

**Oracle® Hospitality Cruise Shipboard Property  
Management System**

OHC Currency Exchange User Guide

Release 7.30.870

**E83356-01**

January 2017

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# Preface

Currency Exchange module is used to convert major currencies accepted by the cruise operator throughout its cruise voyage.

## Audience

This document is intended for application specialist and users of Oracle Hospitality Cruise Shipboard Property Management System.

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL: <https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screen shots of each step you take

## Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at <http://docs.oracle.com>

## Revision History

Date	Description of Change
September, 2016	<ul style="list-style-type: none"><li>▪ Initial publication.</li></ul>
December, 2016	<ul style="list-style-type: none"><li>▪ Update Safe Rate description</li></ul>

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# Prerequisite, Supported Systems and Compatibility

This section describes the minimum requirement for FC Currency Exchange module.

## Prerequisite

- FC Currency Exchange.exe
- FC Administration.exe

## Supported Systems

- Operating System
  - Microsoft Windows 7 - 32-bit / 64 - bit System
  - Microsoft Windows 8 - 32 bit / 64 - bit System
  - Microsoft Windows 10 - 32 bit / 64 - bit System

## Compatibility

- Oracle Hospitality Cruise Shipboard Property Management System version 7.30.870 or later. For customer operating on version below 7.30.870, database upgrade to the recommended or latest version is required.



# 1. Currency Exchange Setup

The Currency Exchange Setup describes the setup rules for FC Currency Exchange and its functionality, and usage in converting major currencies that are accepted by the cruise operator during its voyage.

## 1.1. Setting up Currency Code and Exchange Rate

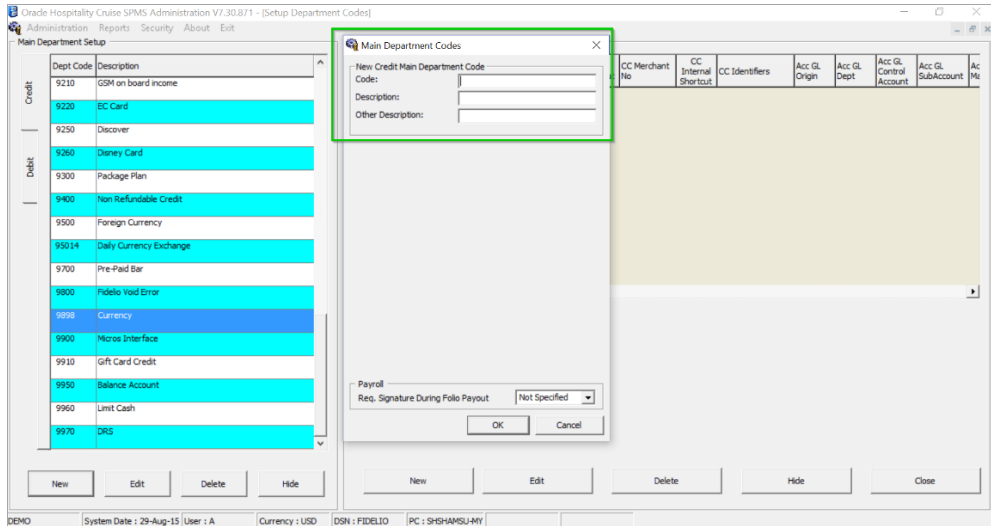


Figure 1-1 - Main Department Codes Setup

1. Login to **FC Administration**, click **Financial Setup** and click **Department Codes**.
2. Select **New** in the Main Department Codes.
3. Insert the Code number at **Code** field.
4. In **Description**, key in the description accordingly.

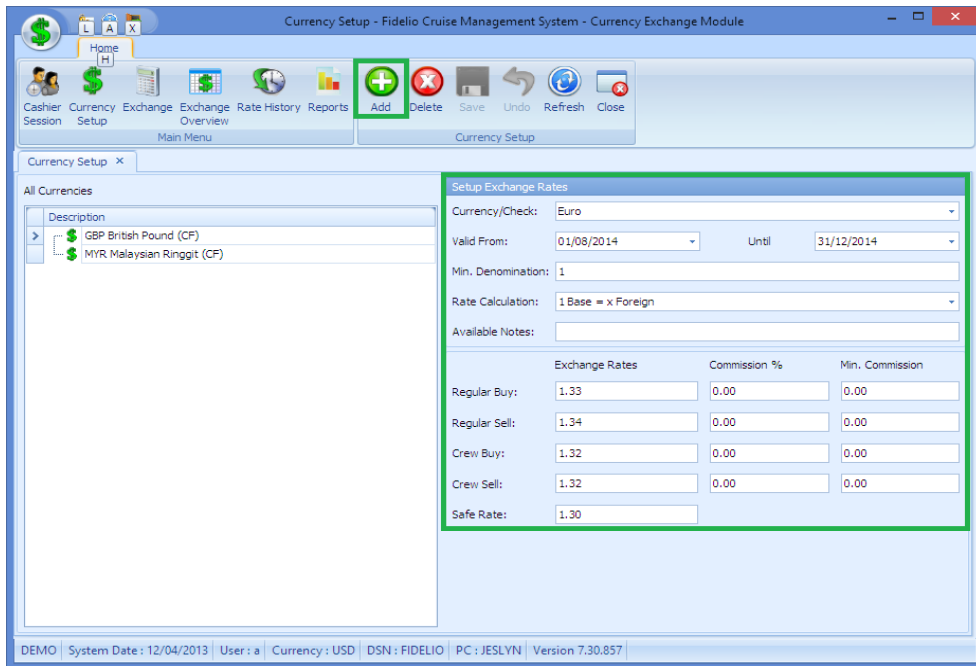


Figure 1-2 - Currency Setup (Add New)

1. Login to **FC Currency Module**, click **Currency Setup** and then click **Add** to setup a new Currency.
2. At the **Currency/Check**, select the currency type from the drop-down list.

- 
3. In **Valid From**, choose the Validity Period you want these exchange rates to take effect. Check **Disable From** to choose the end date for the validity period.
  4. In **Min. Denomination** the minimum currency value for coins or banknotes is 1.
  5. **Rate Calculation** is divided into two categories:
    - 1 Base = x Foreign (Default)
    - 1 Foreign = x Base
  6. For Exchange Rate it is definable by its Operation Types:
    - **Regular Buy**: Rate used by ship to buy foreign currency from their guest.
    - **Regular Sell**: Rate used by ship to sell foreign currency (other than the base currency) to their guest.
    - **Crew Buy**: Rate used by ship to buy foreign currency from its crew member.
    - **Crew Sell**: Rate used by ship to sell foreign currency to its crew member.
    - **Safe Rate**: Rate used by Vendor setup
  7. **Commission** is charged based on the calculated percentage (%).
  8. **Min. Commission** applies when the calculated commission by percentage is less than the value specified in the commission amount.

### 1.1.1. Edit Currency Exchange Rate

1. Choose the currency type from the drop-down list on the left panel.
2. Enter all required fields. If you want to Undo, click **Undo** and proceed to click **Save** to update the form.

### 1.1.2. Remove Currency Exchange Rate

1. Choose the currency type from the drop-down list on the left panel.
2. Click **Delete** to remove the rate.

## 1.2. Setup Commission Charge

Commission Charge is calculated either by percentage value of the transaction or a minimum value defined in the exchange rate setup. This is configurable in Currency Setup.

