

# Cullinan Group Financial Transactions

## Feature Reference

Date: May 9, 2018



**Verifone**<sup>®</sup>

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# Cullinan Group Financial Transactions

## Using This Feature Reference

This Feature Reference provides detailed information on how to configure and use the Cullinan Group Financial Transactions feature on the Verifone Commander Site Controller.

This feature document contains the subsections listed below:

- **Overview** - This section contains a brief description, requirements and the supported hardware configurations for the Cullinan Group Financial Transactions Services feature on the Commander Site Controller.
- **Configuring** - This section contains information on how to configure the Cullinan Group Financial Transactions feature on the Commander Site Controller.
- **Using** - This section describes using the Cullinan Group Financial Transactions feature.
- **Reporting** - This section contains a sample report with detailed report description for the Cullinan Group Financial Transactions feature on the Commander Site Controller.

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## Revision History

| Date       | Description               |
|------------|---------------------------|
| 05/09/2018 | Initial document created. |

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## GLOSSARY OF TERMS

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

| Terms  | Definitions  |
|--|--|
| MOP  | Method of Payment, tender type   |
| POS  | Point of Sale, register  |
| Product Code/<br>Product ID                          | Cullinan's identifier of a product or service. The product id is any number that Cullinan uses for identifying their products. It does not fall into Commander's PLU file. |
| NAXML Product<br>Code Connexus<br>Payments<br>System | Industry standard identifier to categorize a UPC or Department.  |
| VPN  | Virtual Private Network  |
| PII  | Personal Identifiable Information  |
| OTP  | One-Time Password  |
| Config Client  | Configuration Client   |

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## Overview

### Feature Description

This document provides a description of a new Commander feature that implements the ability to support financial transaction services provided by Cullinan Group. It details how the user can configure, use and find reports for transactions provided through the Cullinan Group Financial Transaction interface on the Commander POS.

The Cullinan Group Financial Transaction Interface provides access to a range of Third-Party Product Providers. A retailer can utilize a Kiosk, POS Terminal, mobile phone, browser or third party device to sell a range of financial services products such as money transfer, travel money, re-loadable debit card, and check cashing.

### Hardware Requirements

- Commander Site Controller with Topaz
- Commander Site Controller with Ruby2
- RubyCi with Topaz
- RubyCi with Ruby2

### Software Requirements

- Base level is B049.01

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# Configuring Cullinan Financial Transaction Interface

## Prerequisites

The following requirement must be met before the interface is activated:

- Connect the POS and Cullinan host via public access or secure VPN.

Configuring the Cullinan Financial Transaction Interface feature encompasses:

- Enter the sales mode in the User Panel Function to scan or manually enter the third party product provider information.
- Enter the sales mode in the Soft Key Function to scan or manually enter the third party product provider information.
- In Config Client (Configuration Client), under Payment Controller in the Third Party Product Configuration menu on the POS side configure the connectivity to Cullinan.
- Enabling or disabling the Third Party Product Provider feature.
- The URL populates with default data. Create a OTP (one-time password) to setup or change the URL.
- Create a custom error instruction message to print on receipts for customers.
- Create a custom error instruction message to display on the POS for the cashier.
- Configure one or more Cullinan product ID ranges along with a field to assign a department to each range. There are no reserved Conexus Product Codes for third party products, so list all departments.
- Determine if the user can view or edit the configuration.

## Department Configuration

Departments need to be setup first for each transaction type. A department is a group of similar items. For example, a dairy department might include items like milk, butter, eggs and ice cream.

A department item is sold in one of the following ways:

- [Department] soft key: A specific key set up for a specific department.
- [OTHER DEPT] key: A specific key set up to accept sales to any defined department number.

The maximum number of departments that can be configured by platform:

- Ruby Ci - 9999
- Commander Site controller - 9999

## Using Department Sales

Following are the types of Department Sales:

- [Basic Department Sales](#)
- [Department Sales with Fee \(Money Order\)](#)
- [Department Sales with ID Check](#)
- [Department Sale with Fractional Quantity](#)
- [Department Sale with At-For Pricing](#)

## Basic Department Sale

1. Key <amount> of the item
2. Do one of the following:
  - Touch **department**
  - Press **department** key
  - Press [OTHER DEPT] and then press appropriate department in the Other Department list



## Department Sale with Fee (Money Order)

Money orders are typically sold using department keys. It is common to charge fee for each money order sold. This fee is typically configured to be added automatically.



*No more than five money orders can be sold during a single transaction.*

1. Key <amount> (for example: [1] [0] [0] [0] = \$10.00)
2. Touch [MONEY ORDER] soft key

Or

1. Press [OTHER DEPT] and touch **Money Order** in the **Other Department list**
2. Key <payee> or touch [OK] for a blank name
3. Touch [OK] or press [ENTER] to complete manually and add money order sale to the transaction along with any applicable configured fee

## Department Sale with ID Check

Departments with alcohol and tobacco products are usually set up with age verification. Purchase of these products is the same as with other departments with the exception of the age verification feature. The system displays message altering the cashier that an ID check is required.

The system rejects further entries until the date of birth is entered. Once entered, the system determines if the customer is old enough to purchase the item and either adds it to the transaction or displays a message.

1. Touch or scan a product requiring ID checking
2. Do one of the following:
  - Key birth date (mm/dd/yy) and touch [OK] or press [ENTER]
  - Swipe the magnetic stripe on the driver's license
  - Scan the 2D bar code on the driver's license

The system either adds item to transaction or displays a message that purchase is not allowed.

## Department Sales with Fractional Quantity

Department items can be sold in fractional quantity.

1. Key quantity to be sold (for example: [5] [0] = 1/2 pound)
2. Press [QTY] or enter the department item
3. Do one of the following:
  - Key a PLU on the keyboard and press [ENTER]
  - Touch a PLU soft key
  - Scan the bar code

## Department Sale with At-For Pricing

Pricing for some department items is based on purchase of a particular quantity for example, 3 candy bars for \$1.00. This is known as At-For Pricing (@/pricing).



*At-For Pricing cannot be used with items sold in fractional quantities.*

1. Key quantity being sold and press [QTY]
2. Key number of items on which the price is based (for example, if the item sells three for \$1.00, then key [3])
3. Press [QTY] and key the base price (for example, key [1][0][0])
4. Do one of the following
  - Touch the department
  - Press [OTHER DEPT] and then touch the department in the Other Department list

Recap: To ring up one unit of item that sells 3 for \$1.00 - Press [3] [QTY] [3] [QTY] [1] [0] [0] this will look on screen like 3@3/100, then department.

## Configuring Department Sales

Use Department section under Store Operations > Merchandise > Departments to define the departments.

## Merchandise Configuration

**Merchandise Configuration**

Categories | Product Codes | **Departments**

Add  Delete

Select Department

- 0205 - Electronic Cigarettes
- 0206 - Single Cigars
- 0402 - Beverages Juices
- 0403 - Beverages Bottled Water
- 0406 - Beverages Teas
- 0407 - Beverages Energy Drink
- 0444 - Chips
- 0450 - Chocolate Candy Bars
- 6541 - Lottery Sales Winner

Number: 205

Name: Electronic Cigarettes

Min. Amount: 0.00

Max. Amount: 0.00

Product Code: 0411 - CIGARETTES

Category:

Fuel Tax Exemption:

Fees:  Edit

ID Check:  Edit

Taxes:  Edit

Blue Laws:  Edit

**Options**

- Allow Food Stamps
- Allow Special Discount
- Allow Fractional Quantity
- Negative Department
- Fuel Department
- Money Order Department
- Prompt Serial Num
- Prohibit Manual Discount

| Field / Button | Allowable Value/Function                    |
|----------------|---|
| Number         | Enter the new department number (1 - 9999). |
| Delete         | Click to delete the selected department.    |

| Field / Button | Allowable Value/Function   |
|----------------|--|
| Add            | Click to add a new department.   |
| Name           | Enter a description (alphanumeric, 1 - 16).  |
| Min Amt        | Enter the department's minimum allowable dollar amount for a line item sale (0.00 - 9999.99).  |
| Max Amt        | Enter the department's maximum allowable dollar amount for a line item sale (0.00 - 9999.99).  |
| Product Code   | Select the name assigned to the product code (set by the network) that categorizes the products sold.<br><br><i>Note: If a PLU and a department have different codes, the product code assigned to the PLU overrides but only if the product code in the PLU File ≠ 0.</i> |
| Category       | If categories are used, select the category.<br><br><i>Note: Categories are set up in Store Operations &gt; Merchandise &gt; Category.</i>   |
| Fee            | If a fee automatically applies to sales in this department, select the fee.<br><br><i>Note: Fees are set up in Store Operations &gt; Payment &gt; Fees.</i>  |
| ID Check       | Click Edit and select the appropriate ID Check.<br><br><i>Note: ID Checks are set up in Store Operations &gt; Restrictions &gt; ID Check.</i>  |

| Field / Button         | Allowable Value/Function  |
|------------------------|---|
| Taxes                  | <p>If a tax is added when items in the department are sold, click Edit and select the appropriate tax.</p> <p><i>Note: Taxes are set up in Store Operations &gt; Payment &gt; Tax Rates</i></p>   |
| Blue Laws              | <p>If the sale of an item in the department is restricted on a designated day(s), click Edit and select the appropriate Blue Law.</p> <p><i>Note: Blue Laws are set up in Store Operations &gt; Restrictions &gt; Blue Laws</i></p>   |
| Fuel Tax Exemption     | <p>Select the Fuel Tax Exemption that applies to the department.</p> <p>Notes:</p> <ul style="list-style-type: none"> <li>• This parameter does not appear unless a Fuel Tax Exemption record has been set up in Forecourt &gt; Fuel Tax Exemption.</li> <li>• Applies to fuel departments only.</li> </ul> |
| Allow Food Stamps      | <p>Select if food stamps may be used to purchase items in this department.</p>  |
| Allow Special Discount | <p>Select if the items in this department may have a special discount applied to them (for example, a Senior Citizen Discount).</p> <p><i>Note: If this parameter is selected, then Special Discount MOP should be set up in Store Operations &gt; Payment &gt; MOP with Special Discount MOP Code.</i></p> |

