen has a white background with a blue border. At the top, it says "Define Card & Account". Below that, there are several sections of options. The first section is "Proprietary Cards" with a blue toggle switch and an information icon. The second section is "Use Single Entry System" with three radio buttons: "Driver Only", "Vehicle Only", and "Both". The third section is "Use Dual Entry System" with four radio buttons: "Driver and Vehicle Tracking - Non-Restricted", "Driver Specific Account", "Vehicle Specific Account", and "Driver and Vehicle Tracking - Restricted" (which is selected). Below that is "Driver and Vehicle Tracking - Most Restricted". The next section is "Allow use of Single Entry support under Dual Entry System" with a blue toggle switch. Below that are two columns of checkboxes. The left column includes: "Account Number", "Expiration Date", "Monthly Allocation", "Daily Allocation", "PIN Number", "Card invalid after 3 bad PIN entries", "Save Odometer entries", "Odometer Reasonability", and "Use two different media devices for driver/vehicle record authorization". The right column includes: "Product Restriction", "Quantity Restriction", "Driver/Vehicle/Account Name", "Prompt Sequence", "Verify 1", "Verify 2", "Verify 3", "Force Min Prompt Length", and "Discard Leading Zeros". At the bottom left, there is a blue "Save" button.

This screen is used to set up the parameters for *proprietary cards* at your sites.

For the selections to be enabled on this page, enable the **Proprietary Card** slider. When this feature is activated, Magnetic Cards, ChipKey, RFID (see ["Radio Frequency Identification" on page 193](#)), Keyboard and other entry methods will be issued for use at your sites. The selections in the two panels will then be available.

Select all of the applicable parameters. For radio button selections, only one selection will be available. For check box selections, select all that apply.

Use Single Entry System: Only one entry (driver, vehicle or either) is required to be validated to successfully authorize a pump to dispense fuel.

- Select one of the radio buttons to set the single entry method:
 - Driver entry only
 - Vehicle entry only
 - Driver or Vehicle entry

Use Dual Entry System: The Dual Entry security feature requires both Driver and Vehicle input to be validated to successfully authorize a pump to dispense fuel. Select one of the radio buttons to set the Dual Entry method:

- Driver and Vehicle Tracking - Non-Restricted : Account cross-fueling can be used. When different accounts are used the transaction will be tracked to (select one of the radio buttons):
 - Driver Specific Account
 - Vehicle Specific Account
- IDriver and Vehicle Tracking - Restricted - With Global Driver or Vehicle Records: The transaction is tracked to record with the assigned Account.
- Driver and Vehicle Tracking - Most Restricted - No Account cross-fueling: Driver & Vehicle must be in the same Account.

Enable the **Allow use of Single Entry support under Dual Entry System** slider to turn this feature on. This control is only active when one of the Dual Entry System selections is selected (see above).



DEPENDENCY: When this control is enabled, the card "Operates as Single Entry " slider control will be available on the Cards > PCF Defaults > Driver Defaults and Cards > PCF Defaults > Vehicle DefaultsDetails pages. See ["Driver Defaults" on page 30](#) and ["Vehicle Details" on page 32](#).

Card File Feature Options must be selected here to make them operational in other screens. Select all applicable feature options:

- **Account Number:** A department or company identification number of up to four digits; cards can be grouped together for allocation restriction or reporting by assigning them to the same account.



DEPENDENCY: Account Number must be selected to use ["Tiered Pricing" on page 162](#).

- **Expiration Date:** This option lets you select a date when the card will expire and no longer be operational within the Fuel Site Controller.



DEPENDENCY: This option will only be available in the Add/Edit screens of Cards > Driver/Vehicle Records when it is selected here. See "Driver/Vehicle Records" on page 40.

- **Monthly Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card each month, from midnight of the first day of the month to 11:59 p.m. on the last day of the month.
- **Daily Allocation:** This is the total dollar (monetary value) limit of fuel that can be drawn against a card in a single 24-hour period, from midnight to 11:59 p.m.



DEPENDENCY: The Allocation options will only be available in the Add/Edit screens of Cards > PCF Defaults > Account Details/Driver Defaults/Vehicle Defaults, Cards > Add/Edit Accounts or Cards > Add/Edit Driver/Vehicle Records when they are selected here. See "Account Defaults" on page 28, "Driver Defaults" on page 30, "Vehicle Defaults" on page 32, "Accounts" on page 35, "Driver/Vehicle Records" on page 40.

- **PIN Number:** Select this option to require the entry of a Personal Identification Number.



NOTE: Vehicle records can use a PIN unless a Dual Entry System method is selected.

- **Card invalid after 3 bad PIN entries:** When this option is selected, the system will lock cards from use after three (3) incorrect PIN entries for a single swipe. This is not applicable to accounts, only cards.



DEPENDENCY: This option will only be available in the Add/Edit screens of Cards > Driver/Vehicle Records when it is selected here. See "Driver/Vehicle Records" on page 40.

- **Odometer Reasonability:** This option is used to set a Reasonability range for the miles traveled when a vehicle enters the site to refuel. An entry is thought to be reasonable when the difference between the current entry and the previous entry is within the programmed range.
 - After this feature has been enabled, if this box is unchecked at a later time, a pop-up will come into view that reads:

Notice: Disabling this feature will remove the ability to configure Odometer Reasonability settings for your PCF cards. If desired, odometer prompting can be preserved based on your current setup.

Important: To fully support this change, you must reconfigure the Proprietary card setup on your FSC3000(s) and Resend your card file. Until then, Odometer Reasonability will NOT be enforced at your fueling locations. Any new cards added to your organization will NOT prompt for odometer.

- Select one of the options:
 - ◆ **Preserve Odometer Prompting:** Select this option if you want to turn off Odometer Reasonability while prompting for odometer remains. The way your card file is currently set up is also retained. To go back to Odometer Reasonability will require that you reconfigure the Proprietary card setup in the FSC3000 and then, resend the card file.
 - ◆ **Remove All Odometer Prompts:** This option will remove Odometer Reasonability and all odometer prompts.
 - ◆ **Cancel:** This will send you back to the screen without changes. The Odometer Reasonability check box will remain selected.



DEPENDENCY: When Odometer Reasonability is checked on this screen, note that when cards are edited or added under Cards > Create Driver/Vehicle Records, the slider control **Allow Odometer Entry** ("Allow Odometer Entry" on page 41) will show in the ON position, but will be "grayed-out." This indicates that the Odometer Reasonability option check box (above) has been selected and that all records have Odometer Reasonability in use. To put the "Allow Odometer Entry" slider in operation for individual records, the check box (above) must be deselected under Odometer Reasonability (you must select the "Remove All Odometer Prompts" button in the pop-up message as shown above to deselect the check box and to make the slider active under Create Driver/Vehicle Records.

See "Odometer Reasonability" on page 157 for information on how to configure the Minimum and Maximum range values for each of the Odometer Reasonability codes.



NOTICE: To prevent issues with cards in the DFS cloud, do not enable "Prompt for Odometer" in other screens unless you have **Odometer Reasonability** enabled here.



DEPENDENCY: Odometer reasonability must be selected to use "Tiered Pricing" on page 162.

- **Use two different media devices for driver/vehicle record authorization:** If you use two media devices, Monthly Allocations and Daily Allocations (above) will be disabled.



