

**Feature Reference** 

Date: September 15, 2016











#### **Proprietary FEP Interface**

This Feature Reference provides detailed information on how to configure and use the Proprietary Interface feature on two separate Verifone Site Controllers: Commander and Sapphire.

Chapter One covers Proprietary Interface on the Commander and Chapter two relates to Sapphire. Both chapters contain the subsections listed below:

- Overview This section contains a brief description, requirements and the supported hardware configurations for the Proprietary Interface feature on the related Site Controller.
- Using This section describes how to prepare the specific Site Controller for the Proprietary Interface feature.
- Configuring This section contains information on how to configure the Proprietary Interface feature on the related Site Controller.
- Reporting This section contains a sample report with a detailed report description for the Proprietary Interface feature on the specific Site Controller.

Verifone, Inc. 88 West Plumeria Drive San Jose, CA 95134 Telephone: 408-232-7800 http://www.verifone.com

© 2016 Verifone, Inc. All rights reserved.

No part of this publication covered by the copyrights hereon may be reproduced or copied in any form or by any means - graphic, electronic, or mechanical, including photocopying, taping, or information storage and retrieval systems - without written permission of the publisher.

The content of this document is subject to change without notice. The information contained herein does not represent a commitment on the part of Verifone. All features and specifications are subject to change without notice.

Verifone, Ruby SuperSystem, and Secure PumpPAY are registered trademarks of Verifone, Inc. Ruby Card, iOrder, and Commander Site Controller are trademarks of Verifone. All other brand names and trademarks mentioned in this document are the properties of their respective holders.

#### **Revision History**

Date	Description
09/25/2015	Format Update.
10/29/2015	Added Commander section and updated Sapphire.
09/15/2016	Updated Format.

#### CONTENTS

GLOSSARY OF TERMS	. iv
COMMANDER	. 1
Overview	. 1
Feature Description	. 1
Special Considerations	. 1
Supported Hardware Configuration	. 1
Configuring the Proprietary FEP Interface.	. 2
Hardware Setup	. 2
Configuring with Commander Configuration Client	. 3
Proprietary Fleet Configuration	. 3
FEP Tab	. 4
FEP Card Tab	. 6
Commander Low ISO and Pan Length Configuration	. 7
Using the Proprietary FEP Interface	. 9
Sales	. 9
Proprietary Transaction	. 9
Manual Card Entry Transaction	. 11
Refunds	. 14
Refund Transactions	. 14
Manual Card Entry Refund Transaction	. 17
Reporting	20
Proprietary Card Report	. 20
Proprietary Product Report	. 21
Unconfirmed Transaction Report	. 22
SAPPHIRE	23
Overview	23
Feature Description	23
Special Considerations	23
Supported Hardware Configuration	23
Configuring Serial Interface for Proprietary Cards	24
Hardware Setup	24
Configuring with Sapphire Configuration Manager	25
Proprietary Network Configuration	25
Proprietary Network Configuration Tab	26
Proprietary Card Tab	27
Using Serial Interface for Proprietary Cards	30
	30
Proprietary Transaction	30
Manual Card Entry Transaction	. 30
Refunds	. 32
Refund Transactions	. 34
Manual Card Entry Defund Transaction	. 34
	 //∩
Pronrietary Card Report	40 //
Propriotary Draduct Doport	. 40 /1
Linconfirmed Transaction Deport	. 41 10
	. 42

#### GLOSSARY OF TERMS

The following terms and definitions will assist the reader with understanding the content of the Feature Reference

Terms	Definitions
DCR	Dispenser Card Reader
FEP	Front End Processor
МОР	Method of Payment
POS SYSTEM	Includes the POS (Point of Sale) terminals, site controller and the Electronic Payment System (EPS).
PPU	Price Per Unit
STAN	System Traced Audit Number (Transaction ID), a unique key for the card transaction.

## 1 COMMANDER

#### **Overview**

#### **Feature Description**

The Proprietary FEP (Front End Processor) Interface Feature Reference provides instructions for installing and configuring Proprietary Cards and the functionality within the application using a Commander Site Controller.

The proprietary network option allows Commander applications to accept proprietary cards at the POS and card readers using an MX Series PINpad.

The Site Controller records totals for proprietary card sales and reports them in the Proprietary Card Report for the period. Refer to the Reports Reference in Report Navigator for a description of the report.

#### **Special Considerations**

- Credit Cards that are set up as proprietary are approved through the Proprietary Network Host.
- Proprietary Cards do not support fallback processing.
- The Proprietary Configuration is programmed to accept a specific card.

#### Supported Hardware Configuration

- Commander with Topaz
- Commander with Ruby2
- RubyCi with Topaz
- RubyCi with Ruby2

#### Configuring the Proprietary FEP Interface

#### Hardware Setup

Connect the serial proprietary network cable to the serial port on the back of the Commander Site Controller.



#### Configuring with Commander Configuration Client

#### **Proprietary Fleet Configuration**

From the Commander Configuration Client, go to: Payment Controller > EPS Configuration > Proprietary Fleet Configuration.



The Proprietary Fleet Configuration window displays.

Proprietary Fleet Cor	nfiguration
FEP Card	
Network	
FEP Enabled	
Dealer ID 9999780	
Communication Options	
Mode Comm	unication Options
O IP Seriel	Pot PotA1-1
Serial Baud	Rate 9600
C Dial	ens /
Sto	ap Bit 1
FEP Parameters	
Department	
Mac 1	
Driver License 🔽	
Vehide ID	
Driver ID 📝	
Misc 2 👿	1
Odometer 👿	
Lest 4 digits of Acont Num	1

The following tabs are available for selection:

#### FEP Tab



*IP based Communications is currently not supported.* 

- 1. From the Proprietary Fleet Configuration window, select the [FEP] tab.
- 2. Configure the Network Parameters.