| Field / Button            | Allowable Value/Function  |
|---------------------------|---|
| Allow Fractional Quantity | <p>Select if items in this department are to be sold in fractional quantities.</p> <p><i>Note: If this parameter is selected, all quantities entered in department sales for this department are read as decimals. For example, if the quantity is 1¾ lbs of turkey, key [1] [7] [5]. If this parameter is not selected, all quantities entered are read as whole numbers.</i></p>  |
| Negative Department       | <p>Select if transaction amounts are subtracted from receipt and report totals.</p>   |
| Fuel Department           | <p>Select to define the department as a fuel department.</p> <p><i>Note: If this parameter is selected, then do not select "Mark as Negative."</i></p>  |
| Money Order Department    | <p>Select to define the department as a money order department.</p> <p><i>Note: If this parameter is selected, then do not select "Mark as Negative."</i></p>   |
| Prompt Serial Number      | <p>Some items that Convenience Stores sell need to have their serial number printed on the receipt. When such an item is scanned/entered, the POS needs to prompt the cashier to enter the product's serial number.</p> <p>Enable to prompt for serial number to be printed on the receipt. Cashier can either enter the serial number or bypass the prompt to complete the transaction. Serial number can be entered via screen keys, hard keys, or scanned via scanner.</p> |

| Field / Button    | Allowable Value/Function  |
|-------------------|---|
| Prohibit Discount | Select to prohibit discounts configured to be applied by pressing the discount key.<br><br>Prohibit Discount does not affect PLU Promo, NAXML Promo (Combo/MixMatch), or Loyalty line item discounts. |

## Reporting

The Department Report reflects sales-related totals and counts on a department by department basis.

| DEPARTMENT REPORT |             |        |         |           |           |
|-------------------|-------------|--------|---------|-----------|-----------|
| DEPT#             | DESCRIPTION | CUST   | ITEMS   | %OF SALES |           |
|                   |             | GROSS  | REFUNDS | DISCOUNTS | NET SALES |
| -----             |             |        |         |           |           |
| 9001              | BAKERY      | 2      | 2.00    | 2.83%     |           |
|                   |             | 11.00  | 0.00    | 0.00      | 11.00     |
| 9004              | TAX GROC    | 5      | 6.00    | 2.46%     |           |
|                   |             | 10.26  | 0.00    | 0.70      | 9.56      |
| 9005              | DAIRY       | 2      | 2.00    | 1.31%     |           |
|                   |             | 5.58   | 0.00    | 0.50      | 5.08      |
| 9006              | N/TAX GROC  | 3      | 1.00    | 3.48%     |           |
|                   |             | 15.50  | 2.00    | 0.00      | 13.50     |
| 9030              | MONEY ORDER | 2      | 2.00    | 30.96%    |           |
|                   |             | 120.00 | 0.00    | 0.00      | 120.00    |
| 9031              | M.O. FEE    | 2      | 3.00    | .81%      |           |
|                   |             | 3.00   | 0.00    | 0.00      | 0.22      |

Sample Department Report for All Departments

|                   |   |        |        |         |
|-------------------|---|--------|--------|---------|
| 9032 BOTTLE DEPOS | 1 | 7.00   | 0.33%  |         |
|                   |   | 1.30   | 0.00   | 0.00    |
|                   |   |        |        | 1.30    |
| 9033 BOTTLE RETUR | 1 | -2.00  | -0.08% |         |
|                   |   | -0.30  | 0.00   | 0.00    |
|                   |   |        |        | -0.30   |
| 9040 UNLD.        | 2 | 2.00   | 25.80% |         |
|                   |   | 100.00 | 0.00   | 0.00    |
|                   |   |        |        | 100.00  |
| 9041 MID          | 1 | 1.00   | 12.96% |         |
|                   |   | 50.24  | 0.00   | 0.00    |
|                   |   |        |        | 50.24   |
| 9042 PREM.        | 1 | 1.00   | 11.86% |         |
|                   |   | 50.00  | 0.00   | 4.02    |
|                   |   |        |        | 45.98   |
| 9050 PLU NOT FOUN | 1 | 1.00   | 0.32%  |         |
|                   |   | 1.25   | 0.00   | 0.00    |
|                   |   |        |        | 1.25    |
| 9060 MISC         | 8 | 12.00  | 2.11%  |         |
|                   |   | 32.98  | 0.69   | 4.95    |
|                   |   |        |        | 8.20    |
| -----             |   |        |        |         |
| NEG DEPTS         |   | -2.00  |        |         |
|                   |   | -0.30  | 0.00   | 0.00    |
|                   |   |        |        | -0.30   |
| OTHER DEPTS       |   | 66.00  |        |         |
|                   |   | 400.81 | 2.69   | 10.17   |
|                   |   |        |        | 387.95  |
| -----             |   |        |        |         |
| TOTAL             |   | 64.00  |        | 100.00% |
|                   |   | 400.51 | 2.69   | 10.17   |
|                   |   |        |        | 387.65  |



## Report Details

- DEPT#: Four-digit identification of the product as it appears in the Department File.
- CUST: Number of transactions that included one or more items from this department.
- ITEMS: Quantity sold of this item.
- %OF SALES: Total Sales for this department divided by Total Sales (all departments).
- GROSS: Total dollar amount collected for sales of a department.
- REFUNDS: Total dollar amount refunded for items returned in a department.
- DISCOUNTS: Total dollar amount discounted for items sold in a department. This total includes both automated and manual discount types:
  - Use of the [DISC], [DISC%], and [DISC AMT] keys
  - Combo, mix 'n match, fuel, and promotional discounts
  - POP discounts
- NET SALES: Total dollar amount of items sold in a department after refunds and discounts have been applied.
- NEG DEPTS: The totals for departments marked as negative departments.
- OTHER DEPTS: The totals for other department sales are not marked as negative departments (typically, most departments fall into this group).
- TOTAL: Total department sales after negative department total is subtracted from other (standard) departments.

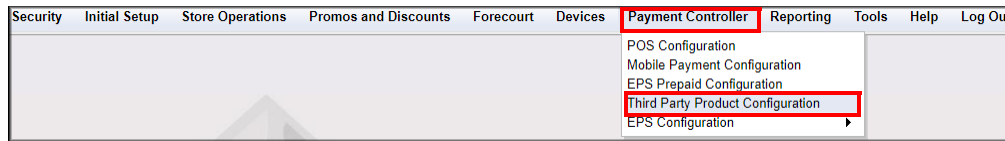
## Troubleshooting

| #     | Message            | Description/Action   |
|-------|--------------------|--|
| E1115 | INVALID DEPARTMENT | The department entered in Department Setup function in Car Wash Manager mode does not exist. Define the department in the Department File or choose another department |

| #     | Message                               | Description/Action  |
|-------|---------------------------------------|---|
| E1116 | AMOUNT TOO LARGE                      | The dollar amount entered is larger than the maximum allowed for this department or MOP.  |
| E1121 | DISCOUNT TOO SMALL                    | The discount entered is less than the set minimum amount.   |
| E1122 | DISCOUNT TOO LARGE                    | The discount entered is more than the set maximum amount.   |
| E1131 | AMOUNT TOO SMALL                      | The dollar amount entered is less than the minimum set up for the department or MOP.  |
| E1140 | AMOUNT REQUIRED                       | A dollar amount must be entered.  |
| E1141 | PURCH. NOT ALLOWED                    | The customer cannot purchase this item because either (1) the date of birth entered for the ID check does not meet the age requirements or (2) a Blue Law restriction has been set up for this item or department at this time on this day. |
| E1145 | CASH ONLY ALLOWED                     | Only cash is allowed in this transaction.   |
| E1201 | NO AT-FOR SALES<br>W/FRACTIONAL QTY   | At-for pricing cannot be used for items that can be sold in fractional quantities.  |
| E6720 | DEPARTMENT INVALID                    | The department number was determined to be invalid.   |
| E7056 | DEPARTMENT NOT FOUND                  | User has attempted to configure an invalid department for the Loyalty program.  |
| E7057 | DEPARTMENT ALREADY<br>PART OF LOYALTY | User has attempted to configure the same department more than once in the Loyalty file.   |

## Third Party Product Configuration

1. From the Configuration Client, go to: Payment Controller > Third Party Product Configuration.



The Third Party Product Configuration window displays.

The screenshot shows the 'Third Party Product Configuration' window. It contains the following fields and controls:

- Provider: Cullinan (dropdown menu)
- Barcode Prefix: CULL (text input)
- Enabled:
- Table headers: Department, Range Start, Range End
- Table content: 1-1 of 0
- Buttons: Add, Delete

## Provider Configuration

Configure the Provider parameters.