DEPENDENCY: When this check-box is selected, FSC Presented Media 1 & 2 will be available on the setup screens in Cards > PCF Defaults > Driver and Vehicle Default Settings and in the Add/Edit pages of Cards > Driver/Vehicle Records. When this check-box is **not** selected, the Monthly and Daily Allocations will be available in Cards > PCF Defaults > Driver and Vehicle Default Settings and in the Add/Edit pages of Cards > Driver/Vehicle Records and only if the Monthly and Daily Allocation check-boxes are selected above. See "PCF Defaults" on page 28 and "Driver/Vehicle Records" on page 40 for more information.

- **Product Restriction:** This option contains codes that are used to limit the products that can be used by a vehicle.



DEPENDENCY: See "Product Restriction" on page 155 for Product Restriction configuration.

- **Quantity Restriction:** This option lets you limit the quantity dispensed for each transaction.



DEPENDENCY: See "Quantity Restriction" on page 156 for Quantity Restriction configuration.

- **Driver/Vehicle/Account name:** Lets you assign up to a 9 character name to cards or accounts.
- **Prompt sequence:** This option lets you add up to eight (8) prompts for each card type and account. These added prompts can be set up to have a predefined input such as alphanumeric, numeric, yes/no and hidden with a maximum number of inputs. As with network cards, you can capture and verify prompt information for cards stored in the card record file.
 - **Verify 1:** Can be applied using the same concept as a PIN.
 - **Verify 2:** Can be applied using the same concept as a PIN.
 - **Verify 3:** Can be applied using the same concept as a PIN.
 - **Force Min Prompt Length:** Lets you set a minimum prompt length.
 - **Discard Leading Zeros:** Removes leading zeros from numeric entries. This does not apply to odometer and misc. prompt entries.



DEPENDENCY: Prompt Sequence must be selected for the Extended Prompts tab to be available on the Account Default Settings, Driver Default Settings and Vehicle Default Settings pages under Cards > PCF Defaults. See "Extended Prompts Tab" on page 29 for Accounts, "Extended Prompts Tab" on page 32 for Driver and "Extended Prompts Tab" on page 34 for Vehicle.

Additional Options

Additional Options

Process Voyager As Proprietary Cards

Odometer Mask Cards

Vehicle Allow Keyed Entries

Track2 Position for Gasboy Tiered Discount Indicator

 2

When converting Gasboy formatted cards, starting with four zeros drop digits from

Left Right

The right panel contains selections to set up Voyager cards as proprietary. Use this selection if applicable.



IMPORTANT: Do not use this feature if you are running a bankcard host unless you are willing to accept all payment for Voyager cards.

Also, the *Additional Options* panel has options for Gasboy cards that have an embedded Track 2 Tiered pricing discount number. Because of the many different Gasboy Track2 formats available, the FSC3000 has no knowledge of where to find the embedded tiered pricing code. Therefore, you can use DX Fleet to configure the FSC3000 to identify the position within the card's Track2 data that represents the Tiered Discount indicator.

The Left or Right selections under "*When converting Gasboy formatted cards, starting with four zeros drop digits from*" is given to allow customization to accommodate the maximum number of digits on the card.

- Click the **Save** button to save this configuration.

6.5.5 Tiered Pricing



IMPORTANT: To use tiered pricing, you must have either the Tiered Discounts flag, or the Tiered Accounts flag (see "Set Tiered Discounts" and "Tiered Accounts" in the [M00-051.00 FSC3000 Command-Line Configuration manual](#)), or both tiered flags enabled on the FSC3000.

The Tiered Accounts feature of the FSC3000 is designed to provide "Tiered Pricing" against cards that are always processed to a host enabled within the FSC3000. When this feature is enabled, the FSC3000 forces a specific prompt to always be presented before any other prompt that might normally occur for the card in use.

Select **Tiered Pricing** from the System Configuration Menu.



DEPENDENCY: To use Tiered Pricing, Odometer Reasonability (see "Odometer Reasonability" on page 157) must be configured and Account Number and Odometer Reasonability must be selected under "Define Card Record" on page 157. Allow Odometer Entry must be selected under Cards > Add/Edit Driver/Vehicle Records (see "Driver/Vehicle Records" on page 40). Note that when Odometer reasonability is enabled, the Allow Odometer Entry slider is automatically enabled but is "grayed-out." This indicates that the Odometer Reasonability option check box (above) has been selected and that all records have Odometer Reasonability in use.



INFORMATION: For more information about Tiered Pricing, see "Set Tiered Discounts" and "Tiered Accounts" in the [M00-051.00 FSC3000 Command-Line Configuration](#) manual.

Tiered Pricing Configuration

Product00	01	02	03	04	05	06	07	08	09
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0

You can specify monetary values from 0.001 to 9.999 for each of up to 10 pricing "Tiers" for up to 32 products. Enter the applicable values directly in the fields of the Tiered Pricing Configuration. The page is set up as a table with Products listed in rows and the tier values for each product in columns.

In order to use Odometer Entries when Tiered Accounts is enabled, set all minimum values to zero (0) and maximum to nine (9) if Odometer Reasonability and Multiple Locations are not in use. If Odometer Reasonability is in use, then the Tier and Odometer Reasonability table are shared when using codes 1-20.

- Click the field in the applicable tier value to place a cursor in the field. The cursor will blink to show that the value in the field can be edited.
- Repeat the same procedure for all applicable tiers and products.
- Click the **Save** button to save this configuration.

6.5.6 Define Transaction Records

Transaction Configuration

Options

Wrap Around Write Over Save Unauthorized users

Display Fields

<input checked="" type="checkbox"/> Account, Driver and Vehicle	<input checked="" type="checkbox"/> Quantity
<input checked="" type="checkbox"/> Date and Time	<input checked="" type="checkbox"/> 8 Digit Quantity
<input checked="" type="checkbox"/> Host Capture Date/Time	<input checked="" type="checkbox"/> Price
<input checked="" type="checkbox"/> Transaction Number	<input checked="" type="checkbox"/> Total
<input checked="" type="checkbox"/> Card #1	<input checked="" type="checkbox"/> Odometer
<input checked="" type="checkbox"/> Card #2	<input checked="" type="checkbox"/> Distance Per unit
<input checked="" type="checkbox"/> Product Type	<input checked="" type="checkbox"/> Miscellaneous
<input checked="" type="checkbox"/> Pump Number	<input checked="" type="checkbox"/> Receipt Status
<input checked="" type="checkbox"/> Hose Number	<input checked="" type="checkbox"/> Account Number
	<input checked="" type="checkbox"/> Prompt Entries

Computer Format

Send Prompts in Computer Format

Enable DFS Site extended CF status

6.5.6.1 Options

- The first three options in the Transaction Configuration window include:
 - **Wrap Around:** It is recommended to keep this option selected.



NOTE: If Wrap Around is enabled and the transaction buffer is full, the older transactions will be over-written when new transactions are received.



IMPORTANT: Data will be lost if not polled before wrap around occurs.

- **Write Over:** This option will cause failed or non-captured network transactions to be overwritten when Wrap Around is enabled. This option is recommended to be used with Network authorizations.



NOTE: If this condition is disabled and a failed or non-captured transaction is encountered, the transaction buffer will be flagged as full and the system will display **SYSTEM BUSY BUFFER FULL** on the terminals.