Network	
FEP Enabled	
Dealer ID	9999780

Value	Definition
Network	
FEP Enabled	Enables the proprietary network.
Dealer ID	Merchant ID number is assigned by the Proprietary Fleet <alphanumeric, 11="" characters="" to="" up="">.</alphanumeric,>

3. Configure the Communication Options.

Communication Options		
Mode	Communication Options	
<ul> <li>IP</li> <li>Serial</li> <li>Dial</li> </ul>	Serial Port PortA1-1  Baud Rate 9600  Bits 7  Parity even  Stop Bit 1	

Value	Definition	
Mode		
Serial	Select [Serial] for the communication mode.	
	Serial Mode settings are provided by the customer, procured from their private vendor.	
Communication Options		
Serial Port	Determines the Serial Port.	
Baud Rate	Determines the Baud Rate	
Bits	Determines the bits being utilized <7 or 8>.	
Parity	Determines the parity <odd, even="" none="" or="">.</odd,>	
Stop Bit	Determines the stop bit <1, 1.5, or 2>.	

4. Select [Save] to accept, or [Cancel] to exit without saving changes.



Log off/Log on all POS terminals after any setting modifications to allow changes to take effect.

#### FEP Card Tab

1. From the Proprietary Fleet Configuration window, select the **[FEP Card]** tab. The FEP Card window displays.

Proprietary Fleet Configuration Save Cancel		
FEP FEP Card		
		Add Delete
Select Card	Card Information	
	Card Table Index	
	Card Abbreviation	
	Card Name	
	Lower ISO	
	Upper ISO	
	Pan Length	
	Card Enabled	
	Accept Manual Entry	
	Card Limits	
	DCR Auth Amount	
<b></b>		

- 2. Select [Add] to configure the FEP Card.
- 3. Configure the Card Information and Limits.

Value	Definition
Card Information	
Card Table Index	A unique single-digit identifier.
Card Abbreviation	Sets the abbreviated proprietary card name.
Card Name	Determines the proprietary card name.
Lower ISO	Sets the card range that identifies the proprietary card.
Upper ISO	No configuration.
Pan Length	Determines the total number of digits embossed on the card.
Card Enabled	Enables the selected proprietary card.

Value	Definition
Accept Manual Entry	Allows the account number to be entered manually instead of swiped.
Card Limits	
DCR Auth Amount	Maximum credit transaction dollar amount allowed at a DCR transaction for this proprietary card. If the amount reaches the DCR limit, the pump automatically shuts off.

4. Select [Save] to accept, or [Cancel] to exit without saving changes.



Log off/Log on all POS terminals after any setting modifications to allow changes to take effect.

#### Commander Low ISO and Pan Length Configuration

Several different track layouts have been identified. Review the examples below to configure the ISO and Pan Length for each layout.

Example	Pan and ISO Track Layout
Track2 data: 6543121234523233	Pan Length
	<ul> <li>The Pan is identified by all digits before the first '='.</li> </ul>
	<ul> <li>If Track2 does not contain a '=', then the Pan is the entire Track2 data.</li> </ul>
	<ul> <li>With no '=' signs, the entire track data is the Pan and the length is all the digits.</li> </ul>
	•The Pan length would be 16.
	Low ISO
	<ul> <li>The ISO would be the first 1-6 digits (6543).</li> </ul>
	<ul> <li>Use what is sufficient to identify the group of cards.</li> </ul>

Example	Pan and ISO Track Layout			
Track2 data: 654312=123452323	Pan Length			
654312=123452323=8877	<ul> <li>The PAN would be all digits left of the first '='.</li> </ul>			
	<ul> <li>The Pan Length would be 6.</li> </ul>			
	Low ISO			
	<ul> <li>The ISO would be the first 1-6 digits (654312).</li> </ul>			
	<ul> <li>Use what is sufficient to identify the group of cards.</li> </ul>			
Track2 data: ==6543=123452323=8877	<ul> <li>The leading '=' and '==' would be stripped off.</li> </ul>			
-0343-123432323-0077	<ul> <li>The ISO would be 6543 and the Pan Length would be 4.</li> </ul>			
Track2 data: ==6543===887788776 =6543===887788776	<ul> <li>The leading '=' and '==' would be stripped off. However, the following consecutive '=' could cause parsing issues.</li> </ul>			
	<ul> <li>Leave the leading '=' or '==' in place when entering the data in the Low ISO field.</li> </ul>			
	<ul> <li>The ISO would be ==6543 with a Pan Length of 6 or =6543 with a Pan Length of 5.</li> </ul>			

#### Using the Proprietary FEP Interface

#### Sales

#### **Proprietary Transaction**

- 1. From the POS, enter the <sale items>.
- 2. Press [TOTAL].
- 3. Press [CREDIT].

Description	Qty	Amount		2	3	4	5		7
Coffee 24 Oz	1	1.49	X	X	X	X	X	X	UX
TAMALE BEEF	1	1.49	∎ůx	∎()x	∎ŭx	∎ůx		∎ UX	
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοττο	TAX COUPON	Rest In Gas	QTY
				ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtotal Tax	\$2.98 \$0.15	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT	
Amt	DUTAL Due	\$3.13 \$3.13	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

A message will prompt to "Ask customer to swipe card. Follow PINpad Instructions."

CREDIT	
Ask customer to swipe card Follow PINpad instructions	
CANCEL	

- 4. The customer swipes their card and completes the requested information on the PINpad.
- 5. The receipt prints when authorization is received.