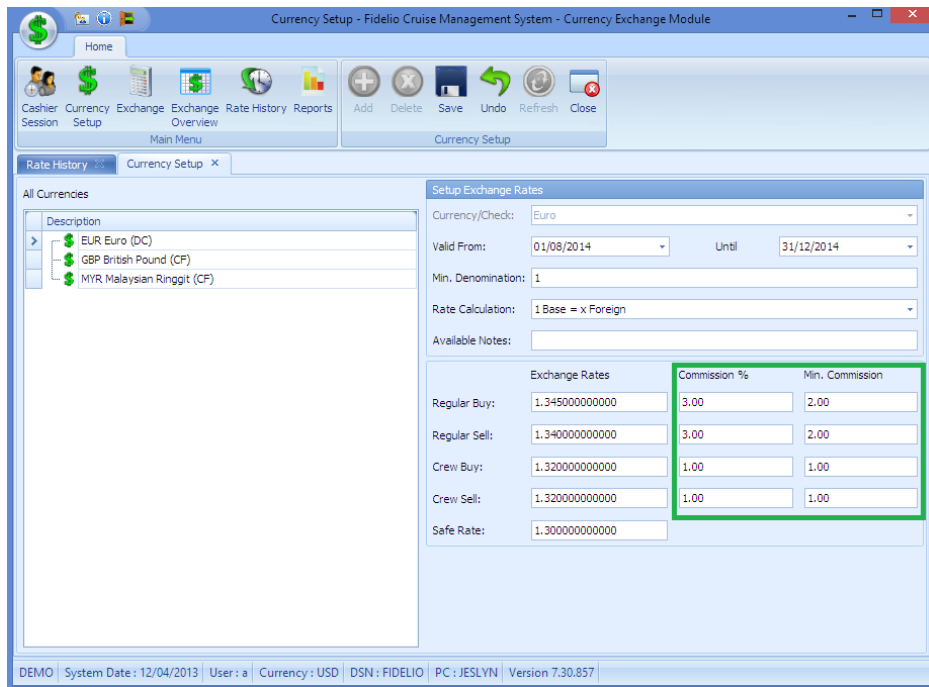


Figure 1-3 - Setup Commission Charge

To setup a commission:

1. Enter the value in either commission % field or both. If both the **Commission %** and **Min. Commission** has a value, system will post the higher calculated value during the transaction.
2. If the Ship would like to track all commissions received through Currency Exchange, a System Account is required.

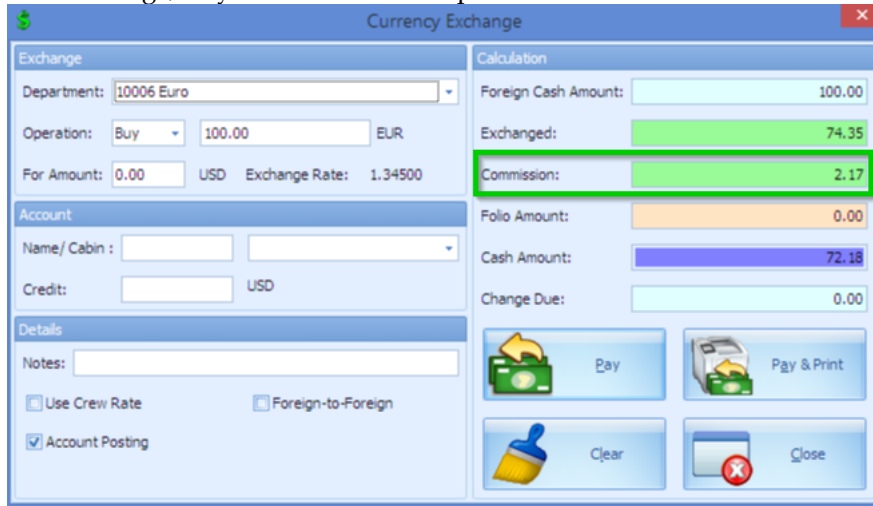


Figure 1-4 - Commission Exchange (Buy)

Example: Guest exchanged €100 to USD and the applicable commission is 3%. The calculation formula is  $(€100/1.345) = \text{USD } 74.35$ . Hence the applied commission is  $\text{USD } 2.17$  ( $((€100/1.345)/3\%)$ ).

Figure 1-5 - Commission Exchange (Sell)

Example: Guest exchanged €10 and minimum commission is \$2.00. The calculation formula is  $(€10/1.345) - USD7.43 \times 3\% = \$0.0223$ . Since the calculated value is below the amount specified, system will post \$2.00 as the applicable commission. Hence guest only gets USD 5.43 in total.

Table 1-1 – Commissions Calculated in Parameter Setting (PAR)

Parameter Group	Parameter Name	Setting
Exchange	Curr. Exch. Commission Type	1-Calculate Commission On Buy 2-Calculate Commission On Sell
Exchange	2Way Commission Type (for Foreign to Foreign Exchange)	1-Calculate Commission On Buy 2-Calculate Commission On Sell

### 1.3. Setting up System Account

System Account is required to track all commission posted during the exchange. Without the System Account, OHC SPMS software will only store commissions posted in the currency transaction table.

To setup a system account:

1. Go to **FC Administration** module, **Financial Department Setup**.
2. Click **New** to create a credit department.
3. Select the Payment Type as **CB Cash Payment** and enter a value in **Department Code** and **Department Description**.
4. In Payment Type in POS Subsystem section, assign the System Account code in the **System Account No** field to link the account. Account number *must* not be identical to **Department Code**.

Figure 1-6 - Payments Setup

5. Click **New** in Debit tab to create a debit department
6. Select the Type of Posting as **D Posting Department** and enter a value in Department Code and Department Description.

Figure 1-7 - Debit Department Code Setup

7. Once both credit and debit code has been setup, update these into the System Parameter in **System Setup, Database Parameters**.

Table 1-2 – Credit Charge and Debit Department Code in Parameter Setting

Parameter Group	Parameter Name	Description
Exchange	Curr. Exch. Commission Credit Dept	Credit Charge Department Code
Exchange	Curr. Exch. Commission Dept	Debit Department Code

8. Create a System Account in FC Management, Cashier, System Accounts for commission postings to be captured by clicking on **Insert New**.
  - Key in **Account No**
  - Enter the **Name**
  - Choose the type of Payment from the drop-down list.
  - Choose **Access Priv** from the drop-down list.
  - Check **Posting Allowed**