- **Save Unauthorized Users:** This option lets you enable or disable whether the system stores an unauthorized attempt to use the system as a transaction. If this option is disabled, the system will ignore unauthorized user events. Only cases when a pump was activated by the FSC3000 are recorded. If you do not use this option you might see a gap in the transaction numbers. This option is for use with proprietary cards.

6.5.6.2 Display Fields

This section defines what fields are shown when transactions are printed, shown on the terminal screen or sent to external programs.

Select the applicable fields to be shown.

6.5.6.3 Computer Format

- **Send Prompts in Computer Format:** Enable this feature if you will use additional prompting in the proprietary card file or if a network prompt capture is desired.
- **Computer Format Check Data in Header:** When you transfer data to an external system in the computer format an optional data check can be prefixed to the transaction header to provide greater data integrity. The data check includes:
 - The number of records
 - The sum of the quantities for records.
- Click the **Save** button to save this configuration.

6.5.7 Receipt Body

Select **Receipt Body** from the Main Menu. The edit screen will come into view.

Receipt Body			<input checked="" type="radio"/> First Language <input type="radio"/> Second Language
Line Number	Line Text	Data Field	
01	Enter a text CARD #:	[Card 1#]	▼
02	Enter a text CARD #2:	[Card 2#]	▼
03	Enter a text TRANS #:	[Transaction Number]	▼
04	Enter a text PRODUCT:	[Product Name]	▼
05	Enter a text GALLONS:	[Quantity Dispensed]	▼
06	Enter a text PPG: \$	[Price Per Unit]	▼
07	Enter a text TOTAL: \$	[Total Price]	▼
08	Enter a text DRIVER:	[Driver Name]	▼
09	Enter a text VEHICLE#:	[Vehicle Name]	▼
10	Enter a text ACCT NAME:	[Company/Account Na...]	▼
	Enter a text		

A receipt contains a "Receipt Header and Trailer" (refer to "Receipt" on page 99 for more information) which can be different for each site and a **Receipt Body** which is common to all sites. The receipt body can be up to 20 lines long. If the *Second Language* feature is enabled, receipts can be issued in either language and the Language drop down will be enabled. For each line of the receipt body, text (up to 10 characters) can be printed along with optional data. The optional data is one of 37 different transaction variables such as card number, product name, price, etc.

- Change any of the variables by selecting from the drop down. Change the text by entering it into the provided field.
- Click the **Save** button to save this configuration.



NOTE: Receipt Body is specific to proprietary transactions only.

6.5.8 User String

Select **User String** from the System Configuration Main Menu. The edit screen will come into view.

Create User Field Labels [...more](#)

Card user 1 Crd User 1	Card user 2 Crd User 2
Account User 1 Acct User 1	Account user 2 Acct User 2
Miscellaneous Entry Title Misc	Company Name ACME Oil Corporation

Create Proprietary Prompts [...more](#)

Proprietary 1	Proprietary 2
Proprietary 3	Proprietary 4

Save

6.5.8.1 Create User Field Labels

This panel of the screen is used to enter your own field names on the Account and Card pages to collect data for the specific records.

The *User String* option lets you specify custom labels for specific fields for use in the application.



NOTE: When this option is used a label must be entered for all fields.

Click the applicable **field** in the screen to place a cursor in the field. The cursor will blink to show that text in the field can be edited.

Enter the applicable **text**. Up to 20 alphanumeric and special characters will be accepted.

- **Card User 1** and **Card User 2** fields are used for useful user data. Some suggested labels for these fields are VIN # (see "[Vehicle Identification Number](#)" on page 195), Vehicle Class, Driver Phone Number, Vehicle License Plate #, or whatever serves the best purpose.
- **Account User 1** and **Account User 2** fields help to gather useful information. Some suggested labels for these fields are Discount Rate, Paid Through Date, Review Date, Alternate Contact Name, or whatever serves the best purpose.
- The **Miscellaneous Entry Title** field lets you specify an accurate reference label to the numerical data collected by the FSC3000's Miscellaneous prompt.

6.5.8.2 Create Proprietary Prompts.

When extended prompts are in use you can enter up to 4 prompts of your own, specifically used for Proprietary Cards. Proprietary Prompts can be up to 50 characters.



NOTE: Proprietary Prompts cannot be used with an EMV (see "Europay MasterCard and Visa" on page 192) terminal.

- Click the **Save** button to save this configuration.

6.5.9 Cards

Select Cards from the System Configuration Main Menu.

There are two (2) tabs on this page to configure *Card Status* codes and *Card Types*.

6.5.9.1 Card Status

Card Status and Card Type	
Card Status	Card Types
00	Valid
01	Invalid, FSC invalidated
02	Invalid, 3 Bad PINS
03	Invalid, Over Fuel limit exceeded
04	Invalid, Manager Disapproved
05	Locked Out - Bad Credit
06	Locked Out - Card Lost
07	Check
08	Description
09	Description
10	Description
11	Description

This screen is used to specify card status codes. There are 16 codes (00 - 15). Codes 00 through 03 and 14, 15 are preset and cannot be configured. Codes 04 - 13 are user configurable. The codes in this table are used to populate the drop-down in the *Driver/Vehicle Records* in the "Cards" menu (on the DX Fleet blue Main Menu bar). A status of Valid (Code 00) specifies that this record can refuel. The other remaining values will set a record's status to Invalid.

- Click the **Save** button to save this configuration.

6.5.9.2 Card Types

Select the **Card Types** tab.

Card Status and Card Type	
Card Status	Card Types
1	FMCLASSIC
2	GCACCESSORIG
3	FuelMan PLUS (FMPLUS)
4	Gascard ACCESS (GCACCESS)
5	Gascard SINCLAIR (GCSINGCLAIR)
6	VISA CARD
7	MC CARD
8	AMEX CARD
9	DISCOVER CARD
10	DINERS CARD
11	INTERACT_DBT
12	BANKSPARE1

The Card Type table is used within the FSC3000 for control of processing rules. It provides the FSC3000 knowledge of what the card is to determine what networks are able to process and if the card is a PCI controlled card type.

This card type table is also made available during transaction polling in the "MISC" field of the transaction CF format.



NOTE: Not every card listed can be added to the ISO table for processing. Consult OPW-FMS Tech Support to determine the proper use and configuration of ISO table card definition.

The table is a list of the defined Multi-trucking card type codes. Codes 6 -19 are the PCI controlled card types.

- Click the **Save** button to save this configuration.

6.5.10 ATG (Automatic Tank Gauge) Configuration

Select **ATG Configuration** from the System Configuration Main Menu.

Enter the applicable information to configure a site ATG console.

Click **Save**.



DEPENDENCY: The ATG Type drop-down is configured in ["ATG Settings"](#) on page 88.



NOTE: Contact your DFS representative for help with configuration of ATG sites.

6.6 Pricing

Settings > Pricing

There are two panels on this page. The panel on the left shows *Current Product Price* data. The *Price* field of the *Update Product Price* panel on the right can be edited.

The screenshot shows the 'Settings / Pricing' page. At the top right, there is a dropdown for 'Active Site' set to '9113-Indian Oil One' and a 'Status' field set to 'Price Sent'. The page is divided into two main panels. The left panel, titled 'Current Product Price', displays a table with five rows of product information. The right panel, titled 'Update Product Price', displays a similar table with five rows, where the 'Price' field is highlighted with a blue border, indicating it is the active field for editing. A 'Send Price' button is located at the bottom right of the 'Update Product Price' panel.