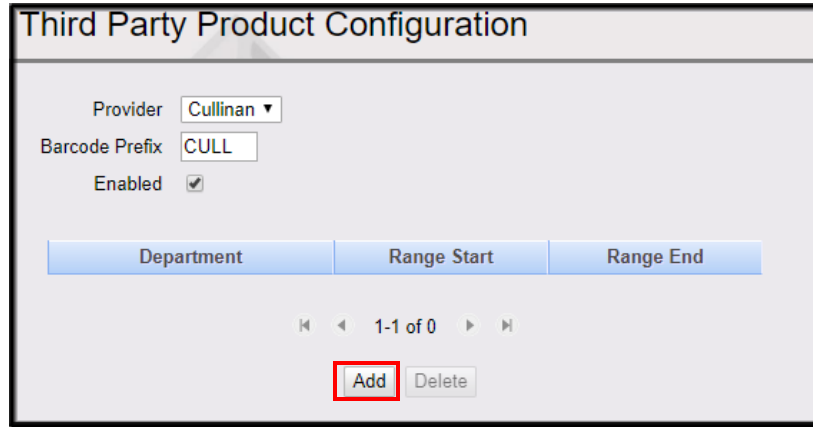
This close-up screenshot shows the configuration fields for the Provider:

- Provider: Cullinan (dropdown menu)
- Barcode Prefix: CULL (text input)
- Enabled:

| Value          | Description                    |
|----------------|--------------------------------|
| Provider       | Select [Cullinan].             |
| Barcode Prefix | Type "CULL".                   |
| Enabled        | Enables the Provider Cullinan. |

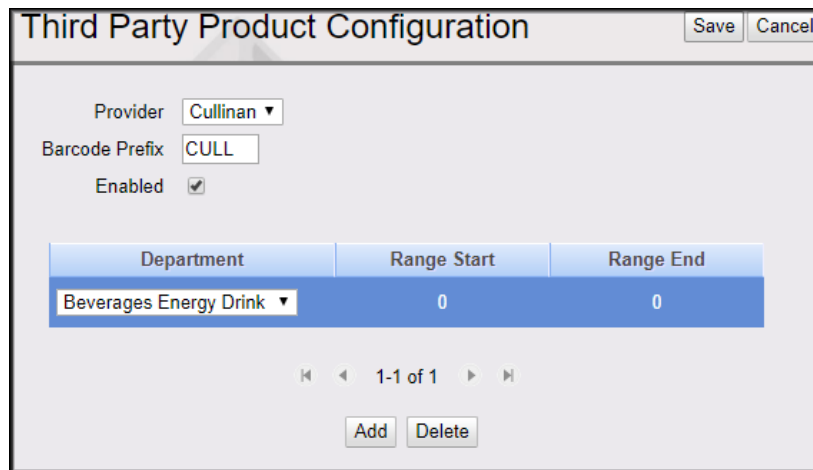
## Map the Product ID ranges to the Departments

1. In the Department Section, select [ADD].



The screenshot shows the 'Third Party Product Configuration' window. At the top, there are three fields: 'Provider' with a dropdown menu set to 'Cullinan', 'Barcode Prefix' with a text box containing 'CULL', and 'Enabled' with a checked checkbox. Below these fields is a table with three columns: 'Department', 'Range Start', and 'Range End'. The table is currently empty. Below the table, there are navigation controls: a left arrow, '1-1 of 0', a right arrow, and a double right arrow. At the bottom, there are two buttons: 'Add' (highlighted with a red box) and 'Delete'.

2. From the Department drop-down menu, select the appropriate Department.



The screenshot shows the 'Third Party Product Configuration' window. At the top right, there are 'Save' and 'Cancel' buttons. The 'Provider' dropdown is set to 'Cullinan', 'Barcode Prefix' is 'CULL', and 'Enabled' is checked. The table below has three columns: 'Department', 'Range Start', and 'Range End'. The first row is highlighted in blue and contains the text 'Beverages Energy Drink' in the 'Department' column, '0' in the 'Range Start' column, and '0' in the 'Range End' column. Below the table, there are navigation controls: a left arrow, '1-1 of 1', a right arrow, and a double right arrow. At the bottom, there are two buttons: 'Add' and 'Delete'.

3. In the Range Start field, enter the appropriate Range Start number.



*The maximum length for a valid numeric value for a start or end range is 14.*

The screenshot shows the "Third Party Product Configuration" window. At the top right are "Save" and "Cancel" buttons. Below them are fields for "Provider" (Cullinan), "Barcode Prefix" (CULL), and "Enabled" (checked). A table below has three columns: "Department", "Range Start", and "Range End". The first row shows "Beverages Energy Drink" in the Department column, "1" in the Range Start column (highlighted with a red box), and "0" in the Range End column. Below the table are navigation arrows and "1-1 of 1", and "Add" and "Delete" buttons at the bottom.

4. In the Range End field, enter the appropriate Range End number.

The screenshot shows the "Third Party Product Configuration" window. At the top right are "Save" and "Cancel" buttons. Below them are fields for "Provider" (Cullinan), "Barcode Prefix" (CULL), and "Enabled" (checked). A table below has three columns: "Department", "Range Start", and "Range End". The first row shows "Beverages Energy Drink" in the Department column, "1" in the Range Start column, and "4" in the Range End column (highlighted with a red box). Below the table are navigation arrows and "1-1 of 1", and "Add" and "Delete" buttons at the bottom.

Repeat this procedure until all desired departments are added and all the product ID ranges are mapped to the Cullinan provider.

5. To save your changes, click Save, or click Cancel to exit without saving changes.

Third Party Product Configuration Save Cancel

Provider

Barcode Prefix

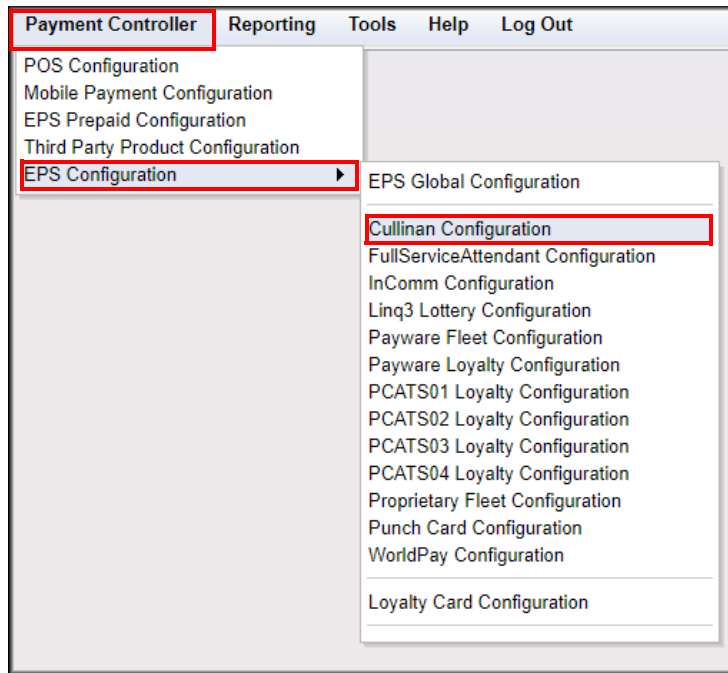
Enabled

| Department  | Range Start | Range End |
|---|-------------|-----------|
| <input type="text" value="Beverages Energy Drink"/> | 1           | 4         |
| <input type="text" value="Beverages Juices"/>       | 5           | 8         |
| <input type="text" value="Chocolate Candy Bars"/>   | 9           | 12        |

1-3 of 3

## EPS Network Configuration

From the Configuration Client, go to: Payment Controller > EPS Configuration > Cullinan Configuration.



The Cullinan Configuration window displays.

The Cullinan Configuration window displays the following information:

- Cullinan Configuration**
- Edits require a one-time password (OTP)
- Network**
  - FEP Enabled
  - Agent ID
  - POS Sequence Number
- FEP Parameters**
  - Failure Message - Cashier Display
  - Failure Message - Receipt

1. Configure the Network parameters.

| Network             |                                     |
|---------------------|-------------------------------------|
| FEP Enabled         | <input checked="" type="checkbox"/> |
| Agent ID            | 123456                              |
| POS Sequence Number | 12345678                            |

| Value               | Description                   |
|---------------------|-------------------------------|
| Network             |                               |
| FEP Enabled         | Enables the FEP.              |
| Agent ID            | Sets the Agent ID.            |
| POS Sequence Number | Sets the POS Sequence Number. |

2. Configure the FEP parameters.

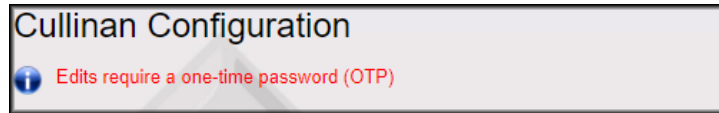
| FEP Parameters                    |                       |
|-----------------------------------|-----------------------|
| Failure Message - Cashier Display | Generic Error Message |
| Failure Message - Receipt         | Generic Error Message |

| Value                             | Description  |
|-----------------------------------|--|
| FEP                               |  |
| Failure Message - Cashier Display | Determines the failure message displayed on the cashier. |
| Failure Message - Receipt         | Determines the failure message displayed on the receipt. |

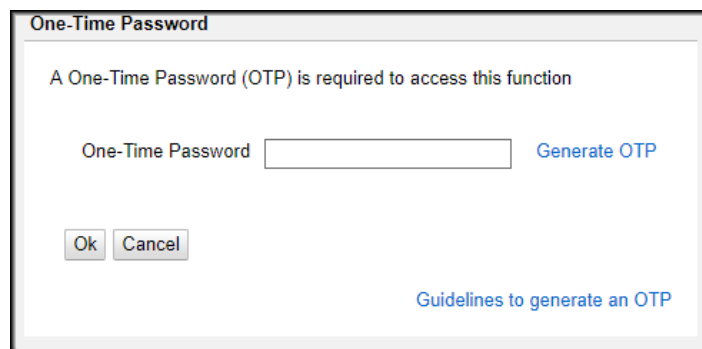


## One-time password (OTP)

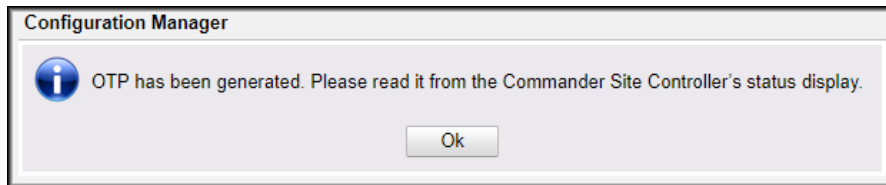
Editing information in the Network and FEP parameters requires a one-time password.