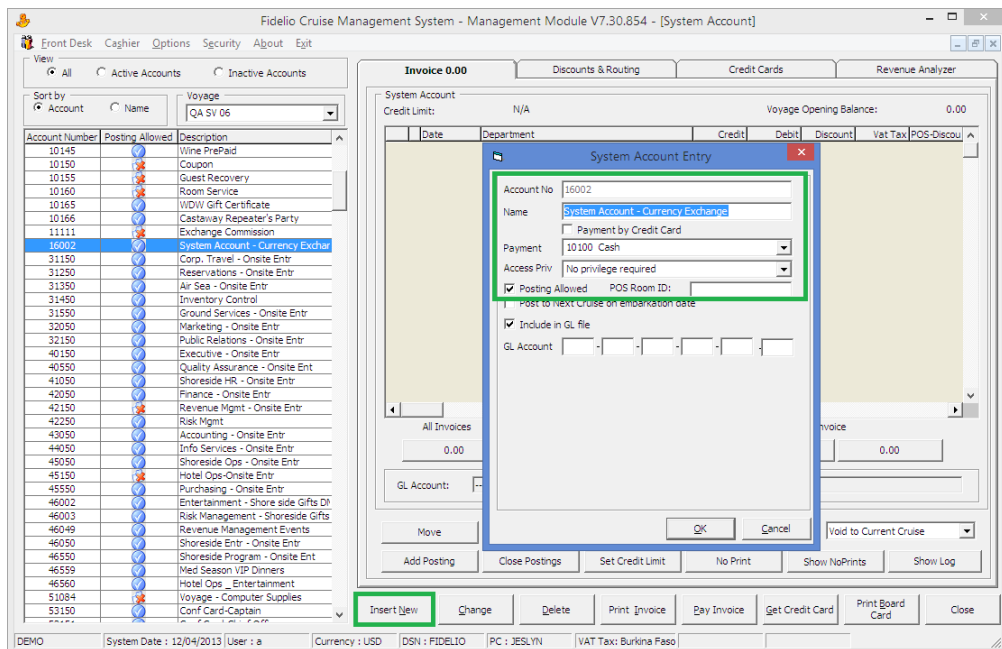


Figure 1-8 - System Account Entry

9. To test the setup, perform a currency exchange transaction. To verify that the commission is posted, login to FC Management, Cashier, System Accounts and select the designated account for commission postings.
  - The debit posting refers to the department code defined in **Parameter, Exchange, Curr. Exch. Commission Dept**.
  - The credit posting refers to the department code defined in **Parameter, Exchange, Curr. Exch. Commission Credit Dept**.

Invoice 0.00		Discounts & Routing	Credit Cards	Revenue Analyzer			
System Account		Voyage Opening Balance: 0.00					
Credit Limit: N/A							
Date	Department	Credit	Debit	Discount	Vat Tax	POS-Discou	^
12/04/2013	16000 Currency Exchange	3.00		0.00	0.00	0.00	
12/04/2013	940 Currency Exchange		3.00	0.00	0.00	0.00	
12/04/2013	16000 Currency Exchange	2.00		0.00	0.00	0.00	
12/04/2013	940 Currency Exchange		2.00	0.00	0.00	0.00	
12/04/2013	16000 Currency Exchange	2.17		0.00	0.00	0.00	
12/04/2013	940 Currency Exchange		2.17	0.00	0.00	0.00	

Figure 1-9 - Debit and Credit Posting In Invoice

**Note:** This account always balances itself with a debit and credit entry.

## 2. Performing Currency Exchange Transaction

The base currency on-board is pre-determined by the Cruise Operator and this may vary depending on the country the ship sails to.

### 2.1. PAR\_GROUP Currency

Table 2-1 - PAR Group Exchange

PAR Name	PAR Value	Description
Enable Account Postings	1	1 – Tick by Default if PAR – Enable Account Posting = 1 0 – Untick by Default if PAR – Enable Account Posting = 0
Account Info Name Cabin Mandatory	1	1 = PAR Account Info Name Cabin Mandatory Option - Only allowed for account posting & cash posting with account linked. - Must have account selected only the Pay / Pay&Print buttons will be enabled.

### 2.2. Buy Currency Exchange

Buy Currency is a process of buying foreign currency against the base currency set by the cruise operator. e.g.: Cruise Operator base currency is US Dollars (USD) and guest would like to purchase US Dollar (USD) with Euro (€).

Figure 2-1 - Buy Currency Exchange

1. Click **Exchange** at the ribbon bar and at **Department** field, choose the currency from the drop-down list.
2. In **Operation** field choose **Buy** and key in the amount accordingly.



3. Once the basic information is entered, system will auto populate the exchange rate of the selected currency against the base currency, with the conversion value reflected on the **Calculation** pane on the right of the screen.
  - **Foreign Cash Amount** is the amount to be converted in foreign currency.
  - **Exchanged** is the converted amount in base currency.
  - **Commission** is the commission applied to the converted value.
  - **Folio Amount** is the amount charged to the folio.
  - **Change Due** is the change due to guest in base currency.
4. Click **Pay** to complete the process.
5. Click **Pay & Print** to complete the process and print a receipt.
6. Click **Clear** to cancel and clear the exchange form.
7. Click **Close** to exit.

### 2.2.1. Performing Buy Currency Using 'For Amount' Function

The screenshot displays the 'Currency Exchange' window. The 'Exchange' section includes a dropdown for 'Department' set to '10001 British Pound', an 'Operation' dropdown set to 'Buy', and input fields for 'For Amount' (100.00) and 'USD' with an 'Exchange Rate' of 1.50000. The 'Account' section has 'Name/ Cabin' and 'Credit' (100.00) fields. The 'Details' section has a 'Notes' field and checkboxes for 'Use Crew Rate', 'Foreign-to-Foreign', and 'Account Posting'. The 'Calculation' pane on the right shows: Foreign Cash Amount: 150.00, Exchanged: 100.00, Commission: 0.00, Folio Amount: 100.00, Cash Amount: 0.00, and Change Due: 0.00. Action buttons include 'Pay', 'Pay & Print', 'Clear', and 'Close'. The status bar at the bottom shows 'DEMO | System Date: 12/04/2013 | User: a | Currency: USD | DSN: FIDELIO | PC: JESLYN | Version 7.30.857'.

Figure 2-2 - Buy Currency Exchange (For Amount)

1. Repeat step 1 of the above.
2. In the Currency Exchange form, enter the amount to exchange, equivalent to the base currency, e.g.: USD 100. Value will auto-populate into the **Exchanged** field.
3. The amount to be collected from guest for amount of USD 100 in foreign currency is shown in the **Foreign Cash Amount** field.

## 2.3. Sell Currency Exchange

Sell Currency is a process of selling the foreign currency against its base currency set by the cruise operator. e.g.: Cruise Operator base currency is US Dollars (USD) and guest would like to sell US Dollar (USD) with Euro (€).