Product ID	Description	Price
1	UNLEADED	122,000
2	PREMIUM	11,000
3	MID-GRADE	1,000
4	UL DSL#2	1,000
5	#1 DIESEL	1,000

- Select an **Active Site** from the drop-down at the top right of the page. The products that have been configured for Tanks (refer to "Tank and Pumps" on page 89) will come into view in the *Current Product Price* panel on the left side of the page. Products will be identified by their *Product ID* and *Description*. The left panel shows each product's current price.
- To set a price for a product type, go to the *Update Product Price* panel on the right side and enter the applicable **price value** into the *Price* field for the applicable Product ID.
- Click the **Send Price** button to send the updated price information to the FSC3000.
- The latest product price information will show in the *Last Updated Product Price* panel.
- The **Status** field on the top right of the page will show if the *Send Price* was successful.

6.7 Fuel Zones

Settings > Fuel Zones



DEPENDENCY: Fuel Zones must be configured here to populate the Fuel Zone drop-down fields under Cards > PCF Defaults and Cards > Driver/Vehicle Records. See "PCF Defaults" on page 28, "Driver/Vehicle Records" on page 40.

The **Fuel Zones** option in the Settings menu lets you configure lists in relation to geographic areas. This feature lets you define rules as to where a card can get fuel and to help control the quantity of cards that are managed at a specific site. This feature also helps to make the best use of the Card Level Memory in the FSC3000.

Zone Name	Zone Sites	Manage
Eastern	Philly, Baltimore, Trenton	
Midwest	Chicago, Indy, Milwaukee	 EDIT FUEL ZONE
Southwest	Phoenix, San Bernardino	

Items per page 10 1 - 9 of 9

The table of the "Fuel Zones" screen shows the Fuel Zones that have been configured for your organization. It shows a *Zone Name* column and the sites that are included in that zone in the *Zone Sites* column.

To update a Fuel Zone in the table view, select the Edit () icon under the Manage column for the applicable Fuel Zone. To add a new Fuel Zone, click the Add () button to open the **Create Fuel Zone** page.

Settings / Edit Fuel Zone

Fuel Zone Name
Eastern

Available Sites

Raleigh
Eugene
Seattle
Reno

Philly
Baltimore
Trenton

Select All Cancel All Update Cancel

To add a new Fuel Zone, enter a **Fuel Zone Name** in the field. During Edit, the name selected in the previous screen will show.

- Select all applicable **Sites** in the *Available Sites* table in the left panel. Hold the **Ctrl** button on your keyboard as you click to highlight items to select multiple items.
- Click **Add** at the top of the panel to move the selected items to the *Selected Sites* list in the right panel.

Click the **Update** button to save this configuration or **Cancel** to return to the Table View.

6.8 Terminal Window

Settings > Terminal Window

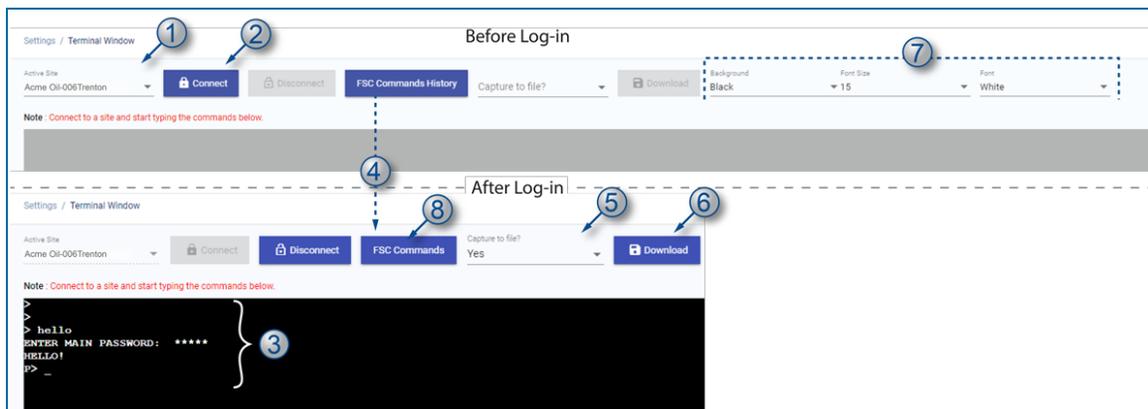
This page is the command-line interface for DX Fleet that can be used for programming and maintenance tasks. This page can be used by Technical Support and users familiar with the programming language.

The Terminal Window is used to open live communication to the site controller through DOS terminal emulation. The terminal window can be used to change the settings of the fuel site controller such as the price, add a pump or change display messages.



INFORMATION: To get information about programming the FSC3000 refer to [M00-051.00 FSC3000 Command Line Configuration](#).

6.8.1 FSC Commands History

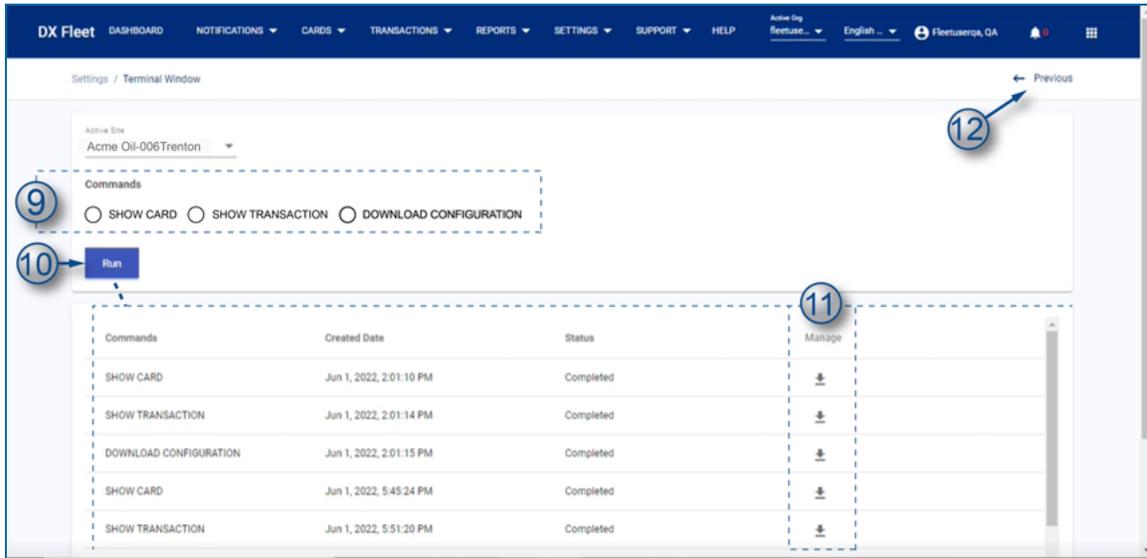


As of Revision 2, the FSC Commands History button was added. This will let a user see up to three of the most used commands that occurred in the last 24 hours.

1. Select an **Active Site** from the drop-down.
2. Click the **Connect** button to connect to the site.
3. At the > command prompt, log in to the FSC3000 with your log in credentials.
4. The **FSC Commands History** button will change to **FSC Commands**.

Programming and data capture from the FSC3000 can now be done through the Terminal Window.

5. Select **Yes** from the Capture to File drop-down to save all Terminal Window activity.
6. Click the **Download** button to download the captured file.
7. Use the drop-downs at the right of the Terminal Window screen to customize the Background color, Font Size and Font color of the Terminal Window.
8. Click the **FSC Commands** button to go to the *Commands* view.