The One-Time Password window displays.

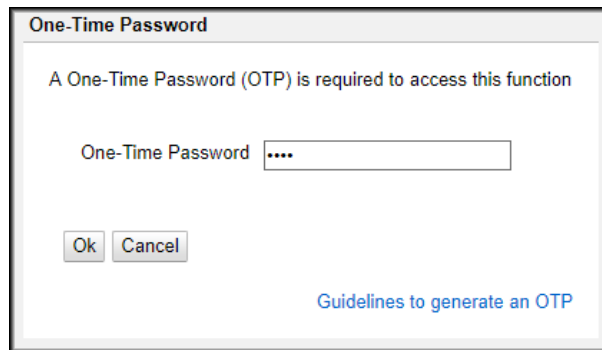


1. From the One-Time Password dialog box, click Generate OTP.
2. The OTP generates. Read it from the Commander Site Controller's status display.



3. Click Ok.

4. In the One-Time Password field, enter the OTP. Click Ok.

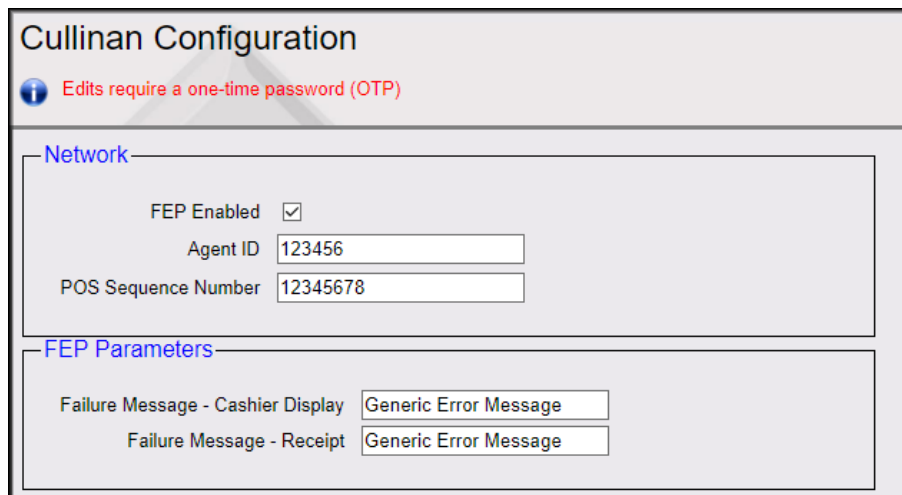


A One-Time Password (OTP) is required to access this function

One-Time Password

[Guidelines to generate an OTP](#)

The Cullinan Configuration window displays and saves the edited information.



### Cullinan Configuration

**!** Edits require a one-time password (OTP)

**Network**

FEP Enabled

Agent ID

POS Sequence Number

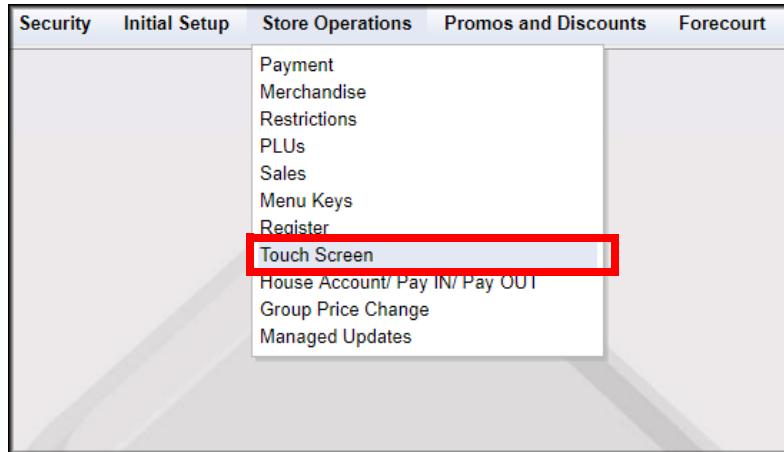
**FEP Parameters**

Failure Message - Cashier Display

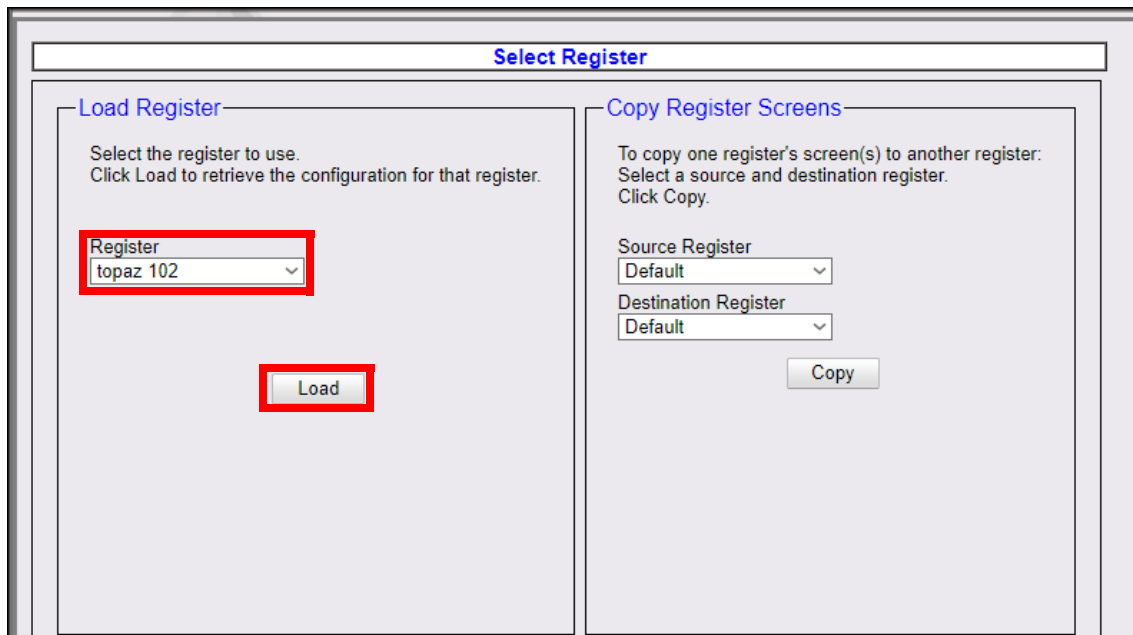
Failure Message - Receipt

## Configuring a Touchscreen button for Cullinan with Config Client

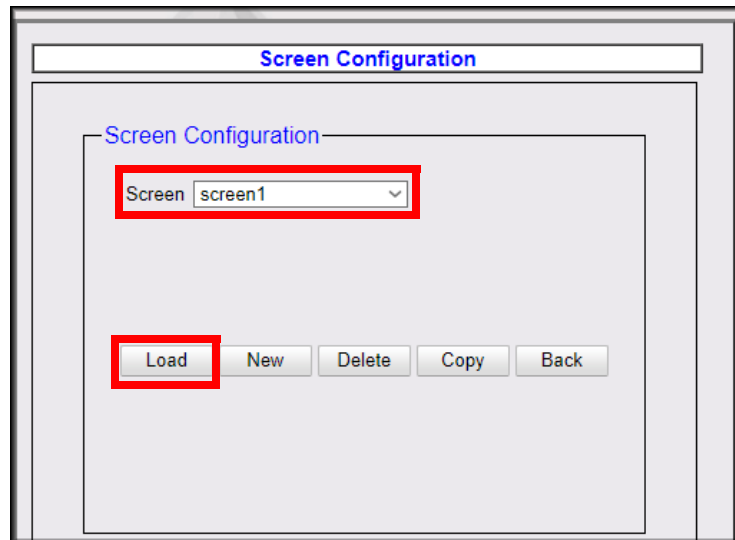
From the Configuration Client, go to: Store Operations > Touch Screen



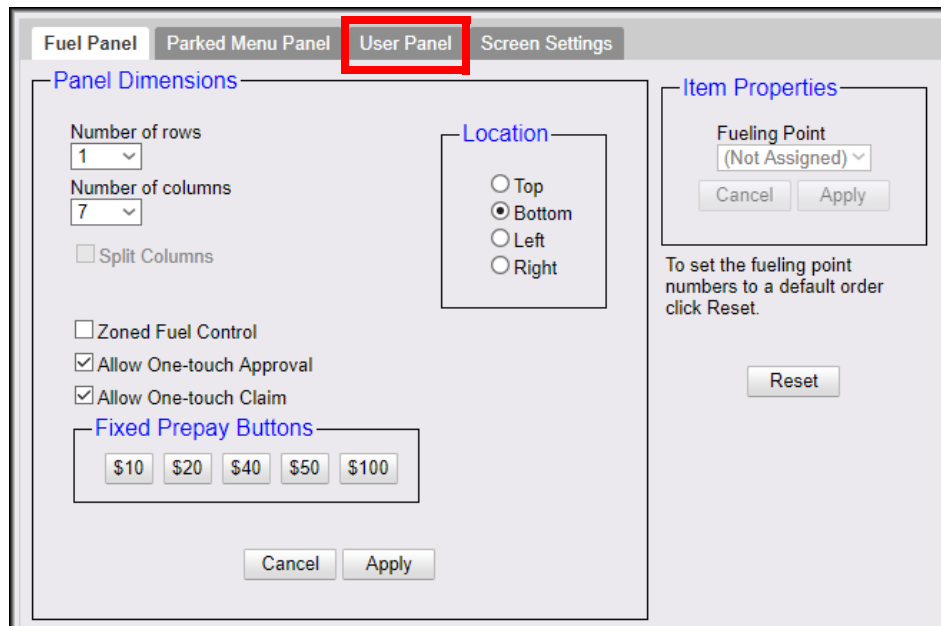
1. From the register drop-down, select the register to edit and click Load.