Description	Qty	Amount
COFFEE TAMALE	1 1	1.49 1.49
	Subtotal Tax	2.98 0.15
TOTA	¥L.	3.13
Malp: 47852 Maf: 00100060009 Mago Conte: 930 Sten: 00064280 MTE ILI: 1701E ERCHANT COPY		
CONATURE		
AGREE TO PAY TOT ARD ISSUER AGREEM	AL ANOUNT AC	CORDING TO _INITIALS,

#### Manual Card Entry Transaction

In some instances, the card magstripe is unreadable and the card number and expiration date must be manually entered.



Manual Entry requires an existing Method of Payment definition using MOP Code: 25-Manual\_Entry.

- 1. From the POS, enter the <sale items>.
- 2. Press [TOTAL].
- 3. Press [OTHER MOP].

Description	Qty	Amount	1	2	3	4	5	£	7
Coffee 24 Oz	1	1.49	T 0×	T 0×	10×	ΠÛΧ	UX.	ΠÛΧ	TOX.
TAMALE BEEF	1	1.49	Т UX	<b>T</b> ŪX	∎Ů×	∎ů×		UX IS	
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοττο	TAX COUPON	Rest In Gas	QTY
				ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subt	otal Tax	\$2.98 \$0.15	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
T( Amt	DTAL Due	\$3.13 \$3.13	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

The Other MOP window displays.

Other MOP							
Choose an MOP	Choose an MOP						
1 CASH	10 DRIVE OFF						
2 CHECK	11 TAX COUPON						
3 CREDIT	12 \$20 CASH						
4 DEBIT	13 \$50 CASH						
5 MANUAL CARD ENTRY	14 EXACT CHANGE						
6 IN-HOUSE	15 TRAVEL CHK						
7 EBT	16 LOTTERY						
8 NON-TAX COUPON	17 SPECIAL DISCOUNT						
9 LOTTO							

- 4. Select the Manual Entry MOP.
- 5. Enter the <account number>
- 6. Press [OK].



- Enter the <month> and <year> (MMYY) of the card expiration date.
- 8. Press [OK].



9. The receipt prints when authorization is received.

WELCOME TO Clearwat	DABCS er, FL	TORE 123 33765
Description	Qty	Amount
COFFEE TAMALE	1	1.49 1.49
S	ubtotal Tax	2.98 0.15
TOTAL		3.13
0017 Drvr: 1234 Odom: 147852 Ref: 00100060009 Remo Cude: 930 Star: 00064280 SiTE ID: 1701E MERCHANT CDPY	CREDIT	\$ 3.13
SIGNATURE		
I AGREE TO PAY TOTAL CARD ISSUER AGREEMENT	AMOUNT ACL	CORDING TO INITIALS,
THANK YOU Please c	FOR ome	COMING
ST# 1701D TILL XXXX CSH: 1	DR# 1 TRAM 10/22/15	₩ 1010059 5 12:54:46

#### Refunds

#### **Refund Transactions**

1. From the POS, press [REFUND].

	EFUND			lates Pending lates Pending	CORPORATE O Reg101 1 Till 10102		oct 27, 2015 12:05 PM
Description Qty Amour	t IUX	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Т UX	Т С Х	<b>∎</b> Ů×
	∎ UX	∎Ú×					
	APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
	FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
	Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
	No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
	Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
		ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
	НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

The word *REFUND* displays in the upper left corner of the POS window to indicate the POS is now in refund mode.

Description Qty	Amount		2	3	4	5		7
Coffee 24 Oz 1	-1.49		T0×	UX.			LOX	
TAMALE BEEF 1	- 1 . 49	Т UX	∎ŮX		ТŮХ			X X
		APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
		FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
		Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
		No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
		Modify	COFFEE	Other MOP	ιοττο	TAX COUPON	Rest In Gas	QTY
			ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
		НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtotal Tax	(\$2.98) (\$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
Amt Due	(\$3.13) (\$3.13)	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

2. Enter the <refund items>.

The refund items are listed in the transaction window with the Amount Due, and the total refund (credit balance).

- 3. Press [TOTAL].
- 4. Enter the **<STAN number>**.

5. P	ress [CREDIT]	
------	---------------	--

00064280			Fuel Updates Pending Receipt Printer Unavail.		CORPORATE Reg101 Till 10102		Det 27, 2015 12:39 PM		
Description	Qty 1	Amount	X		X S	∎ UX 4	Т UX	∎ù× °	∎ù× ′
TAMALE BEEF	1	-1.49	∎ù× °	°×		X			
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
			FOUNTAIN COFFEE		DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtot T	al ( ax (	\$2.98) \$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
TOT.	AL ( ue (	\$3.13) \$3.13)	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

- 6. Swipe the card.
- 7. Ask the customer to complete the requested information on the PINpad.
- 8. The receipt prints when authorization is received.

#### WELCOME TO ABC STORE 123 Clearwater, FL 33765

#### REFUND

Description COFFEE TAMALE	Qtγ  1 1	Amount 49 1.49
τοτα	Subtotal Tax L	-2.98 -0.15 <b>3.13</b>
0017 Drvr: 1234 Odom: 147852 Haf: 00100080010 Rsap Code: 830 Stan: 00064283 SITE IO: 1701E MERCHANT CCPY	CREDIT	\$ -3.13
SIGNATURE		
1 ASREE TO PAY TOT CARD ISSUER ASREEM	AL ANOUNT AE	CORDING TO _INEFIALS.
THANK YOU Please	JFOR come a	COMING
ST# 17010 TELL XX CSH: 1	00 URM 1 1AA 10/22/10	N# 1010060 5 12:58:14

#### Manual Card Entry Refund Transaction

In some instances, the card magstripe is unreadable and the card number and expiration date must be manually entered.