9. An **Admin** (or Admin created User) that is logged-in through the Terminal Window can get access to all three (3) of the selections of the FSC Commands History:
- Show Card
 - Show Transaction
 - Download Configuration: This selection is used to see all of the "SHOW" commands that were issued to configure the system.

 **NOTE:** A logged-in user with a partial password log-in can only get access the Show Card selection.

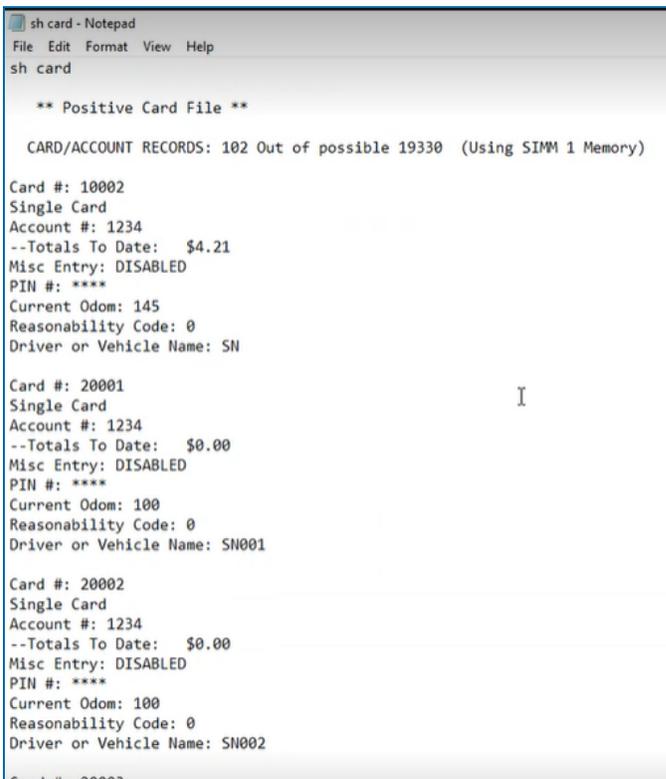
 **INFORMATION:** Refer to the "Passwords" section of M00-051.00 FSC3000 Command-Line Configuration Manual for more information on how to set up passwords for admins and users.

Select one (or more if applicable) of the available **Commands**.

10. Click the **Run** button. The list of selected command records will show in the table view with each command's *Created Date* and *Status*.

 **NOTE:** The records in this table view are only available for 24 hours from the time they are requested . The system will remove these records after 24 hours.

11. In the Manage column, you can select the Download (↓) icon of an applicable record to download it to your machine.



```
sh card - Notepad
File Edit Format View Help
sh card

** Positive Card File **

CARD/ACCOUNT RECORDS: 102 Out of possible 19330 (Using SIMM 1 Memory)

Card #: 10002
Single Card
Account #: 1234
--Totals To Date: $4.21
Misc Entry: DISABLED
PIN #: ****
Current Odom: 145
Reasonability Code: 0
Driver or Vehicle Name: SN

Card #: 20001
Single Card
Account #: 1234
--Totals To Date: $0.00
Misc Entry: DISABLED
PIN #: ****
Current Odom: 100
Reasonability Code: 0
Driver or Vehicle Name: SN001

Card #: 20002
Single Card
Account #: 1234
--Totals To Date: $0.00
Misc Entry: DISABLED
PIN #: ****
Current Odom: 100
Reasonability Code: 0
Driver or Vehicle Name: SN002

Card #: 20003
```

Sample Downloaded Record for a Selected Show Card Command

12. Use the Previous button to go back to the Terminal Window view.

6.9 Audit Log

The Audit Log menu item is available only to Admin users. This will show an audit of

Settings / Audit Logs

1 Start Date: 3/28/2022 End Date: 5/27/2022

2 Module Name: global, settings, transaction

3 Operation Type: update, create, delete, read

1. Use the **Date Selector** to select a **Start** and **End** date. The DX Fleet application will show the complete Audit Log for the selected date range.
2. Select the **Module Name** drop-down. This filter lets you select from three (3) modules; global, settings and transactions. The table will adjust to show only selected Modules.
3. Select the **Operation Type** drop-down. This filter lets you see only selected operations in the table view.

Date And Time	Module	Organization Name	User Name	Operation Type	Operation Details	Result	Transaction Details
Apr 11, 2023, 2:41:24 PM	DX Pay	NorthCor	ed.stark@NorthCor.com	update	PaymentAuthorized	200	
Apr 11, 2023, 2:41:22 PM	DX Pay	NorthCor	ed.stark@NorthCor.com	update	PaymentAuthorized	Initial Auth Request	
Apr 11, 2023, 12:15:35 PM	Site OnBoarding	NorthCor	rob.stark@NorthCor.com	Update	UpdateSEStatus	success	
Apr 11, 2023, 12:07:29 PM	Site OnBoarding	NorthCor	yvette@rayder.com	Update	UpdateSEStatus	success	
Apr 11, 2023, 12:07:24 PM	Site OnBoarding	NorthCor	ed.stark@NorthCor.com	Update	UpdateSEStatus	success	
Apr 11, 2023, 12:07:18 PM	Site OnBoarding	NorthCor	ed.stark@NorthCor.com	Update	UpdateSEStatus	success	
Apr 11, 2023, 11:01:45 AM	Transactions	NorthCor	tedg@pike.com	Update	UpdateTransactionsStatus	success	
Apr 11, 2023, 11:01:45 AM	DX Pay	NorthCor	ed.stark@NorthCor.com	update	SetPumpStatus	MPPClientService requ...	
Apr 11, 2023, 11:01:40 AM	DX Pay	NorthCor	rob.stark@NorthCor.com	update	SetPumpStatus	Initial Capture Request	
Apr 11, 2023, 11:01:37 AM	Transactions	NorthCor	cat.stark@NorthCor.com	Update	UpdateTransactionsStatus	success	

The Table View of the Audit Log will show:

- Date and Time
- Module
- Organization Name
- User Name
- Operation Type
- Operation Details
- Result

Select the **View** () icon under Transaction Details to see a complete view of the full transaction.

Attribute	Value
Record ID	0467d63f-be10-476e-b8b2-ea9a40cd1285
Application Name	DxFleetNorthCor
User Name	
Category	AuditLog
Module	DX Pay
Organization Name	NorthCor
Date And Time	Apr 11, 2023, 2:41:24 PM
Operation Type	update
Operation Details	PaymentAuthorized
Result	200

Path	Old Value	New Value

Section 7 Support Menu

The items in this menu are primarily used by Technical and Global support.

["Onboarding" on the next page](#)

["Mobile Support" on page 181](#)

["Sync Transaction" on page 182](#)

["Support View" on page 183](#)

["Demo Suite" on page 184](#)

["Notification Management" on page 185](#)

7.1 Onboarding

The Onboarding screen has two tabs, Organization Information and Site Information.

The **Organization Information** tab shows the Organization ID, Organization Name, Address, City State, Country and Device Type. If there is more than one Device Type available, a "Select" drop-down will show.

Once a Device has been selected, click the  Login icon. Follow the prompts to log in to the selected device.