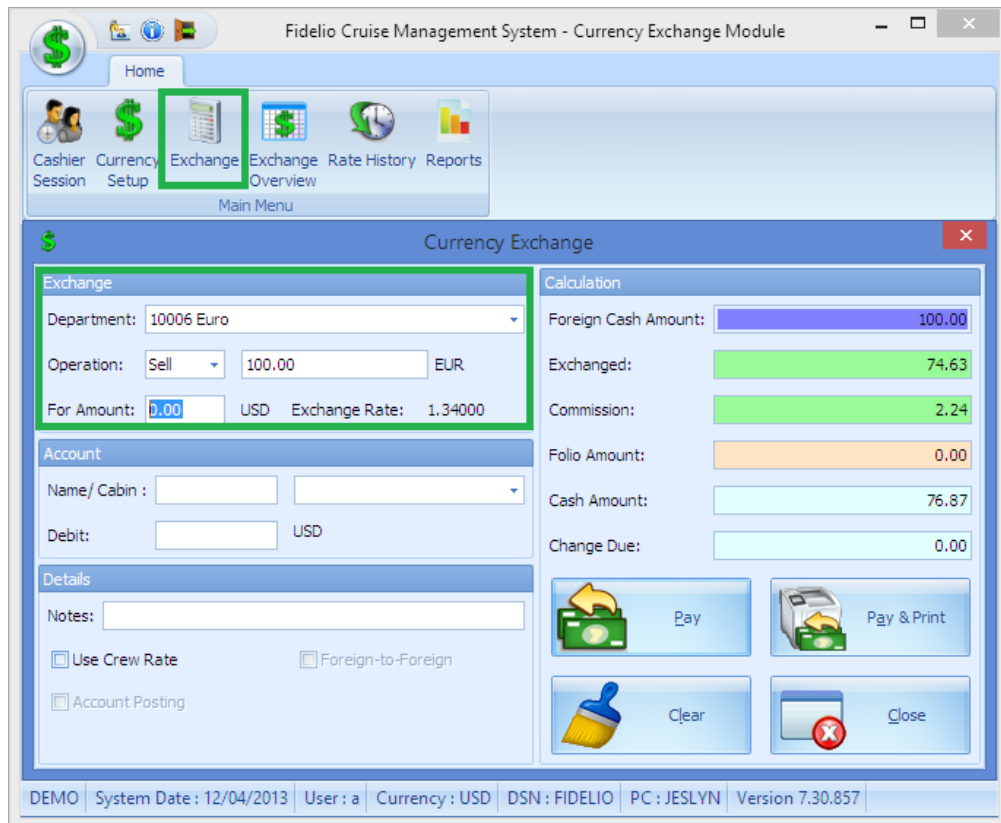


Figure 2-3 - Sell Currency Exchange

1. Click **Exchange** at the ribbon bar, and at **Department** field, select the currency type from the drop-down list.
2. In **Operation** field, choose **Sell** and insert the amount accordingly.
3. Once the basic information is entered, system will auto populate the exchange rate of the selected currency against the base currency, with the conversion value reflected on the **Calculation** pane on the right of the screen.
  - **Foreign Cash Amount** is the amount to be converted in foreign currency.
  - **Exchanged** is the converted amount in base currency.
  - **Commission** is the commission applied to the converted value.
  - **Folio Amount** is the amount charged to the folio.
  - **Change Due** is the change due to guest in base currency.
4. Click **Pay** to complete the process.
5. Click **Pay & Print** to complete the process and print a receipt.
6. Click **Clear** to cancel and clear the exchange form.
7. Click **Close** to exit.

### 2.3.1. Performing a Sell Currency Using 'For Amount' Function

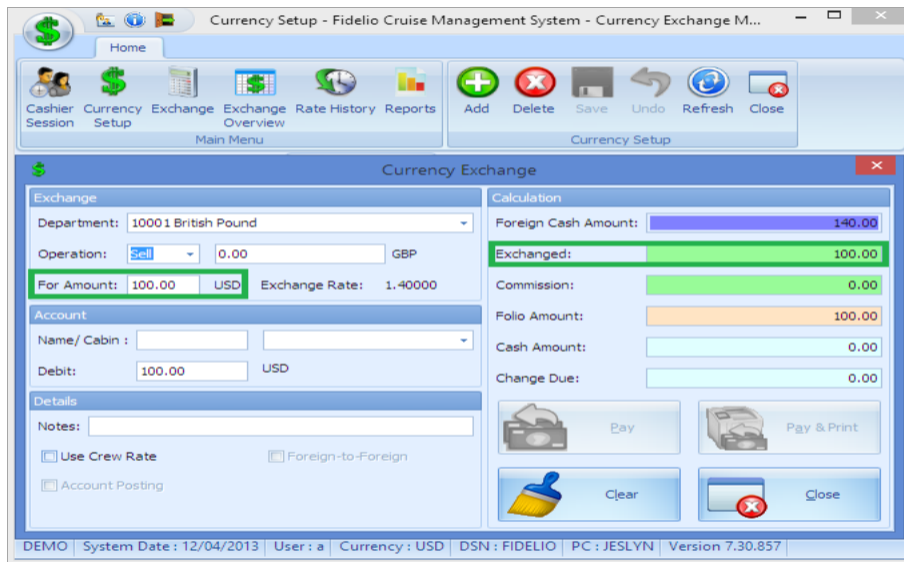


Figure 2-4 - Sell Currency Exchange (For Amount)

1. Repeat step 1 of the above.
2. In the **For Amount** field, enter the amount to exchange, equivalent to the base currency, e.g.: USD 100. Value will auto-populate into the **Exchanged** field.
3. The amount to be collected from guest for amount of USD 100 in foreign currency is shown in the **Foreign Cash Amount** field.

## 2.4. Exchange Charge to Account

Currency Exchange allows an exchange to be posted to guest account when the following is set up in the Database parameter.

To setup Exchange Charge to Account in system account:

1. Go to **FC Administration** module, **System Setup, Database Parameter**.
2. Under the Exchange group, click **Curr. Exch. Charge Department** and set the **Parameter Details to Enabled = 1**.

To post this transaction to an account, follow the Buy/Sell process, then enter the cabin number or guest name in the Account Section. If the Financial Charge Department is not setup, system will prompt an error when trying to post to the account.

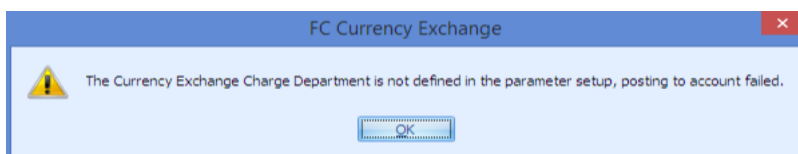


Figure 2-5 - Exchange Charge to Account

**Note:** If the Financial Charge Department is not set up, system will prompt an error when trying to post to the account.

### 2.4.1. Buy Currency

If the buy process is charged to an account, Folio Amount on the Calculation section is filled when the calculated amount is inserted into the Credit field.

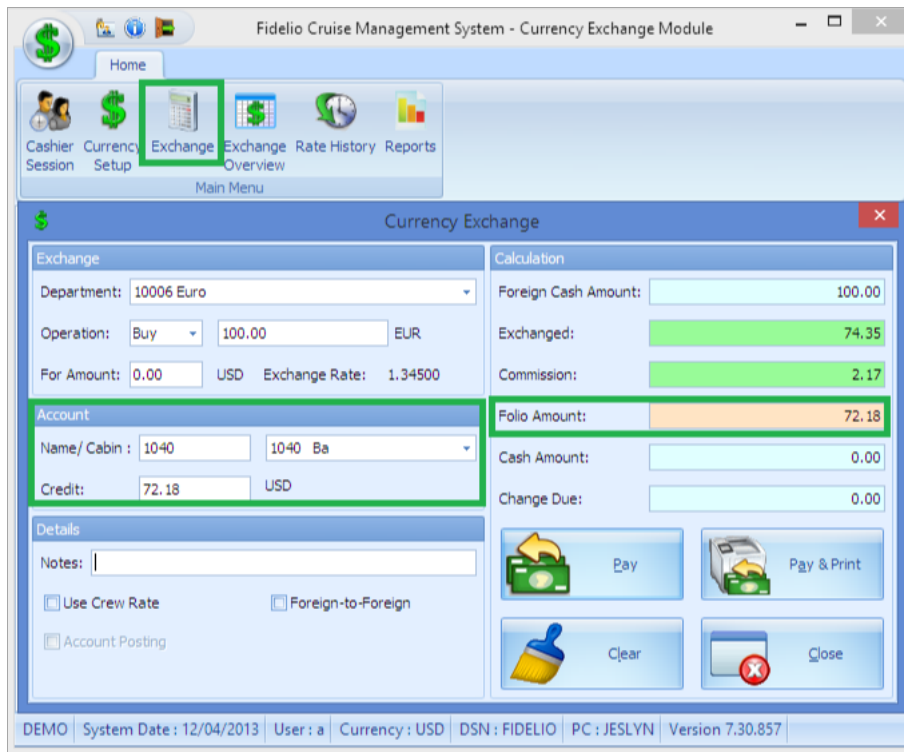


Figure 2-6 - Exchange Charge to Account (Buy Transaction)

The posting in guest account is shown as a negative posting (Credit) for a **Buy** transaction.