Manual Entry requires an existing Method of Payment definition using MOP Code: 25-Manual\_Entry.

- CORPORATE Reg101 Till 10102 Oct 27, 2015 12:05 PM Fuel Updates Pending **REFUND** Fuel Updates Pending Description Qty Amount **T**Ů× TŲ× ∎∖∖x ∎\x ∎∖x ∎0× ∎()x **∎**ů× ∎≬x ∎≬× T∖x ΞŰ× ١ŲΧ ∏(\X OTHER FUEL PREPAY VIEW PREPAY FUEL Fuel Preset Fuel Discount FUEL TK PRINT FUEL TAX FUEL TAX EXEMPT Convert Fuel MOP Safe Drop Safe Loan Safe Drop Cor Void Ticket Pay In Pay Out FLASH REPORTS Clock In/Out No Sale Tax Exempt Void Line ENTER PLU# Refund Rest In Gas COFFEE Other Currency ROLLER GRILL NTAX COUPON EXACT CHANGE NEXT EVEN \$\$ нва Total GROCERY TAX CIGARETT MANUAL GROCERY NTAX NTAX COUPON \$50 CASH BEER
- 1. From the POS, press [REFUND].

The word *"REFUND"* displays in the upper left corner of the POS window to indicate the POS is now in refund mode.

2. Enter the <refund items>.

Description	Qty	Amount		2	3	4	5	6	7
Coffee 24 Oz	1	-1.49	X	X	V×	V×	X	V×	V×
TAMALE BEEF	1	-1.49	ТŮХ	τŲχ	Т Úх	ТÛХ		∎Ŭx	∎ůx i
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοττο	TAX COUPON	Rest In Gas	QTY
			FOUNTAIN COFFEE	ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtot	al ( ax (	\$2.98) \$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
Amt D	AL ( ue (	\$3.13) \$3.13)	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

3. Press [OTHER MOP].

The Other MOP window displays.

Other MOP				
Choose an MOP	Choose an MOP			
1 CASH	10 DRIVE OFF			
2 CHECK	11 TAX COUPON			
3 CREDIT	12 \$20 CASH			
4 DEBIT	13 \$50 CASH			
5 MANUAL CARD ENTRY	14 EXACT CHANGE			
6 IN-HOUSE	15 TRAVEL CHK			
7 EBT	16 LOTTERY			
8 NON-TAX COUPON	17 SPECIAL DISCOUNT			
9 LOTTO				

- 4. Select the Manual Entry MOP.
- 5. Enter the <account number>
- 6. Press [OK].

- 7. Enter the <month> and <year> (MMYY) of the card expiration date.
- 8. Press [OK].

9. A receipt is printed from the POS





### REFUND

Qty Description Amount -----1.49 -1.49 CO TIL 1 TAMALE -2.98 -0.15 Subtota IOIAL -3.13 CREDIT 5-3.13 0017 0ryr: 234 0dow: 17652 Ref: DC CCCECC'C Reep Cole: SSC Star: 00064263 S(TE ID: 17012 WERCHAY COPY SEGNARIAE I AGREE TO PAY TOTAL ANOUNT ACCORDING TO CATU USSUER AGREENENT. \_\_\_\_\_INITUALS. THANK YOU FOR COMING Please come again

#### Reporting

The Proprietary reports can be accessed from the POS at Network Menu > EPS Network Reports > Proprietary Reports.

#### **Proprietary Card Report**

Proprietary Card Report shows sales totals by card type.

- TITLE: Proprietary Card Report.
- **DLR#**: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- TERMINAL BATCH: Terminal batch number.
- TERMINAL BATCH OPEN: Time and date terminal batch was opened.
- TERMINAL BATCH CLSE: Time and date terminal batch was closed.
- CARDTYPE: Type of proprietary card used in the transaction.
  - CNT: Count of card type used.
- SALES: Transaction amount for card type.
  - CNT: Transaction count for card type.
- **REFUNDS:** Amount of refunds given for card type.
- TOTAL: Total amounts in a batch transaction.

*** Proprietary Card Report ***					
	DLR#:	9999194			
Printee	d: 08/1	7/12 16:24	:55		
Wor	kstation	Id POS01	1		
		10 1 0 001	-		
	Termina	al Batch 8			
Terminal Batch	Open:	08/15/2011	10:1	0:53	
Terminal Batel	Clee	11/15/201	1 02.0	4.16	
1 Cilimiai Datei	1 0150.	11/15/201	1 02.0	4.10	
CARDTYPE	CNT	SALES	CNT	REFUNDS	
MTEC1	22	192.87	02	21.67	
MTEC2	28	278 61	05	112.01	
	20	270.01	00	112.01	
TOTAL	50	471.48	07	133.68	

#### **Proprietary Product Report**

Proprietary Product Report shows sales totals by product code.

- TITLE: Proprietary Product Report.
- **DLR#**: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- TERMINAL BATCH: Terminal batch number.

*** Proprietary Product Report ***					
	DLR#:	9999194			
	Printed: 08/	17/12 16:24:	55		
	Workstation	Id POS011			
	Terminal	Batch 8			
Termina	al Batch Open: 08/15	5/2011 10:1	0:53		
Termina	al Batch Clse: 11/15	/2011 02:0	4:16		
DROD	DESC	VOLUME	CNT	CALES	
PROD	DESC	VOLUME	CNI	SALES	
11	UNI EADED ETH	133 800	07	102.87	
11	UNLEADEDEIN	155.800	07	192.07	
28	DIESEL 1	651.770	15	763.50	
TOTAL	,			956.37	

- TERMINAL BATCH OPEN: Time and date terminal batch was opened.
- TERMINAL BATCH CLSE: Time and date terminal batch was closed.
- PROD: Assigned product number.
- DESC: Product description.
- VOLUME: Total volume of fuel dispensed.
- CNT: Transaction product count.
- SALES: Transaction amount.
- TOTAL: Total amount in a batch transaction.