The **Site Information** tab shows available organizations in the left panel. Search or scroll to select an Organization. The Sites related to that organization will come into view in the right panel. Information includes, Site ID, Site Name, City, Zip Code, State and Country.

To onboard a site, Click the  icon and follow the prompts.

7.2 Mobile Support

The Mobile Support menu item is available only to Admin users.

Select an **Account(s)** from the Account Selection drop-down and **Record(s)** from the record Type drop-down.

Click the **Filters** button.

Select a **Record #/Name** from the filtered results in the left panel to edit. The selected Record Name will come into view in the right panel where the Email ID can be entered or edited. Select the check-box under "Mobile Support" to make this feature available for the selected record Name.

7.3 Sync Transaction

The Audit Log menu item is available only to Admin users.

Select a **Site** from the drop-down. Select a **Start Date** and **End Date** from the *Time Selector*. Click Apply to begin the Sync Transaction process

7.4 Support View

The Support View shows all applicable Organizations, if there is a critical condition of a site's Edge device or if an Organization's sites are in a Normal condition.

You can click on the red tile at the top of the page to filter all of the "Critical" Sites, click the green tile to filter all the "Normal" Sites or you can use the Search bar at the top right of the screen. Results will begin to filter as you type.

Select an Organization tile to go to a Site view that shows Site ID, Site Name, Edge Status, Service Engine Status and service Engine Version.



NOTE: Service Engine Status and service Engine Version will only show for a site when its Edge device shows in a normal, Online condition.

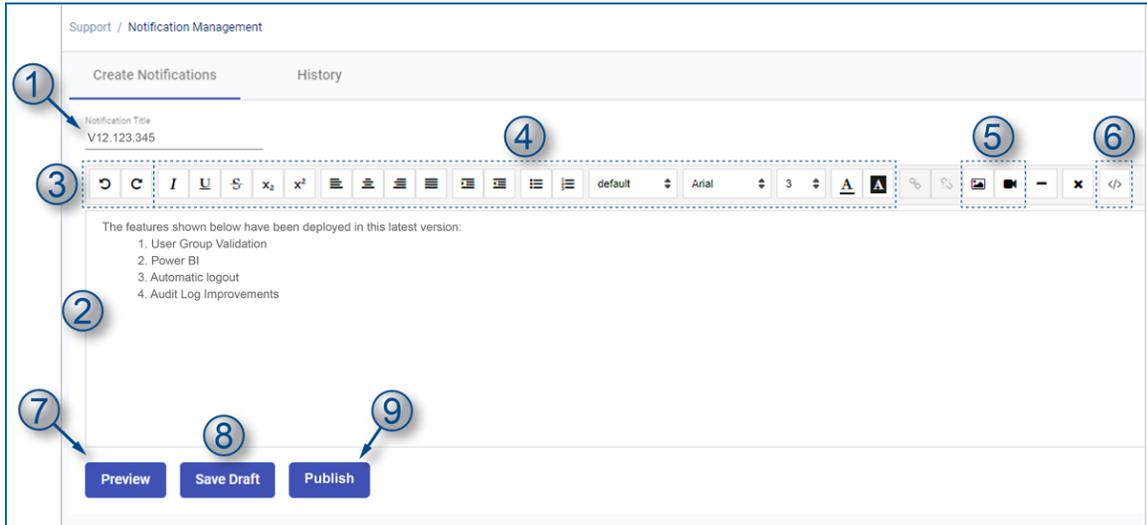
7.5 Demo Suite

The Demo Suite is only used by developers to show features to selected internal personnel.

7.6 Notification Management

Selected personnel have been permitted to have access to enter notifications for new versions and other important messages when the application has been updated. These notifications can be useful to communicate helpful information to customers and users.

The features of this Support Menu item are shown below.



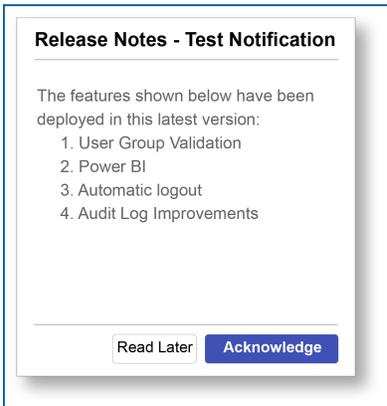
There are two (2) tabs on the "Notification Management" screen:

- Create Notifications
- History

Create Notifications

1. Enter a **Notification Title** in the text field.
2. The bottom panel is the area where your information will be entered.
3. **Undo** and **Redo** buttons.
4. Use the **Text Formatting** buttons to apply formatting to the text you enter in the bottom panel.
5. **Media** buttons: You can add images and video to your notifications. Click one of these buttons to bring up a dialogue to navigate to and upload media files that will show in the bottom panel.
6. Click the `</>` button to enter HTML code.
7. Click the **Preview** button to see a preview of what your notification will look like when published to the application.
8. Click the **Save Draft** button to save your work to edit or publish later.
9. Click the **Publish** button to send the notification to the app to be seen by customers and users of the app.
 - When you click the Publish button a time selector will come into view. Select a Date Range for the publication of the notification.

- While the notification is active in the app, users will see the notification when they log in during the date range that was selected above.



Users will see the notification once they log in. They have two (2) options:

- Select the **Read Later** button. The notification will come into view the next time the user logs in.
- Select the **Acknowledge** button to close the notification. The notification will no longer show upon log in. However, if the user wants to see the notification again they can click the **Notifications** (bell icon) button in the top right of the screen. The Release Notifications selection in the pop-up will show all remaining active notifications.

History

Support / Notification Management				
Create Notifications		History		
Name	Valid From	Valid Till	Status	Manage
test notification	1/15/2023	3/12/2023	Active	
Test Notification 2	12/8/2022	12/14/2022	Inactive	
Test Notification in Sig	11/12/2022	11/15/2022	Aborted	

Items per page: 10 | 1 - 3 of 3 | < > >>

The History tab will show the notification Name, the Valid date range, and Status of the notification.

Under the Manage column for each record row there is a **Clone** button. Select this button to make a clone copy of the notification in the selected row. It will open in the Create Notifications tab where it can be edited.

Section 8 Help

Click the Help link in the Main Menu bar to get access to DX Fleet resources.

8.1 Contact Us

Under the Contact Us heading there are links for:

- dfsdxsupport@doverfs.com: Select this link to open an email dialogue where you can send an email to the Technical Support team with your questions.
- Knowledge Base: Select this link to find more available resources.
- Submit a Request: Select this link to open a support request form. Fill out the form as completely as possible before you submit.

8.2 Training Videos

A selection of training videos can be found in the bottom panel.

Appendix A - AVI: Automatic Vehicle Identification

Use this appendix if you have AVI Installed at your site. Cross-references are used in this appendix to take you to related manual sections.



INFORMATION: For information on the DFS AVI solution:

Download the sales brochure [here](#).

Download the technical manuals for AVI from the FMS Technical Library [here](#).