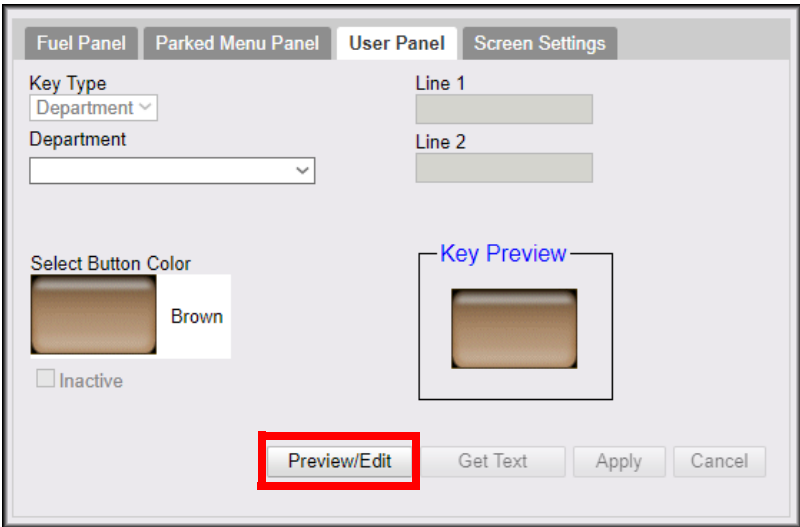
- From the Screen drop-down, select the screen to edit and Click Load.



- The fuel panel appears first. Select the User Panel tab.



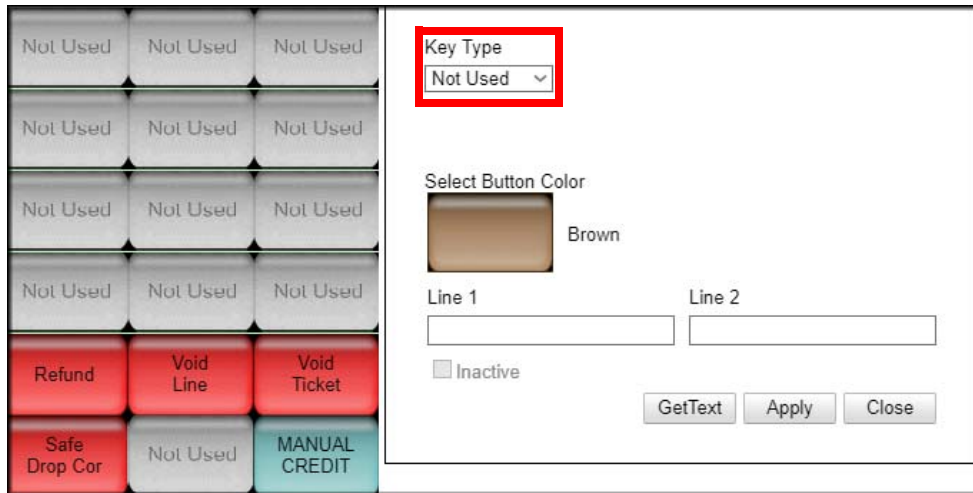
4. Click Preview/Edit and a preview of the Topaz screen appears.



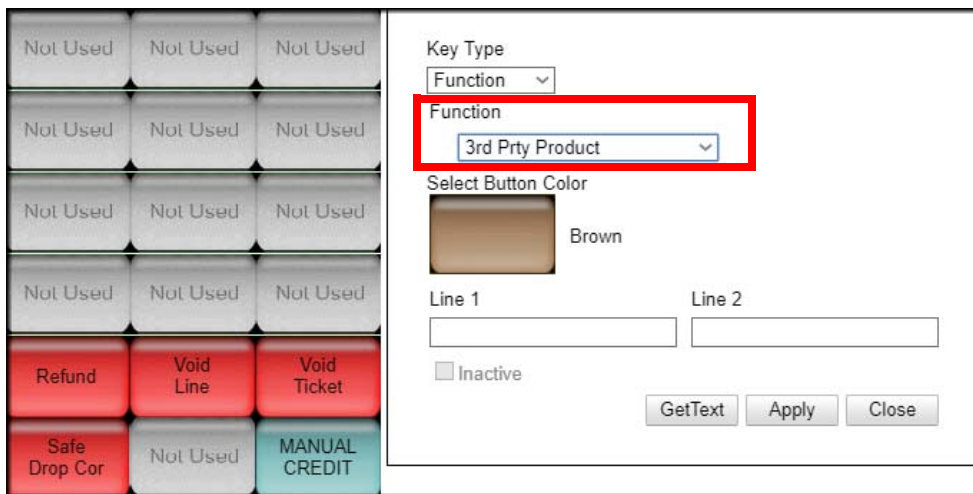
5. On the Preview/Edit screen, Double-click the appropriate button.



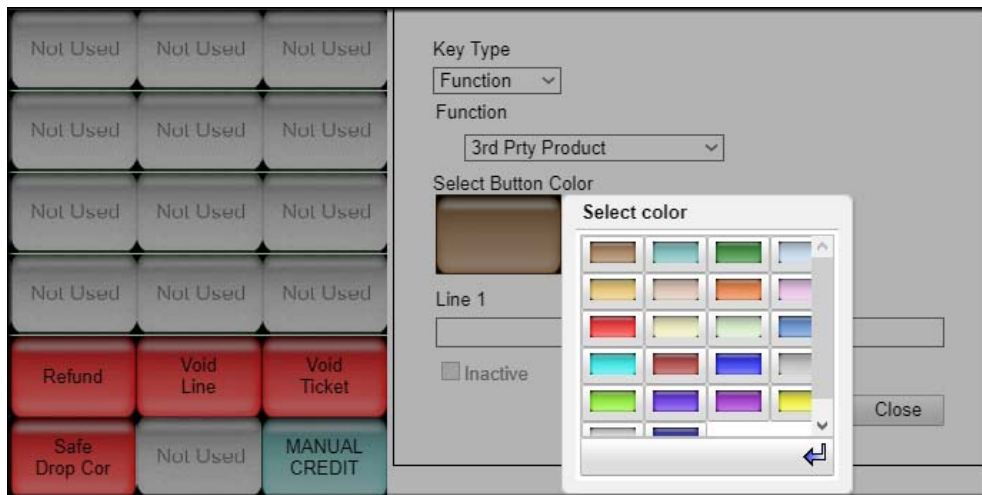
6. From the Key Type drop-down, select Function.



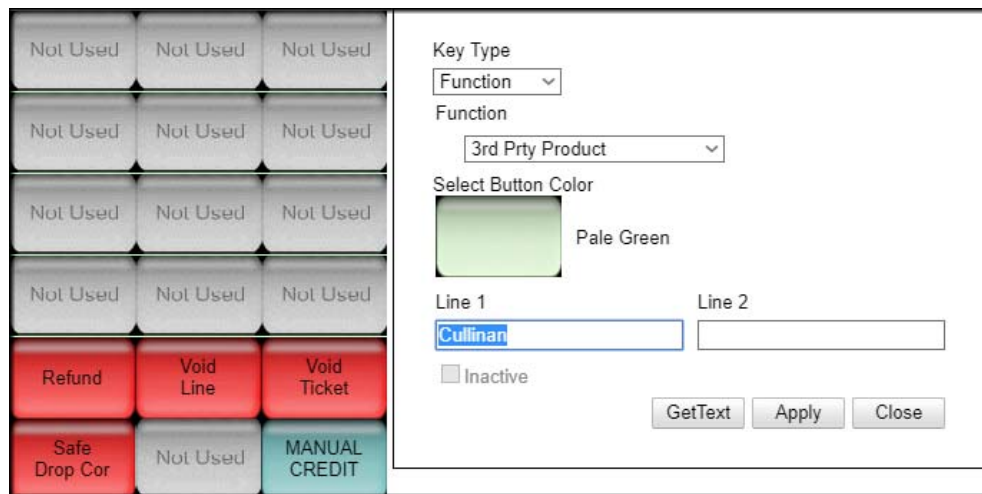
7. From the Function drop-down, select 3rd Prty Product.



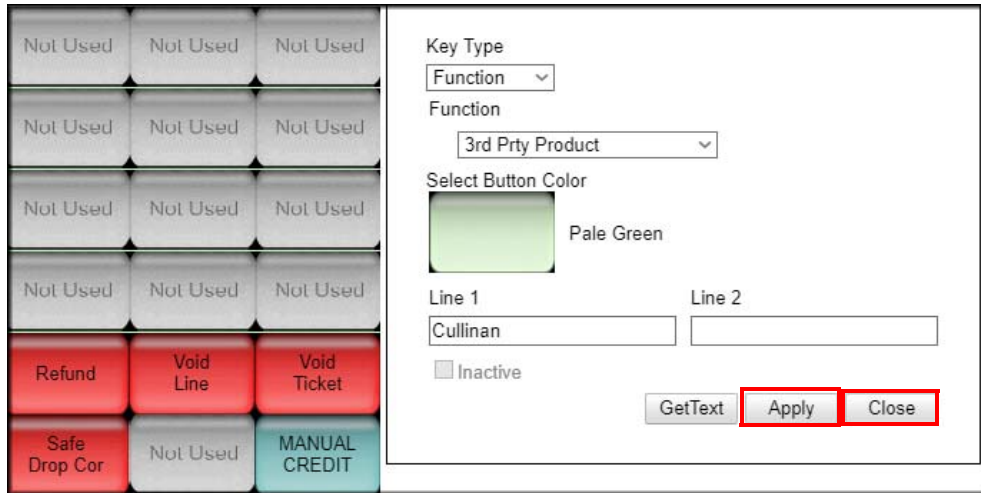
8. Select a button color for the touchscreen button.