	Date	Department	Credit	Debit	Discount	Vat Tax	POS-Discou	Buyer	Trans.ID	User	Gross	Check#	Manual Post
P	12/04/2013	1940 Currency Exchan		-72.18	0.00	0.00	0.00	Ba	20076169	a	-72.18		Yes
P	12/04/2013	10100 Cash	-72.18		0.00	0.00	0.00	Ba	20076169	a	-72.18		Yes

Figure 2-7 - Exchange Charge to Account (Negative Posting for a Buy Transaction)

## 2.4.2. Sell Currency Exchange

The Sell Currency process is the same as Buy Currency transaction. However, the amount posted in the guest account will be of a Debit Amount.

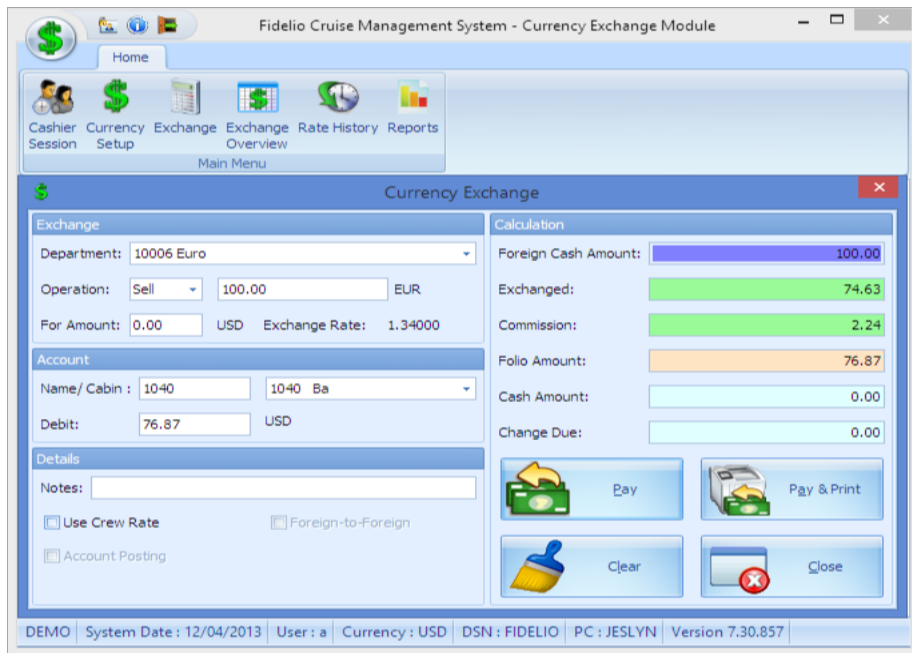


Figure 2-8 - Exchange Charge to Account (Sell Transaction)

In the Sell transaction, the posting in guest account is shown as Debit.

	Date	Department	Credit	Debit	Discount	Vat Tax	POS-Disco	Buyer	Trans.ID	User	Gross	Check#	Manual Post
	12/04/2013	940 Currency Exchan		4.69	0.00	0.00	0.00	Ba	20076170	a	4.69		Yes
	12/04/2013	1940 Currency Exchan		72.18	0.00	0.00	0.00	Ba	20076170	a	72.18		Yes

Figure 2-9 - Exchange Charge to Account (Negative Posting for a Sell Transaction)

---

**Note:** Guest have an option to partially settle the transaction by cash or charge the full sum to their account.

---

## 2.5. Foreign to Foreign Exchange

This function enables trading of foreign currencies other than against its base currency by combining a both Buy and Sell process within one function. The Foreign to Foreign exchange is a two-step process, where currency conversion is processed with Buy Currency followed by Sell Currency.

1. Click **Exchange** at the ribbon bar and at **Department** field, select the currency type from the drop-down list.
2. In **Operation** field, select **Buy** and insert the amount accordingly.
3. Under Details section, check **Foreign-to-Foreign**.
4. Click **Pay** and system will automatically open another Form with a **Sell** operation.
5. Click **Pay** to complete the exchange.

**Currency Exchange**

Exchange	Calculation
Department: 10001 British Pound	Foreign Cash Amount: 100.00
Operation: Buy 100.00 GBP	Exchanged: 66.67
For Amount: 0.00 USD Exchange Rate: 1.50000	Commission: 1.31
	Folio Amount: 0.00
	Cash Amount: 65.36
	Change Due: 0.00

Account: Name/ Cabin : , Credit: USD

Details: Notes: ,  Foreign-to-Foreign

Buttons: Pay, Pay & Print, Clear, Close

Figure 2-10 - Foreign to Foreign (Buy)

**Currency Exchange**

Exchange	Calculation
Department: 10007 Australian Dollar	Foreign Cash Amount: 80.00
Operation: Sell 0.00 AUD	Exchanged: 64.00
For Amount: 65.36 USD Exchange Rate: 1.25000	Commission: 1.31
	Folio Amount: 0.00
	Cash Amount: 65.36
	Change Due: 0.05

Account: Name/ Cabin : , Debit: USD

Details: Notes: ,  Foreign-to-Foreign

Buttons: Pay, Pay & Print, Clear, Close

Figure 2-11 - Foreign to Foreign (Sell)

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**Note:** Commission is calculated based on Parameter setting.

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## 3. Shift Balancing

Maintaining a balanced accounts and floats on each shift is essential, and this function describes the steps in recording all transactions posted by each shift cashiers. This requires a parameter to be enabled in FC Administration System Setup.

### 3.1. Enabling Shift Balancing function.

1. Login to **FC Administration System Setup, Database Parameter, Cashier** and set **User Full Cashier** to **1**.
2. With the below setting, user will be prompted to open a cashier session prior to performing a posting / transaction by enabling the setting as below:

Table 3-2 – Cahier Sign In Setting

Parameter Group	Parameter Name	Setting
Cashier	User Full Cashier	1

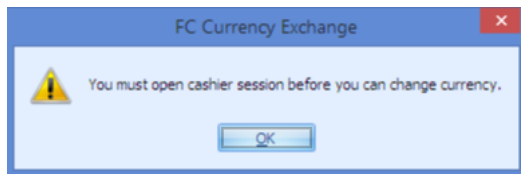


Figure 3-1 - User Need To Open Cashier Session

### 3.2. Open Cashier Session

At the beginning of each shift, designated cashier is required to open their cashier session by entering the available float amount.

#### 3.2.1. Open Cashier Session

There are two options in Opening Cashier Session below:

- **Open Session (Empty)**  
This function opens a cashier session for the selected unit.
- **Open Session (Linked)**  
This function opens a cashier session and linked the previous closing balances to the Opening Amount, facilitating cashers who work split shifts.

#### 3.2.2. Open Session (Empty)

1. At the ribbon bar, select **Cashier's Session**.
2. Expand the **Cashier** container by clicking the '+'
3. Select the user name, and click **Open Session (Empty)** at the ribbon bar.