#### **Unconfirmed Transaction Report**

The Unconfirmed Transaction Report displays all the declined and failed Store and Forward transactions. If a Store and Forward transaction is declined by the Host, it has to be manually settled.

This report also contains successful pre-authorized, but incomplete, transactions.

This report accepts terminal batch numbers as input.

- TITLE: Unconfirmed Transaction Report.
- DLR#: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- TERMINAL BATCH: Terminal batch number.
- TERMINAL BATCH OPEN: Time and date terminal batch was opened.
- TERMINAL BATCH CLSE: Time and date terminal batch was closed.
- ACCOUNT NUMBER: Account number for the proprietary card.
- STAN: System traced audit number (Transaction ID).
- TOTAL AMOUNT: Total amount of the card transaction.
- TIMESTAMP: Date and time of the transaction.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- TRANSTYPE: Proprietary card transaction detail.
- TICKET#: Receipt number.
- **PRODDESC CODE:** Description and code assigned to product.
- QUANTITY: Amount of transaction.
- PPU: Price per unit of transaction.
- AMOUNT: Amount of transaction.

Unconfirmed Transaction Report				
DLR#: 9999194				
Printed: 08/17/12 16:2	24:55			
Workstation Id POS01	1			
Terminal Batch 8				
Terminal Batch Open: 08/15/2011	10.10.53			
Terminal Batch Clse: 11/15/2011	02:04:16			
Terminar Daten Olse. T1/15/2011	02.01.10			
Account number Stan T	'otal amount			
TimeStamp TransType	Ticket#			
ProdDesc Code Quantity PPU	Amount			
7079292000005551045 1694	10.00			
02/14/2013 04:16:11 ADVICE	452007831			
T 1.1 10 0110/0 @C110				
Leaded 18 0.110/G (a)0.112	10.00			
Leaded 18 0.110/G @0.112	10.00			
Teaded 18 0.116/G @0.112 7079292000005551021 2018	10.00			
Teaded 18 0.116/G @0.112 7079292000005551021 2018 09/11/2013 05:19:21 PREAUTH	10.00 15.00 902000611			
Leaded 18 0.116/G @0.112 7079292000005551021 2018 09/11/2013 05:19:21 PREAUTH General 400 1.00/EA @9.98	10.00 15.00 902000611 9.98			
Leaded 18 0.110/G @0.112 7079292000005551021 2018 09/11/2013 05:19:21 PREAUTH General 400 1.00/EA @9.98 General 950 1.00/EA @2.50	10.00 15.00 902000611 9.98 2.50			

# 2 SAPPHIRE

#### Overview

#### **Feature Description**

The Proprietary FEP (Front End Processor) Interface Feature Reference provides instructions for installing and configuring Proprietary Cards and the functionality within the application using a Commander Site Controller.

The proprietary network option allows Commander applications to accept proprietary cards at the POS and card readers using an MX Series PINpad.

The Site Controller records totals for proprietary card sales and reports them in the Proprietary Card Report for the period. Refer to the Reports Reference in Report Navigator for a description of the report.

#### **Special Considerations**

- Credit Cards that are set up as proprietary are approved through the Proprietary Network Host.
- Proprietary Cards do not support fallback processing.
- The Proprietary Configuration is programmed to accept a specific card.

#### Supported Hardware Configurations

- Sapphire with Topaz
- Sapphire with Ruby

#### Configuring Serial Interface for Proprietary Cards

#### Hardware Setup

Connect the serial proprietary network cable to the serial port on the back of the Sapphire Site Controller.



#### Configuring with Sapphire Configuration Manager

#### **Proprietary Network Configuration**

From the Sapphire Configuration Manager, go to: Network Manager > Proprietary Network Config.

Session	Sapphire	Manager	Fuel Manager	Device Manager	Maintenance	Net	work Manager	Report Manager	Tools
		$\Lambda$					Network Conf	fig	
							Proprietary Ne	etwork Config	
							Prepaid Netwo	ork Config	
							ECheck Netwo	ork Config	
							EPS Prepaid C	onfig	
						_			_

The Proprietary Network Configuration form displays.

Proprietary Network Proprietary Card	
Proprietary Network Settings	
Network Enabled 🦳	
Merchant Number:	
Refresh	Save Proprietary Network Configuration

The following tabs are available for selection:

- Proprietary Network Configuration
- Proprietary Card

#### **Proprietary Network Configuration Tab**

1. From the Proprietary Network Configuration window, select the [Proprietary Network] tab.

The Proprietary Network form displays.

Proprietary Network Proprietary Card		
	Proprietary Network Settings	
	Network Enabled	
	Merchant Number:	
Refresh		Save Proprietary Network Configuration

2. Configure the Proprietary Network Settings.

Value	Definition
Network	
Network Enabled	Enables the selected network.
Merchant Number	Indicates the Merchant ID number assigned by the network (alphanumeric, up to 11 characters).

3. After editing the configuration values, select [Save Proprietary Network Configuration].

#### Proprietary Card Tab

1. From the Proprietary Network Configuration window, select the [Proprietary Card] tab.

The Proprietary Card	form displays with a l	list of existing proprietary cards.
----------------------	------------------------	-------------------------------------

oprietary Card Entries	Proprietary Card Info	
Entry # Card Name Modified       1     MCard       2     Visa	Card Enabled 📝 Entry Number: 1	
*right dick for more options Delete Add	Authorization Amount: 15 Track Info ISO: 1234 Offline Settings FUEL Pricing Level: CREDIT •	
Proprietary Card Entries The list of existing Proprietary Cards.		