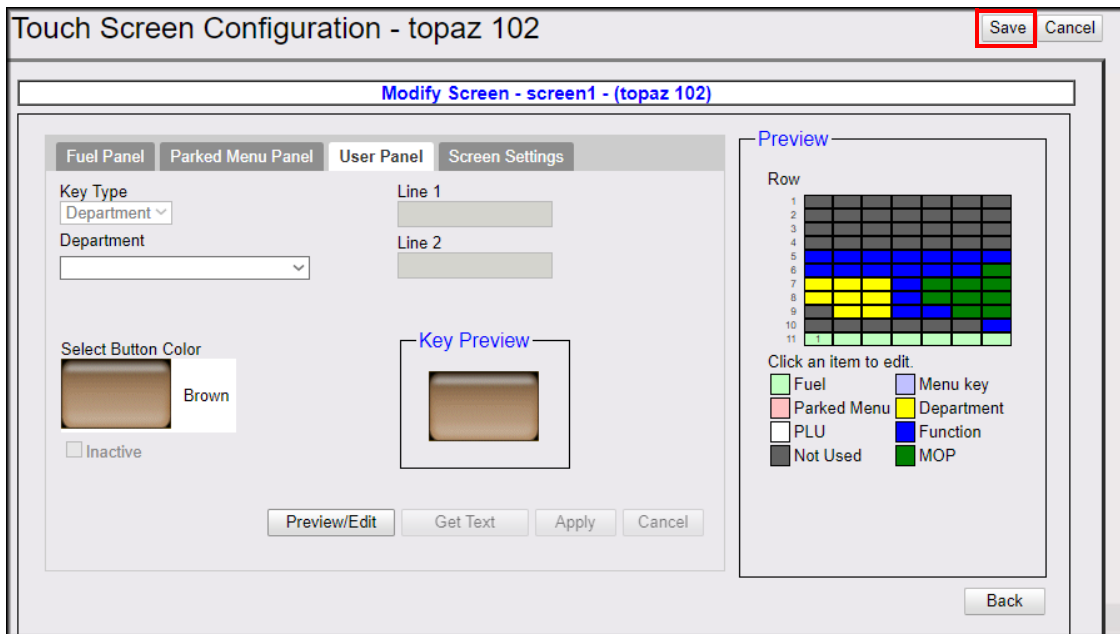
9. In Field Line 1, type Cullinan.



10. Click Apply, then Click Close.



11. Click Save.



Log out and back in to the Topaz after applying and saving the changes.



*Reboot is only required if logging out and back in does not result in syncing.*



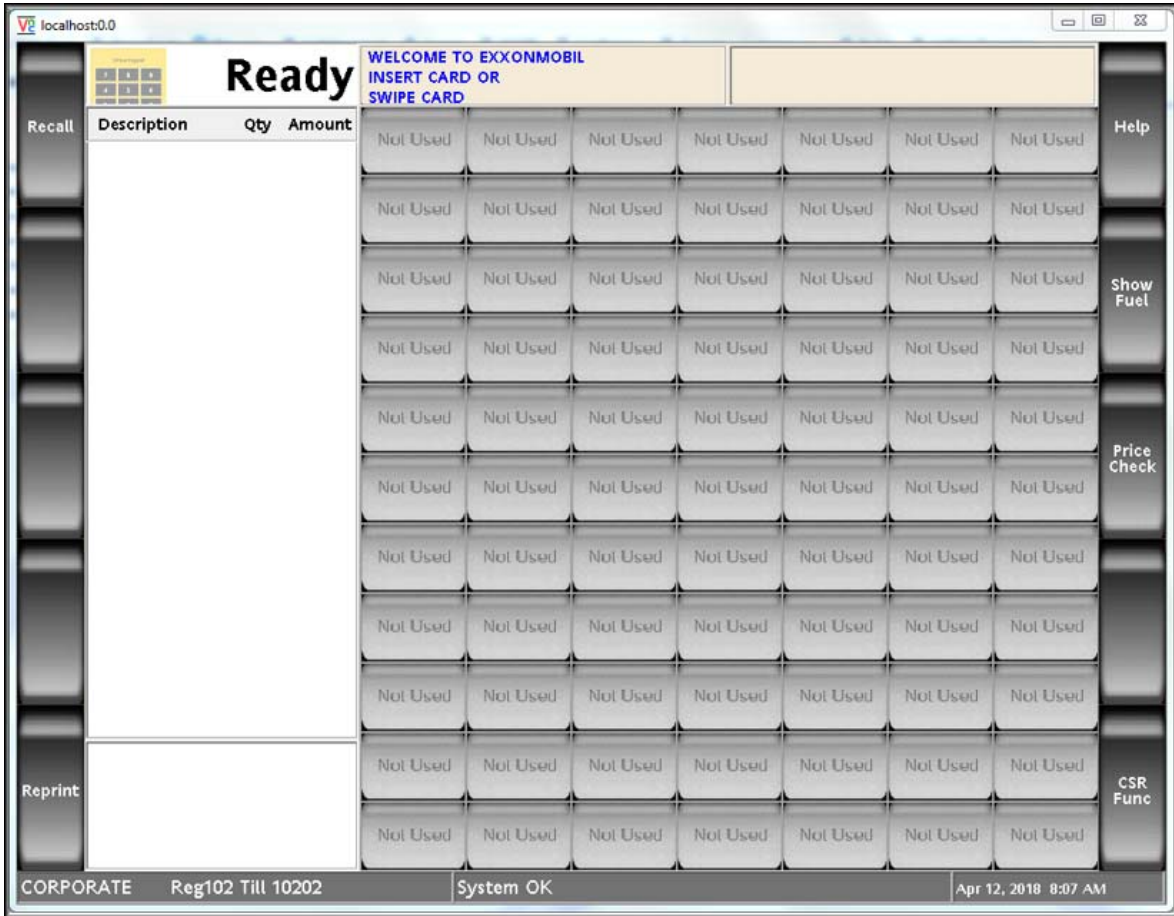
# Using the Cullinan Financial Transaction Interface

## Sales

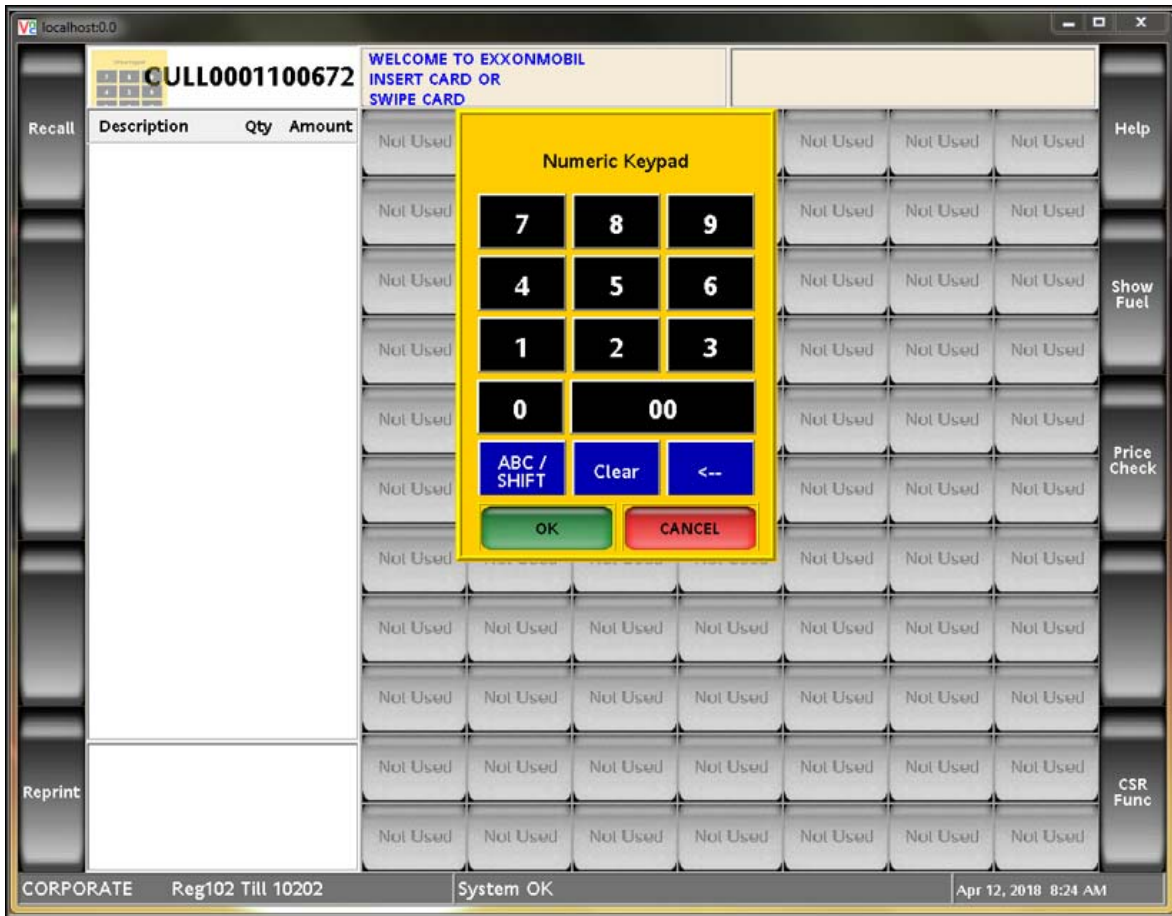
### Cullinan Transaction

The customer presents the Cashier with a Cullinan Voucher barcode.