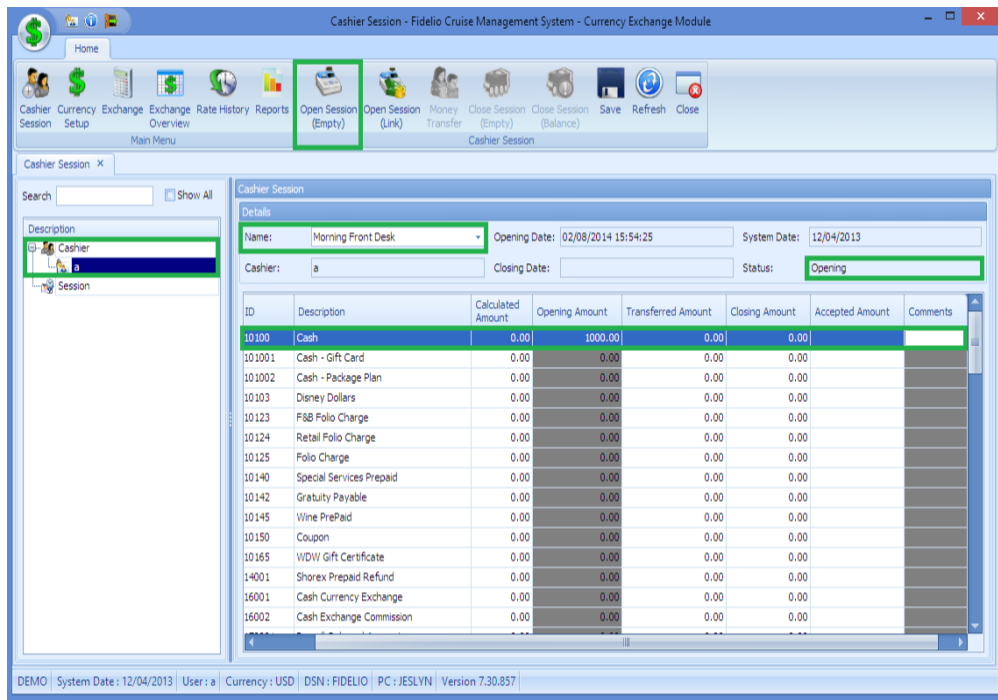


Figure 3-2 - Exchange Transactions with Cashier Session (Open Session)

4. Select shift period from the drop-down list. These are set up in **FC Administration, System Code, Session Codes**.
5. Insert the opening amount in the department code and then click **Apply** to save.

### 3.2.3. Open Session (Linked)

1. Repeat above step 1 and 2.
2. Select the user name, click **Open Session (Linked)** at the ribbon bar.
3. Select shift period from the drop-down list. These are set in **FC Administration, System Code, Session Codes**.
4. Insert the opening amount in the department code and then click **Apply** to save.

## 3.3. Exchange Transactions with Cashier Session

All currency exchange transactions performed during the shift are stored in the cashier session.

Table 3-2 – Show On-Board Currency Setting

Parameter Group	Parameter Name	Description
Cashier	Show on-board currency	1

When performing an exchange by cash, system capture the cash transaction as on-board currency by default, and to show the currency by specified department, a parameter is required to record in **Calculated Amount** column in cashier Session. For example: Guest exchanges €100 to Ship Currency at an exchange rate at 1.50 and commission at 2%, and the opening balance is set at 200 respectively. In this instance a **Buy** process is used and the pay out to guest is \$65.36 ( $\text{£}100 / 1.5 \text{ minus } 2\%$  commission charge - \$65.36).

Hence the amount reflects in the cashier closing **Calculated Amount** are:



Cash Currency Exchange : \$134.64 (Opening balance \$200 minus pay out \$65.36)  
 British Pound : £300.00 (Opening balance £200 plus amount exchange of £100)

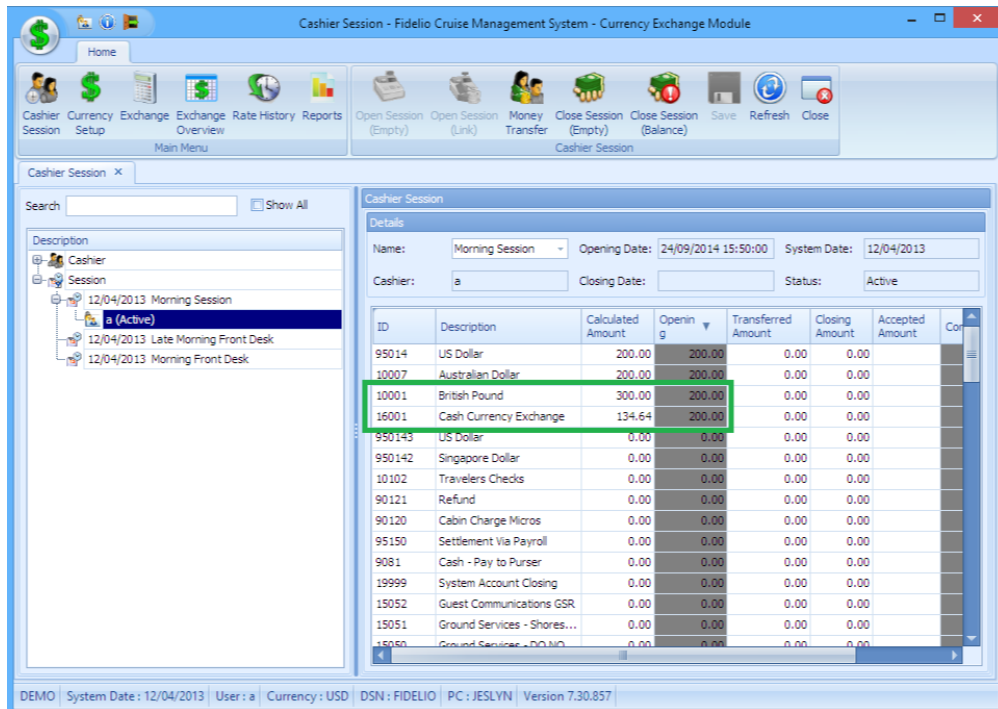


Figure 3-3 - Exchange Transactions with Cashier Session (Balance)

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**Note:** Commission charged is not included in Cashier Session.

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### 3.4. Close Cashier Session

At the end of each shift, cashiers are required to balance their shift postings and report the collection for the day by closing their active cashier session.

#### 3.4.1. Close Session (Balance)

1. Go to **FC Management** module, **Cashier**, **Cashier Sessions**.
2. Expand the **Session** container by clicking the '+'.
3. Select the active user session and the click **Close Session (Balance)** at the ribbon bar. Closing Amount is calculated automatically.

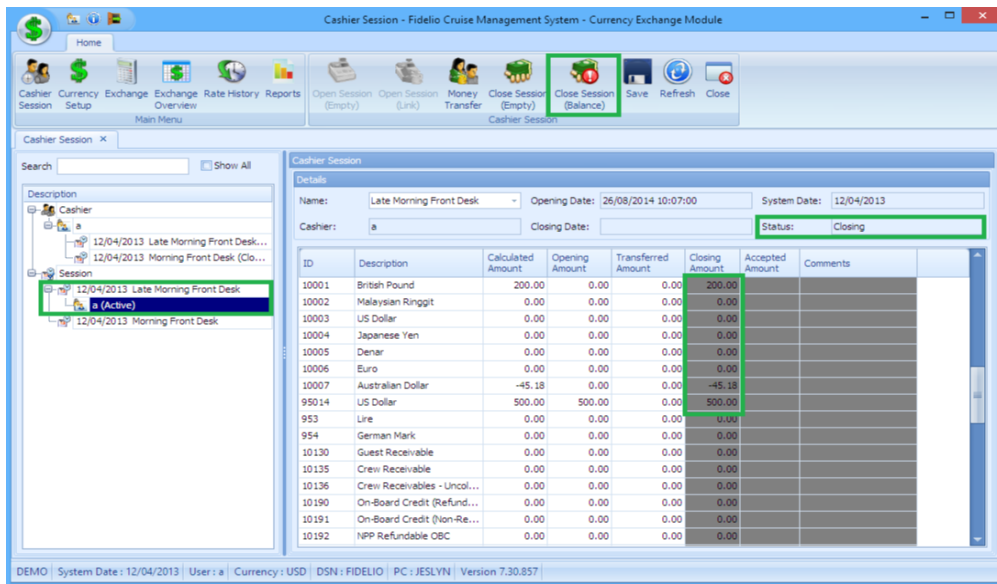


Figure 3-4 - Exchange Transactions with Cashier Session (Active Status)