- 2. Select [Add] to create a new proprietary card.
- 3. Configure the Proprietary Card Info.

Value	Definition		
Card Information			
Card Enabled:	Enables the selected proprietary card.		
Entry Number	Record number of the proprietary card <i>The entry number cannot be changed after a</i> proprietary card has been saved.		
Card Name	Proprietary card name (alphanumeric, up to 16 characters).		

4. Configure the DCR parameters.



Value	Definition						
DCR							
DCR Enabled	Accepts the selected proprietary card at the DCR.						
DCR Limit	Maximum credit transaction dollar amount allowed at the DCR.						
Authorization Amount	Maximum dollar amount that can be pre-authorized for a fuel sale. If the amount reaches the DCR Limit, the pump automatically shuts off.						

5. Configure the Track Information parameters.

Track I	nfo	
ISO:	1234	

Value	Definition
Track Info	
ISO	Account number range for a card type. Enter the beginning digits that identify the proprietary card.
	Include any '=' or '==' if they exist.

6. Configure the Offline Services parameters.



Value	Definition
Offline Settings	
Fuel Pricing Level	Fuel pricing level for the card type <cash credit="" or="">.</cash>
Delete	Deletes the selected proprietary card.
Modified	If changes are made, the word "Modified" appears in the entry list.

7. After editing the configuration values, select [Save Proprietary Card Configuration].

#### Using Serial Interface for Proprietary Cards

#### Sales

#### **Proprietary Transaction**

- 1. From the POS, Enter the <sale items>.
- 2. Press [TOTAL].
- 3. Press [CREDIT].

Description	Qty	Amount	1	2	3	4	5	· · · · · ·	7
Coffee 24 Oz	1	1.49	-0×	TOX	TOX	-0×	-Ox	10×	UX
TAMALE BEEF	1	1.49	Т UX	X		∎()×			
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
			FOUNTAIN COFFEE	ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subt	otal Tax	\$2.98 \$0.15	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
T   Amt	OTAL Due	\$3.13 \$3.13	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

A message will prompt to "Ask customer to swipe card. Follow PINpad Instructions."

CREDIT
Ask customer to swipe card Follow PINpad instructions
CANCEL

- 4. The customer swipes their card and completes the requested information on the PINpad.
- 5. The receipt prints when authorization is received.

Description	Qty	Amount
COFFEE TAMALE	1 1	1.49 1.49
	Subtotal Tax	2.98 0.15
TOT	AL	3.13
Repo Conde: 930 Sten: 00064280 SITE II: 1701E MERCHANT COPY		
SEGNATURE		
AGREE TO PAY TO CARD ISSUER AGREE	TAL ANCUNT AC	CORDING TO INITIALS,

#### Manual Card Entry Transaction

In some instances, the card magstripe is unreadable and the card number and expiration date must be manually entered.



Manual Entry requires an existing Method of Payment definition using MOP Code: 25-Manual\_Entry.

- 1. From the POS, enter the <sale items>.
- 2. Press [TOTAL].
- 3. Select [OTHER MOP].

Description	Qty	Amount		2	3	4	5		
Coffee 24 Oz	1	1.49			X	X		TOX	LOX
TAMALE BEEF	1	1.49	<u>∎</u> ()×	<b>∎</b> Ŭ×	∎ UX	∎Ŭx			
			APPROVE	PREPAY	VIEW FUEL	FUEL		PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
				ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subt	otal Tax	\$2.98 \$0.15	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
l Amt	OTAL Due	\$3.13 \$3.13	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

The Other MOP window displays.

Other MOP							
Choose an MOP	Choose an MOP						
1 CASH	10 DRIVE OFF						
2 CHECK	11 TAX COUPON						
3 CREDIT	12 \$20 CASH						
4 DEBIT	13 \$50 CASH						
5 MANUAL CARD ENTRY	14 EXACT CHANGE						
6 IN-HOUSE	15 TRAVEL CHK						
7 EBT	16 LOTTERY						
8 NON-TAX COUPON	17 SPECIAL DISCOUNT						
9 LOTTO							

- 4. Select the Manual Entry MOP.
- 5. Enter the <account number>.
- 6. Press [ENTER].
- 7. Enter the <month> and <year> (MMYY) of the card expiration date.
- 8. Press [ENTER].
- 9. The receipt prints when authorization is received.

#### WELCOME TO ABC STORE 123 Clearwater, FL 33765

Description	Qty	Amount
COFFEE TAMALE	1 1	1.49 1.49
	Subtotal Tax	2.98 0.15
TOTA	_	3.13
0017 Drvr: 234 Ddom: 47852 Ref: 00100060009 Rep: Cude: 930 Sten: 00064280 SITE ID: 1701E MERCHANT COPY	CREDIT	\$ 3.13
SEGNATURE		
I AGREE TO PAY TOYA CARD ISSUER AGREEME	L ANCUNT AC	CORDING TO _INITIALS,
HANK YOU	FOR	COMING

ST# 1701D TILL XXXX DR# 1 TRAN# 1010059 CSH: 1 10/22/15 12:54:46

#### Refunds

#### **Refund Transactions**

1. From the POS, press [REFUND].

REFU	ND			Fuel Upd Fuel Upd	Fuel Updates Pending CO Fuel Updates Pending Till		ORATE 0 01 1 0102	oct 27, 2015 12:05 PM
Description Qty	Amount	<b>T</b> Úx	× <sup>2</sup>	∎0x °	T X	TUX	Т Ux	TUX
		×	Т Uх		Т UX		13 13 13	
		APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
		FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
		Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
		No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
		Modify	COFFEE	Other MOP	ιοττο	TAX COUPON	Rest In Gas	QTY
			ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
		НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
		CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
		BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

The word *"REFUND"* displays in the upper left corner of the POS window to indicate the POS is now in refund mode.