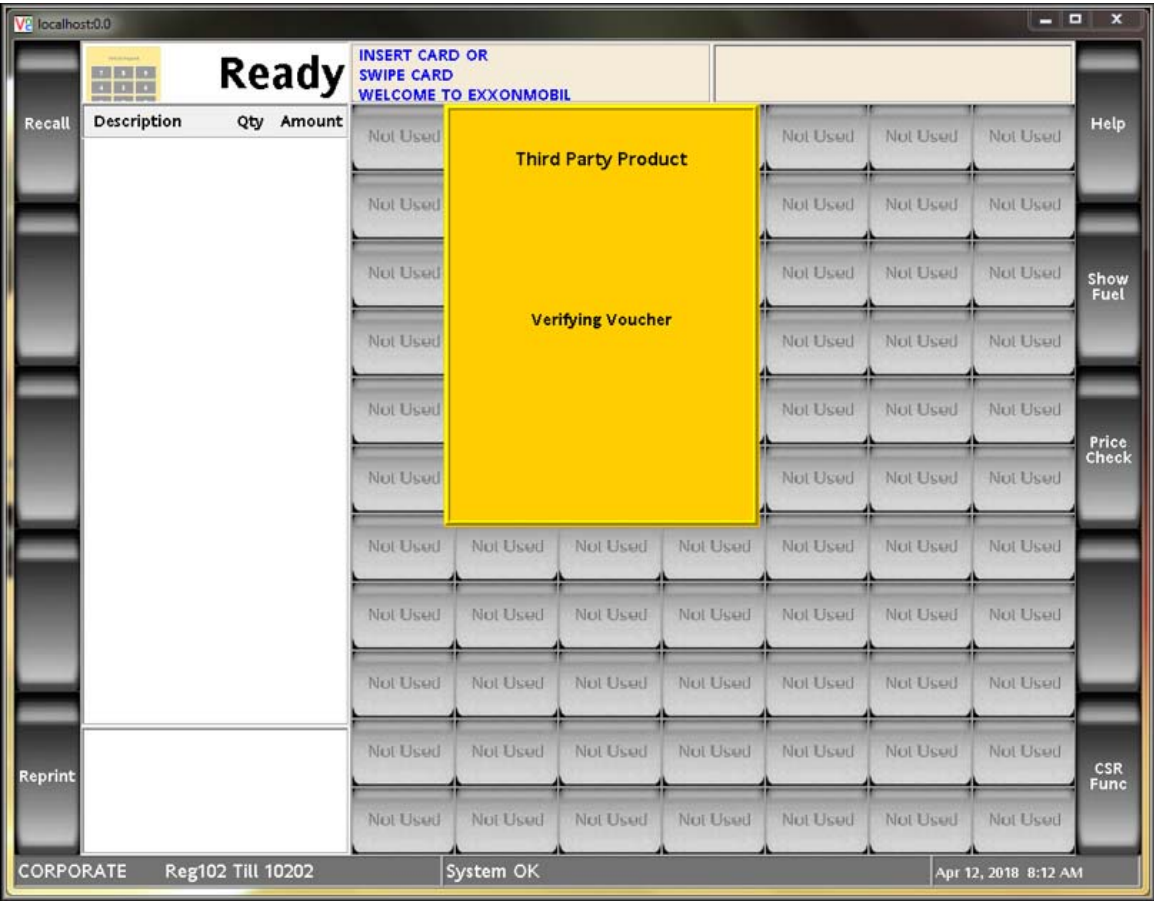
1. Manually input or scan the barcode at the touchscreen.



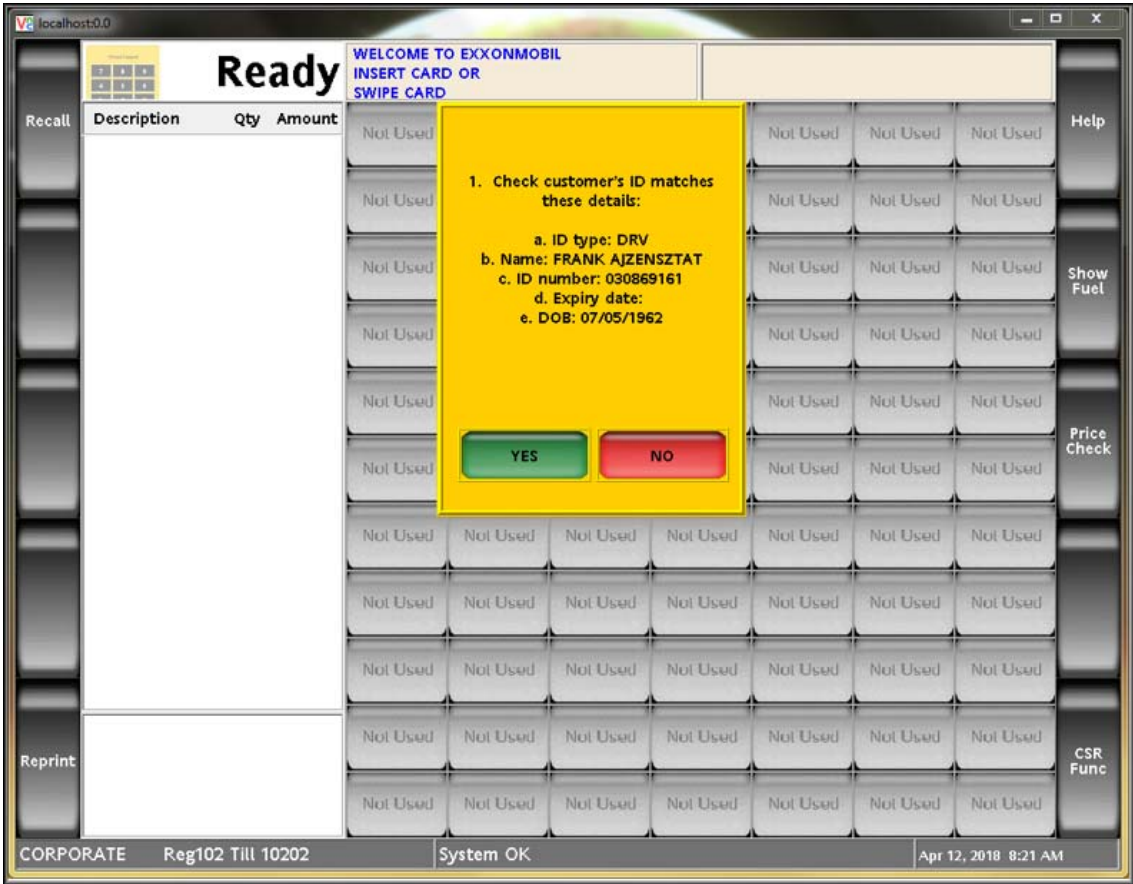
2. Type in the barcode to manually enter the barcode from the voucher. An example of manually entering the barcode is displayed below.



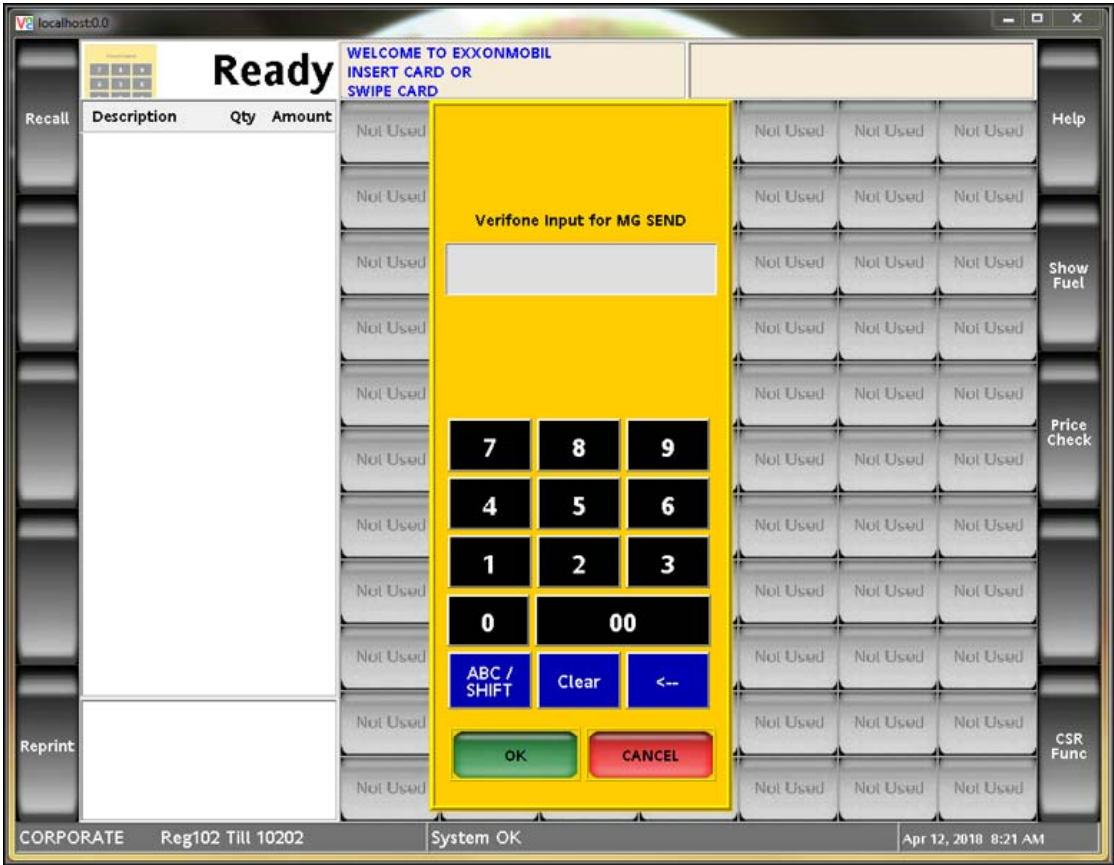
3. After scanning the voucher or after manual input, the Verifying Voucher prompt is displayed.



- 4. The request goes to the host and comes back to Viper. The response has several Operator Instructions which are displayed to the Cashier which must be verified with the customer.



- 5. The Operator Instructions can either be a Yes/No prompt or an Input Prompt as listed below. The input can be either be Keyboard entry or a Barcode Scan.