4. Click **Save** to confirm the calculated closing value and proceed with closing.

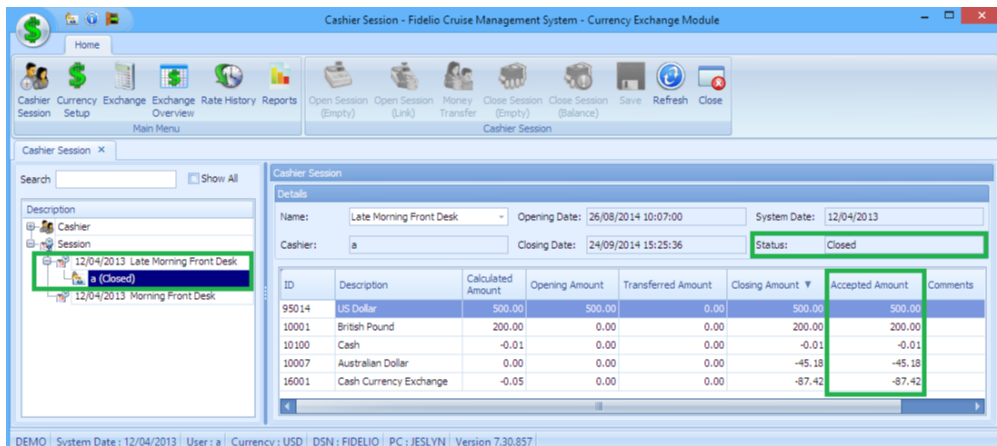


Figure 3-5 - Closed with Accepted Amount

### 3.4.2. Close Session (Empty)

1. Repeat above step 1 and 2.
2. Select the active user session and then click **Close Session (Empty)** at the ribbon bar. Closing Amount is calculated automatically.
3. Select the shift period from the drop-down list.
4. Enter the counted amount in **Closing Amount** column and click **Save**.

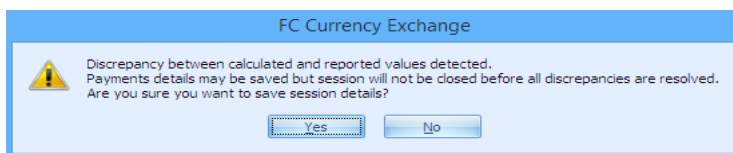


Figure 3-6 - Closing Amount with Discrepancy

5. System will prompt if there is any discrepancy.
6. Selecting **Yes** sets the session status to **Discrepancy**, allowing user to research the imbalance and close the session.

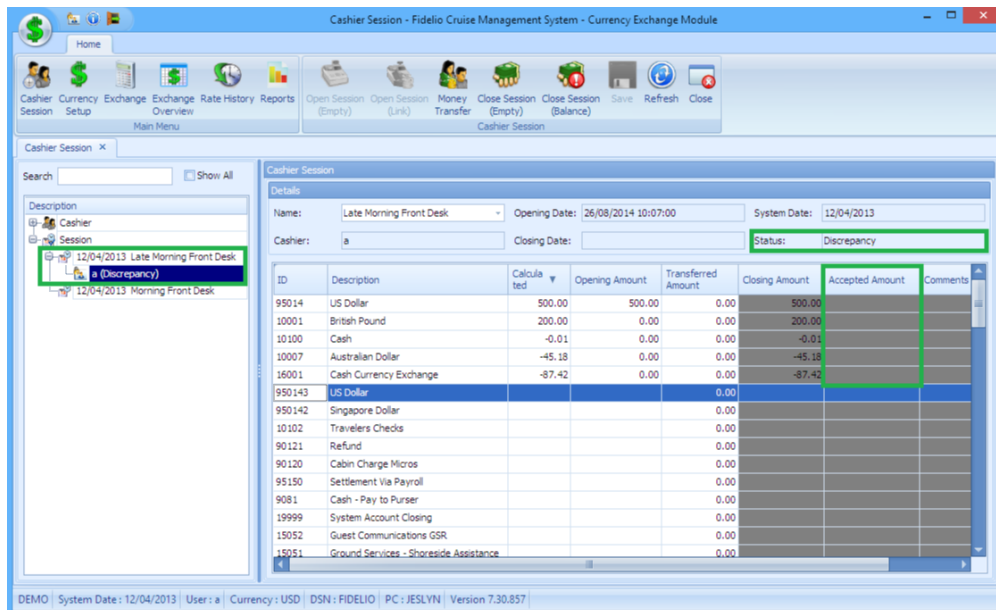


Figure 3-7 - Discrepancy Status with Accepted Amount

7. Once the imbalance is found, user must close their session by:
  - Selecting the session as **Close Session (Balance)**.
  - Enter the correct amount in **Accepted Amount**.
  - Click **Save** to accept the balance.
  - Print Closing report as a final stage of closing.

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## 4. Exchange Overview Function

Exchange Rate History Overview provides user a historical view of transacted currency, voided transactions and report generation.

### 4.1. Voiding Transactions

Void is used to revert a posted transaction.

1. Select the line item from the Exchange Overview screen, click **Void** at the ribbon bar.
2. System will prompt for a void reason input. Select the reason from the drop-down list.
3. Click **OK** to confirm.

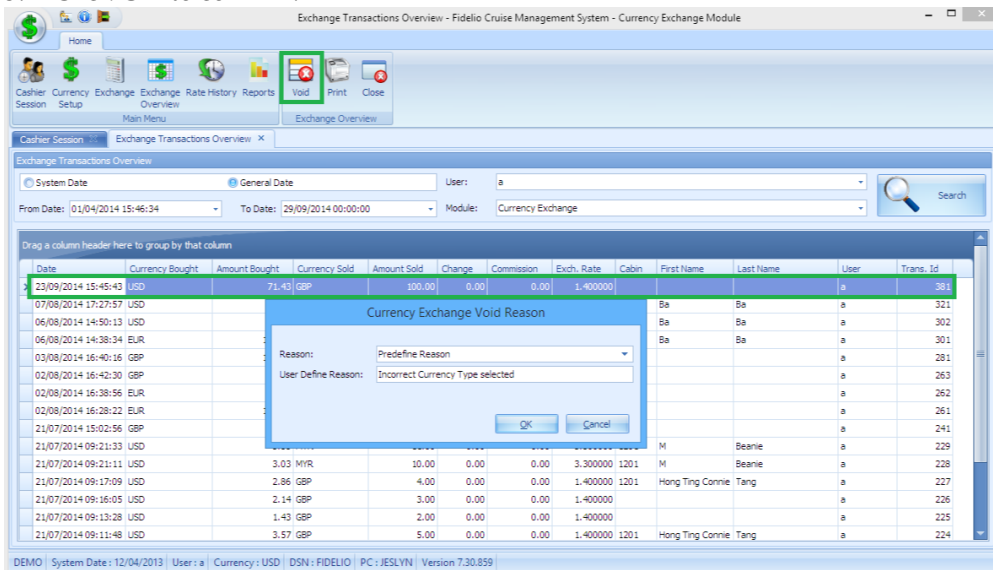


Figure 4-1 - Currency Exchange Overview Void Reason

A negative transaction is added and the same transaction will be reverted from the guest account if it is posted to the on-board account.