Edit Controller Information (see "Edit Controller Information" on page 86)

Settings > Sites > Controller > Edit Controller Details

Edit Controller Details

Controller Information

Serial Number	Firmware
12345678	1.23a

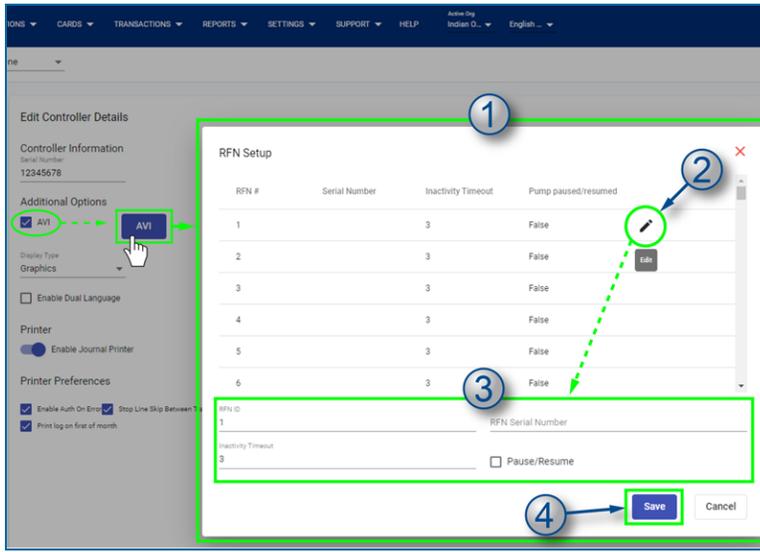
Additional Options

AVI AVI Enter Odometer at FIT
(Single Tag use only)

Display Type
Graphics

In the "Edit Controller Details" screen under *Additional Options*:

- Select the AVI check-box. Two controls become active:
 - The *Enter Odometer at FIT* check-box will be in its ON condition. Select this check-box if you want drivers to be prompted to enter their odometer readings at the terminal. This is only for vehicles with single tags only.
 - A blue AVI button will come into view. Select this button to open the *RFN Setup* screen (see "Radio Frequency Nozzle" on page 193).



1. You can configure up to 99 RFN numbers on this screen
2. Hover over the applicable RFN# to be configured from the list panel and select its Edit  icon. Configurable fields for the selected RFN will come into view:
3. Configure the parameters for the selected RFN:
 - The RFN# is automatically entered and cannot be changed.
 - Enter the Serial Number of the applicable RFN in the RFN Serial Number field.
 - Enter the applicable (user preference) **interval** (in seconds) for the Pause/Resume option in the *Inactivity Timeout* field. The default value is three (3) seconds (to a maximum of 999 seconds).



IMPORTANT: The larger the value of the *Inactivity Timeout*, the greater the risk that a driver can steal fuel. Therefore, it is recommended to use the default value of three (3) seconds to prevent the possibility of theft.

- Select the Pause/Resume check-box if this option will be used. The "Pause/Resume" option lets the driver stop fuel dispensing for a specified time and not close the sale.



NOTE: The "Pause/Resume" feature is only available for electronic dispensers. A value entered in the *Inactivity Timeout* field will stop the pump after the specified timeout when used with mechanical dispensers or electronic dispensers that do not use the Pause/Resume feature.

4. Click **Save**.



TIP: For more information on RFN programming, see the [M1044-RFN RFN Programming Startup](#) guide.

Appendix B - DX Fleet Glossary

Term/Acronym	Meaning	Information
ATG	Automatic Tank Gauge	An electronic device that monitors the fuel and water levels in a tank. An ATG is used with a network of probes and sensors to monitor fuel parameters (e.g. temperature, density) and data analysis to determine loss through leaks or theft.
Auth	Abbreviation for Authorize or Authorized	
AVI	Automatic Vehicle Identification	The OPW-FMS AVI system uses a system of wireless electronic components that interface with an FSC 3000 Fuel Site Controller to protect sites during unattended fueling operations by automatically capturing and transmitting data.
AVS	Address Verification Service	An address verification service (AVS) is a service provided by major credit card processors to enable merchants to authenticate ownership of a credit or debit card used by a customer.[1] AVS is done as part of the merchant's request for authorization in a non-face-to-face credit card transaction. The credit card company or issuing bank automatically checks the billing address provided by the customer to the merchant against the billing address in its records, and reports back to the merchant who has the ultimate responsibility to determine whether or not to go ahead with a transaction. (Wikipedia)
Dollar Auth(ORIZATION)		When a bankcard (Visa, MasterCard) is swiped, the FSC3000 will connect to the network and pre-authorize before the cardholder can fuel. Pre-authorization occurs since the final dollar amount of pay-at-the-pump transactions are not known until the end of the sale. Under Visa and MasterCard rules, issuing banks place a hold on a card holder's account for transactions originating from an automated fuel system for \$1. From an authorization perspective, the approval of a \$1 pre-authorization request allows a transaction of \$75 or \$150 (depending on card type). These limits are defined by Visa and MasterCard and when dollar authorization is enabled, the FSC3000 controls these limits as defined.

DPC	Direct Pump Control	This is an electronic dispenser control solution that lets the FSC3000 directly control electronic dispensers through the manufacturer's dispenser protocol.
EMV	Europay MasterCard and Visa	EMV is a payment method based upon a technical standard for smart payment cards and for payment terminals and automated teller machines which can accept them. EMV originally stood for "Europay, Mastercard, and Visa", the three companies that created the standard. (Wikipedia)
FIT	Fuel Island Terminal	A FIT is used in fleet applications to control fuel consumption and deliver secure, accurate and reliable fuel tracking for unattended fueling operations.
FSC	Fuel Site Controller	Tracks and reports fueling transactions by driver and/or vehicle and interfaces with a variety of authorization and commercial fueling networks.
ISO	International Organization for Standardization	ISO/IEC 7812-1:2006 specifies a numbering system for the identification of issuers of cards that require an issuer identification number to operate in international, interindustry and/or intra-industry interchange.
ISO	Independent Sales Organization	The payment card industry defines an ISO as an organization or individual that is not an Association member (meaning not a Visa or MasterCard member bank), but which has a bank card relationship with an actual Association member.
Local Auth(ization)		Local Authorization is the same as a "store and forward" technique in telecommunications. This is a technique in which information is sent to an intermediate station where it is kept and sent at a later time to the final destination or to another intermediate station. The intermediate station, or node in a networking context, verifies the integrity of the message before forwarding it. In general, this technique is used in networks with intermittent connectivity, especially in the wilderness or environments requiring high mobility. It may also be preferable in situations when there are long delays in transmission and variable and high error rates, or if a direct, end-to-end connection is not available. (Wikipedia)
NACS	National Association of Convenience Stores	NACS is the leading global trade association dedicated to advancing convenience and fuel retailing. (https://www.convenience.org/About-NACS)

PCF	Proprietary Card File	Proprietary cards, also called private label cards, are issued under a contractual agreement between financial institutions and third parties, usually large retailers, for the purpose of consumers transacting business with that entity. (https://www.fdic.gov/regulations/examinations/credit_card/pdf_version/ch2.pdf)
PCI	Payment Card Industry	A sector within the financial industry that is responsible for all electronic payments. As purchases are completed through debit, credit, ATM, POS, prepaid and e-purse systems, sensitive financial data is constantly being transmitted to all parts of the world.
PCI DSS	Payment Card Industry Data Security Standard	The Payment Card Industry Data Security Standard (PCI DSS) is a set of security standards designed to ensure that ALL companies that accept, process, store or transmit credit card information maintain a secure environment. (https://www.pccomplianceguide.org/faq/#1)
PIN	Personal Identification Number	A personal identification number (PIN number or PIN code), is a numeric passcode used in the process of authenticating a user accessing a system. (Wikipedia)
Pulser		A device connected to the dispenser meter that converts the mechanical movement of the meter mechanism to electrical pulses that control the dispenser's electronic display of the volume and cost of the fuel dispensed. (Petroleum Equipment Institute)
Reasonability	A restriction where a vehicle can get fuel only within a predetermined mileage from the previous refuel.	Example: If the current odometer reading of a vehicle is 12,625 miles and the previous entry was 12,500, and the vehicle's System Code allows a minimum Reasonability range of 150 miles and a maximum Reasonability range of 400 miles, then a 125-mile difference is not a reasonable odometer entry and fueling will be denied.
RFID	Radio Frequency Identification	Radio Frequency Identification uses electromagnetic fields to automatically identify and track tags attached to objects. An RFID system consists of a tiny radio transponder, a radio receiver and transmitter. (Wikipedia)
RFN	Radio Frequency Nozzle	This is a device attached to a fueling nozzle used to read passive tags installed on a vehicle's fueling intake. This enables an Automatic Vehicle Identification system installed at a site to identify a vehicle set up in the system approved to get fuel at that fueling location.