Description	Qty	Amount	1	2	3	4	5		7
Coffee 24 Oz	1	-1.49	-0×	TOX.	LOX	TOX.	TOX.	TOX	UX
TAMALE BEEF	1	- 1 . 49	∎ůx	Т (Х		∎ŮX			۲. X
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
				ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtota Ta:	1 ( X (	\$2.98) \$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
Amt Du	L ( e (	\$3.13) <mark>\$3.13</mark> )	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

2. Enter the <refund items>.

The refund items are listed in the transaction window with the Amount Due, and the total refund (credit balance).

- 3. Press [TOTAL].
- 4. Enter the **<STAN** number>.

00064280				Fuel Upd Receipt P	Fuel Updates Pending Receipt Printer Unavail		CORPORATE Reg101 Till 10102		
Description	Qty	Amount		2 • • • • • • • • • • • • • • • • • • •		4 I	5 × 5		
Coffee 24 Oz	1	-1.49							
TAMALE BEEF	1	- 1 . 49	∎Û×	∎Û×	TÛ×	ΞŮ×	ΞŮ×	∎Û×	TŲ×
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
			FOUNTAIN COFFEE		DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtot T	al ( ax (	\$2.98) \$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
Amt D	AL (	\$3.13) \$3.13)	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

- 5. Press [CREDIT].
- 6. Swipe the card.
- 7. Ask the customer to complete the requested information on the PINpad.
- 8. The receipt prints when authorization is received.

#### WELCOME TO ABC STORE 123 Clearwater, FL 33765

#### REFUND

Description	Qty	Amount
CORFEE	1	- 49
TAMALE	1	- 49
LAMALE	1	-1.42
	Subtotal	-2.98
	Tax	-0.15
τοτα	L	3.13
		6 - 2 12
	CREDI	\$ -3.13
0017		
Drvr: 1834		
0dom: 147852		
Bet: 00100080010		
Seen Cude' 093		
Assat (1000-1000		
Stan: 00064283		
SITE IU: TAUE		
MERCHAILT COPY		
SIGNATURE		
		Langappile 16
I MERIEE TO PAY TOT	AT ANOUNT	ADJUHUING 10
CARD ISSUER AGREEM	EXT.	INITIALS.

#### THANK YOU FOR COMING Please come again

ST# 17010 T(LL XXXX UR# 1 1HAN# 1010060 CSH: 1 : :0/22/15 12:58:14

#### Manual Card Entry Refund Transaction

In some instances, the card magstripe is unreadable and the card number and expiration date must be manually entered.



Manual Entry requires an existing Method of Payment definition using MOP Code: 25-Manual\_Entry.

1. From the POS, press [REFUND].

REFUND			Fuel Upd Fuel Upd	ates Pending ates Pending	CORF Reg11 Till 1	PORATE ( )1 0102	Oct 27, 2015 12:05 PM
Description Qty Amount	<b>T</b> Ůx 1	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	₩ UX	∎ŭx '	т ЦХ	∎ů× °	TUX
	×U	۲		∎U×			
	APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
	FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
	Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
	No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
	Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
	FOUNTAIN COFFEE	ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
	НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

The word *"REFUND"* displays in the upper left corner of the POS window to indicate the POS is now in refund mode.

2. Enter the <refund items>.

Description	Qty	Amount	1	2	3	4	5	e	7
Coffee 24 Oz	1	-1.49	ΠŪΧ	ΠŪΧ	ΠŪ×	T 0×	ΠŪΧ	ΠŪ×	T 0×
TAMALE BEEF	1	-1.49	Т UX	X		X			14 UX
			APPROVE	PREPAY	VIEW FUEL	FUEL	OTHER FUEL	PREPAY MOVE	Stop Fuel
			FUEL TAX ADDITION	FUEL TAX EXEMPT	Fuel Preset	Fuel Discount	Convert Fuel MOP	FUEL TK PRINT	Ticket Print
			Pay In	Pay Out	Safe Drop	Safe Loan	Safe Drop Cor	Void Ticket	REPEAT LAST
			No Sale	FLASH REPORTS	Clock In/Out	Tax Exempt	Refund	Void Line	ENTER PLU#
			Modify	COFFEE	Other MOP	ιοπο	TAX COUPON	Rest In Gas	QTY
			FOUNTAIN COFFEE	ROLLER GRILL	DRIVE OFF	LOTTERY	NTAX COUPON	EXACT CHANGE	Other Currency
			НВА	DAIRY	PUMP TEST	IN-HOUSE	MANUAL CREDIT	NEXT EVEN \$\$	Total
Subtota	al ( ax (	\$2.98) \$0.15)	CIGARETT	GROCERY TAX	TAX COUPON	СНЕСК	\$20 CASH	SPECIAL DISCOUNT	DEBIT
Amt Di	AL ( ue (	\$3.13) \$3.13)	BEER	GROCERY NTAX	NTAX COUPON	MANUAL EBT	\$50 CASH	CASH	CREDIT

#### 3. Press [OTHER MOP].

The Other MOP window displays.

Other MOP					
Choose an MOP	Choose an MOP				
1 CASH	10 DRIVE OFF				
2 CHECK	11 TAX COUPON				
3 CREDIT	12 \$20 CASH				
4 DEBIT	13 \$50 CASH				
5 MANUAL CARD ENTRY	14 EXACT CHANGE				
6 IN-HOUSE	15 TRAVEL CHK				
7 EBT	16 LOTTERY				
8 NON-TAX COUPON	17 SPECIAL DISCOUNT				
9 LOTTO					

- 4. Select the Manual Entry MOP.
- 5. Enter the <account number>.
- 6. Press [ENTER].
- 7. Enter the <month> and <year> (MMYY) of the card expiration date.
- 8. Press [ENTER].