- 6. After the Operator Instructions are successfully implemented the item(s) belonging to the Voucher are displayed on the POS. These items are received from the host.



*If any of the Operator Instructions fail, the transaction is canceled there only.*

| Description     | Qty | Amount          |
|-----------------|-----|-----------------|
| Send Amount     | 1   | 300.00          |
| MoneyGram Fee   | 1   | 24.00           |
| <b>Subtotal</b> |     | <b>\$324.00</b> |
| <b>Tax</b>      |     | <b>\$0.00</b>   |
| <b>TOTAL</b>    |     | <b>\$324.00</b> |
| <b>Amt Due</b>  |     | <b>\$324.00</b> |

WELCOME TO EXXONMOBIL  
INSERT CARD OR  
SWIPE CARD

Buttons: Not Used (12x7 grid), Help, Show Fuel, Price Check, Error Correct

System Status: CORPORATE Reg102 Till 10202 | System OK | Apr 12, 2018 8:22 AM

- 7. The payment can be completed through Cash or Network Payment. Network Payment is out of scope for Cullinan. The following Prompt is displayed after payment is done. A request goes to Cullinan to 'Finalize Voucher' if the payment was successful.



*The transaction is canceled if the request fails.*

The screenshot shows a POS terminal window titled 'localhost:0.0'. At the top, it displays 'SWIPE CARD WELCOME TO EXXONMOBIL INSERT CARD OR'. Below this is a transaction summary table:

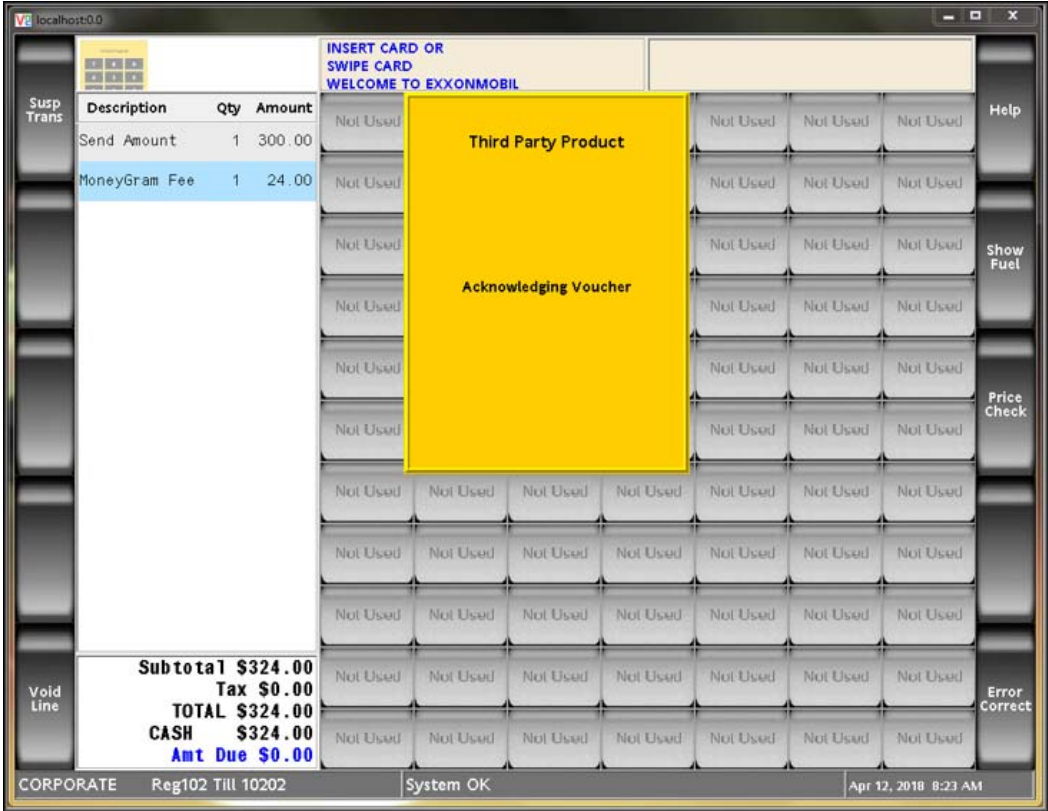
| Susp Trans | Description   | Qty | Amount |
|------------|---|-----|--------|
|            | Send Amount   | 1   | 300.00 |
|            | MoneyGram Fee   | 1   | 24.00  |
|            | <b>Subtotal \$324.00</b><br><b>Tax \$0.00</b><br><b>TOTAL \$324.00</b><br><b>CASH \$324.00</b><br><b>Amt Due \$0.00</b> |     |        |

The keypad area is mostly greyed out with 'Not Used' text. A large yellow rectangular overlay is centered on the keypad, containing the text 'Third Party Product' and 'Finalizing Voucher'. On the right side of the keypad, there are vertical labels: 'Help', 'Show Fuel', 'Price Check', and 'Error Correct'. At the bottom of the screen, it shows 'CORPORATE Reg102 Till 10202 System OK Apr 12, 2018 8:22 AM'.

- 8. After 'Finalizing Voucher', the 'Acknowledging Voucher' prompt is displayed, here we acknowledge the completion of the transaction to the Cullinan host.



*The transaction is canceled if the transaction fails.*



- 9. It directs back to the Idle Screen as the transaction is now complete. The cashier gives receipt to the customer.



## Reporting

All transaction types occurring within a reporting period are represented on Summary and Cashier Reports for that period.

### Summary Report

The Summary Report provides an overview of all sales from the beginning of the current period up to the time the report prints.

| SUMMARY REPORT            |            |        |
|---------------------------|------------|--------|
| ALL REGISTERS             |            |        |
| -----SUMMARY-----         |            |        |
| MOP SALES                 | 117.49     |        |
| NET SALES TOTAL           | 117.49     |        |
| PAYMENT OUT               | ( 241.00 ) |        |
| PAYMENT IN                | 100.00     |        |
| TOTAL TO ACCOUNT FOR      | -23.51     |        |
| -----CASHIER DETAILS----- |            |        |
|                           | MOP SALES  |        |
| CASH                      | 24         | 86.74  |
| EXACT CHANGE              | 8          | 29.50  |
| SPECIAL DISC              | 4          | 1.25   |
| TOTAL MOP SALES           |            | 117.49 |

#### Report Details:

- **TITLE:** SUMMARY REPORT
- **SUMMARY**
  - **MOP SALES:** Total sales amount by method of payment.
  - **NET SALES TOTAL:** Total amount tendered after cancellations and refunds are deducted.
  - **PAYMENT OUT:** Total amount of non-sales transactions that are removed from the drawer.
  - **PAYMENT IN:** Total amount of non-sales transactions that added payment to the drawer.
  - **TOTAL TO ACCOUNT FOR:** Calculated using the following:
    - + Net Sales Total
    - Payment Out
    - + Payment In
- **CASHIER DETAILS**
  - **MOP SALES:** Summary of sales **by method of payment.**
    - **CASH:** Cash summary of sales by MOP.
    - **EXACT CHANGE:** Exact change summary of sales by MOP.

- **SPECIAL DISC:** Special discount summary of sales by MOP.
- **TOTAL MOP SALES:** Total amount of sales by MOP.

## Cashier Report

The Cashier Report calculates the sales totals for that cashier on the terminal where the cashier performed the sales.

| CASHIER REPORT                     |   |       |
|------------------------------------|---|-------|
| REG #101 CASHIER #01 CORPORATE     |   |       |
| RCPTS: 1010040-1010040 TOT=1 ACT=1 |   |       |
| OPEN CASHIER 02/17/16 16:14        |   |       |
| CLOSE CASHIER 02/17/16 16:15       |   |       |
| ----- SUMMARY -----                |   |       |
| BEGINNING CASH                     |   | 25.00 |
| MOP SALES                          |   | 3.00  |
| NET SALES TOTAL                    |   | 28.00 |
| TOTAL TO ACCOUNT FOR               |   | 28.00 |
| ----- CASHIER DETAILS -----        |   |       |
| MOP SALES                          |   |       |
| CASH                               |   |       |
| DOLLAR                             | 1 | 2.70  |
| SPECIAL DISC                       | 1 | 0.30  |
| TOTAL MOP SALES                    |   | 3.00  |
| ----- MEMO ITEMS -----             |   |       |
| #ITEMS                             | 2 |       |
| #CUSTOMERS                         | 1 |       |
| ----- TOTALS -----                 |   |       |
| TOTAL MERCH SALES                  |   | 3.00  |

### Report Details:

- **TITLE:** CASHIER REPORT
- **REG#:** Register for which the Cashier Report was generated.
- **CASHIER#:** ID and name of the employee who used the register.
- **RCPTS:** Beginning and ending receipt numbers issued during the cashier period.
- **TOT:** Total number of receipts printed on this terminal.
- **ACT:** Total number of receipts used by this cashier.
- **OPEN CASHIER:** Date and time this cashier started using the register.
- **CLOSE CASHIER:** Date and time this register was closed.
- **SUMMARY**
  - **BEGINNING CASH:** Amount with which cashier started the drawer.
  - **MOP SALES:** Total amount from the MOP SALES section.
  - **NET SALES TOTAL:** Total amount in sales transacted for the drawer.

- **TOTAL TO ACCCOUNT FOR:** Total amount that should be in the closed drawer.
- **CASHIER DETAILS**
  - **MOP SALES:** Summary of sales by method of payment.
    - **CASH:** Cash summary of sales by MOP.
    - **SPECIAL DISC:** Special discount summary of sales by MOP.
    - **TOTAL MOP SALES:** Total amount of sales by MOP.
- **MEMO ITEMS**
  - **#ITEMS:** Quantity of items sold.
  - **#CUSTOMERS:** Individual transactions.
- **TOTALS**
  - **TOTAL MERCH SALES:** Total amount of merchandise sales.