SE	Service Engine	An onsite process that runs on the Edge that allows DX Fleet to interact with the FSC3000 for purposes of card management, configuration and transaction polling.
SMS	Short Message Service, frequently referred to as a text message	A text messaging service component of most telephone, Internet and mobile device systems. It uses standardized communication protocols that let mobile devices exchange short text messages. (Wikipedia)
TCP/IP	Transmission Control Protocol/Internet Protocol	The Internet protocol suite, commonly known as TCP/IP, is the set of communications protocols used in the Internet and similar computer networks. The current foundational protocols in the suite are the Transmission Control Protocol and the Internet Protocol. (Wikipedia)
Tiered Pricing		The "Tiered Discounts" flag feature of the FSC3000 was designed to support the tiered price code embedded in the Track2 on existing Gasboy cards. However, because of the many different Gasboy Track2 formats available, the FSC3000 has no knowledge of where to find the embedded tiered pricing code. Therefore, the FSC3000 must be configured to identify the position within the card's Track2 data that represents the Tiered Discount indicator.
Totalizer	Tracks the amounts of fuel actually dispensed by the pump.	Dispensers have a counter to track fuel dispensed. You can set your Totalizer to the same number so you can then do a periodic check to make sure the numbers match. If not, it can be an indication that there can be a calibration issue with the pump or that theft has occurred.
TRN	Transaction file	See "Export TRN File" on page 54 for information on TRN file exports. See "TRN Download" on page 56 for information on TRN file downloads.
USB	Universal Serial Bus	Universal Serial Bus is an industry standard that establishes specifications for cables, connectors and protocols for connection, communication and power supply between computers, peripherals and other computers. (Wikipedia)
UTC	Coordinated Universal Time	Coordinated Universal Time or UTC is the primary time standard by which the world regulates clocks and time. It is within about 1 second of mean solar time at 0° longitude (at the IERS Reference Meridian as the currently used prime meridian) such as UT1 and is not adjusted for daylight saving time. It is effectively a successor to Greenwich Mean Time (GMT). (Wikipedia)

VIN	Vehicle Identification Number	a 17-character code that is unique to your vehicle. It's a combination of numbers and letters that provides valuable info about your car including where your car was made, the model year, type of vehicle, and other information.
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Appendix C - Version Release Notes

Version	Effective	Release Notes
3.0.0.0 MVP2 V85	12/15/2022	"Card Management" on page 39, "Export Button" on page 17 in all screens, "Customer Release Notification" on page 17, Restart the Edge Device from the UI (see "Manage Icons" on page 84), Odometer Reasonability changes under "Define Card Record" on page 157.
3.0.0.0 MVP2 V72	9/13/2022	"Power BI Reports" on page 62
Service Engine Ver- sion 3.0.113	6/24/2022	Terminal Window Improvements, AVI support (see "If you have AVI (See "Automatic Vehicle Identification" on page 191 for a description) installed at your site, select this option. " on page 86, "Select the RFN# if applicable (applicable to AVI systems only). Here, you can map the RFN numbers that were set up under "Edit Controller Information" (see "AVI: Automatic Vehicle Identification" on page 188 for information on how to configure RFN numbers in an AVI system through DX Fleet." on page 95, "Edit Controller Information" on page 86
3.0.0.0 MVP2 V60	6/24/2022	ARTWare Changes, "Audit Log" on page 177, Export TRN in "Scheduler" on page 60, Terminal Window Improvements
3.0.0.0 MVP2 V44	4/8/2022	"Export TRN File" on page 54, Capture File for Terminal Window
2.2.0.0 MVP2 V35	1/25/2022	Help Screen with Videos
2.2.0.0 MVP2 V32	1/11/2022	Support Screen, Dashboard Changes to reflect the Live Site Status
2.2.0.0 MVP2 V31	12/15/2021	Capability to edit PCF transaction, Changes in UI to show the filtered transaction and cards while editing and closing
2.2.0.0 MVP2 V26	10/13/2021	Multiple sites and Date Range option for Sync Trans Feature, Status for Sync trans feature which shows the details of synced and failed transactions
2.2.0.0 MVP2 V23	9/13/2021	Multiple sites and Date Range option for Sync Trans Feature, Status for Sync trans feature which shows the details of synced and failed transactions
2.2.0.0 MVP2 V22	8/31/2021	Card Reassign Feature, Active Org
2.1.0.0 MVP2 V19	8/30/2021	Terminal Window Improvements, New Reports (Report by site for Driver, Report by Account, Pump Totals, Account card listing, Account for product), Export Data multi select option, Mileage Reasonability, Mobile option enable/disable, Transactions Auto Sync

<i>Version</i>	<i>Effective</i>	<i>Release Notes</i>
2.0.0.0 MVP2 V18	6/11/2021	"TRN Download" on page 56 ATG Service deleted
2.0.0.0 MVP2 V17	5/25/2021	ATG Feature, "Reprice" on page 55



IMPORTANT: It is possible that older software versions might not support all features.

Revisions - M3052

<i>Revision #</i>	<i>ECO/ Approval</i>	<i>Effective</i>	<i>Software Version</i>	<i>Key Changes</i>
5	PN	5/30/2023	3.0.0.0 MVP2 V85	Changes per team deep-dive review, added screen shots and additional user-friendly features, updated and added Dependency panels. Added network specific instructions. Added appendix for AVI. Reconfigured sections to align with UI menu structure.
4	JC	12/15/2022	3.0.0.0 MVP2 V85	Card management, Odometer changes, Export Data in all screens, Customer Release Notification, Edge Restart from UI, moved Audit Log to Settings menu and Power BI Reports to Reports menu. Updated Report descriptions.
3	NA	9/26/2022	3.0.0.0 MVP2 V72	Power BI Report descriptions, added instructions to configure .csv report to display leading zeros for newer versions of MS Excel,
2.1	NA	8/5/2022		Add Report Category Filter for Power BI, add instructions to configure .csv report to display leading zeros.
2	2062	7/7/2022		Add: Audit Log, Export TRN under Scheduler, Card Import, Custom Export, Power BI Reports, FSC Commands History in Terminal Window.
1	2029	4/18/2022		Update applicable UI changes, add new menu items for Export TRN, Reprice, Download TRN, Job Status, Terminal Window, add'l Report Detail types. New Support Menu and Help
0	1853	2/2/2021		Initial release



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