9. A receipt is prints from the POS.

WELCOME TO ABC STORE 123 Clearwater, FL 33765							
REF	I N	a					
Description  COITLE TAMALE	Qty  1 1 Subcoral	Amount -1.49 -1.49 					
	2X.	-0.15					
IOTAI	-	-3.13					
0017 Drvr: 1234 Ddax: 147852 Ref: DC:CCCCCCC Reep Core: SSC Star: 00064283 Star: 00064283 WERCHAN, COPY	CALOT	3-5.15					
SOGWARDE 1 AGREE TO PAY TOTAL ANOUNT ACCORDING TO CATU USSUER AGREENENTINITUALS.							
THANK YOU FOR COMING Please come again STH 17010 TELL XXXX BHH 1 16AMM 1010000 CSH: 1 10/22/15 12:55:14							

#### Reporting

The Proprietary reports can be accessed from the POS at Network Menu > EPS Network Reports > Proprietary Reports.

#### **Proprietary Card Report**

Proprietary Card Report shows sales totals by card type.

#### Report Details:

- TITLE: Proprietary Card Report.
- **DLR#**: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- TERMINAL BATCH: Terminal batch number.
- TERMINAL BATCH OPEN: Time and date terminal batch was opened.

• TERMINAL BATCH CLSE: Time and date terminal batch was closed.

- CARDTYPE: Type of proprietary card used in the transaction.
  - CNT: Count of card type used.
- SALES: Transaction amount for card type.
  - CNT: Transaction count for card type.
- **REFUNDS:** Amount of refunds given for card type.
- TOTAL: Total amounts in a batch transaction.

Workstation Id POS011									
Terminal Batch 8									
Terminal Batch	Open:	08/15/2011	10:1	0:53					
Terminal Batch	Clse:	11/15/201	1 02:0	4:16					
CARDTYPE	CNT	SALES	CNT	REFUNDS					
MTEC1	22	192.87	02	21.67					
MTEC2	28	278.61	05	112.01					
TOTAL	50	471.48	07	133.68					

\*\*\* Proprietary Card Report \*\*\*

DLR#: 9999194

Printed: 08/17/12 16:24:55

#### **Proprietary Product Report**

Proprietary Product Report shows sales totals by product code.

- TITLE: Proprietary Product Report.
- **DLR#**: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- **TERMINAL BATCH**: Terminal batch number.

*** Proprietary Product Report ***								
DLR#: 9999194								
Pri	nted: 08/1	7/12 16:24:	:55					
W	orkstation	Id POS011						
	Terminal	Batch 8						
Terminal Batch Op	oen: 08/15	/2011 10:1	0:53					
Terminal Batch Cl	se: 11/15	/2011 02:0	4:16					
DROD DESC		VOLUME	CNIT	CALES				
PROD DESC		VOLUME	CNT	SALES				
	DED ETH	133 800	07	102.97				
II UNLEAL	JEDEIR	155.800	07	192.07				
28 DIESEL	1	651.770	15	763.50				
TOTAL				956.37				

- TERMINAL BATCH OPEN: Time and date terminal batch was opened.
- TERMINAL BATCH CLSE: Time and date terminal batch was closed.
- PROD: Assigned product number.
- DESC: Product description.
- VOLUME: Total volume of fuel dispensed.
- CNT: Transaction product count.
- SALES: Transaction amount.
- TOTAL: Total amount in a batch transaction.

#### **Unconfirmed Transaction Report**

The Unconfirmed Transaction Report displays all declined and failed Store and Forward transactions. If a Store and Forward transaction is declined by the Host, it has to be manually settled.

This report also contains successful pre-authorized, but incomplete, transactions. This report accepts terminal batch numbers as input.

- TITLE: Unconfirmed Transaction Report.
- DLR#: Dealer identification number.
- **PRINTED**: Date and time the report printed.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- WORKSTATION ID: Workstation identification number.
- TERMINAL BATCH: Terminal batch number.
- TERMINAL BATCH OPEN: Time and date terminal batch was opened.
- TERMINAL BATCH CLSE: Time and date terminal batch was closed.
- ACCOUNT NUMBER: Account number for the proprietary card.
- **STAN:** System traced audit number (Transaction ID).
- Unconfirmed Transaction Report DLR#: 9999194 Printed: 08/17/12 16:24:55 Workstation Id POS011 Terminal Batch 8 Terminal Batch Open: 08/15/2011 10:10:53 Terminal Batch Clse: 11/15/2011 02:04:16 Account number Stan Total amount TimeStamp TransType Ticket# ProdDesc Code Quantity PPU Amount 7079292000005551045 1694 10.00 452007831 02/14/2013 04:16:11 ADVICE Leaded 18 0.116/G @6.112 10.00
- 7079292000005551021
   2018
   15.00

   09/11/2013
   05:19:21
   PREAUTH
   902000611

   General
   400
   1.00/EA
   @9.98
   9.98

   General
   950
   1.00/EA
   @2.50
   2.50
- TOTAL AMOUNT: Total amount of the card transaction.
- TIMESTAMP: Date and time of the transaction.
  - MM/DD/YY: Date in month, date year format.
  - HH:MM:SS: Time in hour, minutes, and seconds.
- TRANSTYPE: Proprietary card transaction detail.
- TICKET#: Receipt number.
- **PRODDESC CODE:** Description and code assigned to product.
- QUANTITY: Amount of transaction.
- PPU: Price per unit of transaction.
- AMOUNT: Amount of transaction.