### 4.2. Transaction Search

The historical data can be extracted either by:

- **System Date** – Fidelio System Date
- **General Date** – Current PC Date
- **User** – Selected user who posted
- **From Date** – Date Period Selection
- **Module** – Module transaction posted

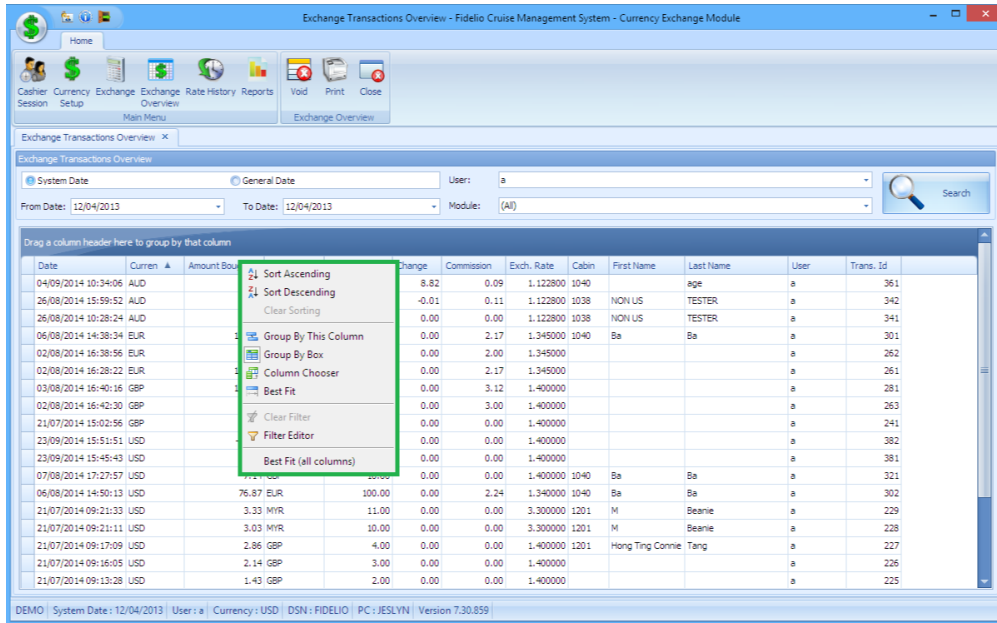


Figure 4-2 - Currency Exchange Overview Options

Search results may be sorted by clicking the column header or using these options:

- **Sort Ascending** – Sorting is based on start of the alphabetical order / number sequence.
- **Sort Descending** – Sorting is based on end of the alphabetical order / number sequence.
- **Group By This** – Select column to group display and if more than one column is selected, it will further group the next column header and display in a tree view.
- **Group By Box** – Hides the tree view panes above the column header.
- **Column Chooser** – Permit user to choose additional columns such as Posting ID and Origin.
- **Best Fit** – To choose accordingly as what is most suitable.
- **Filter Editor** – Customized selection by field name, date selection, user ID by using controls such as **Equals to**, **Is Greater Than**, etc. Multiple selection is possible with Filter Editor.

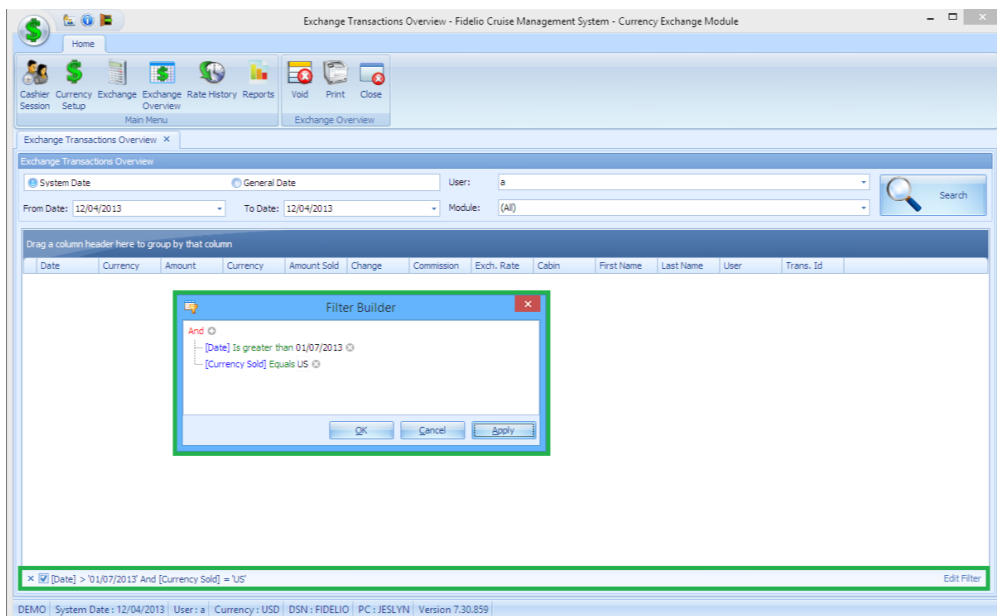


Figure 4-3 - Currency Exchange Filter Builder

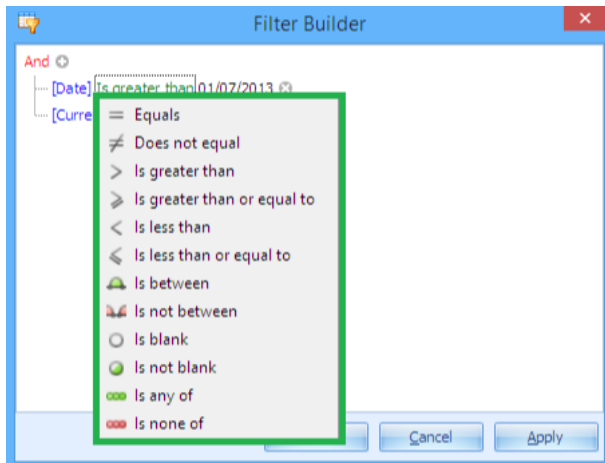


Figure 4-4 - Currency Exchange Filter Builder (Available Criteria)

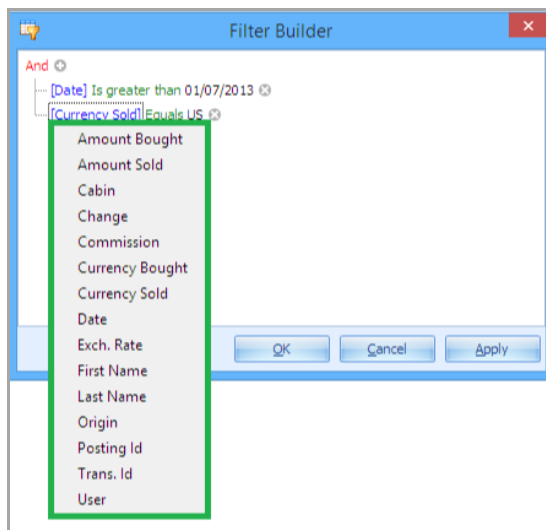
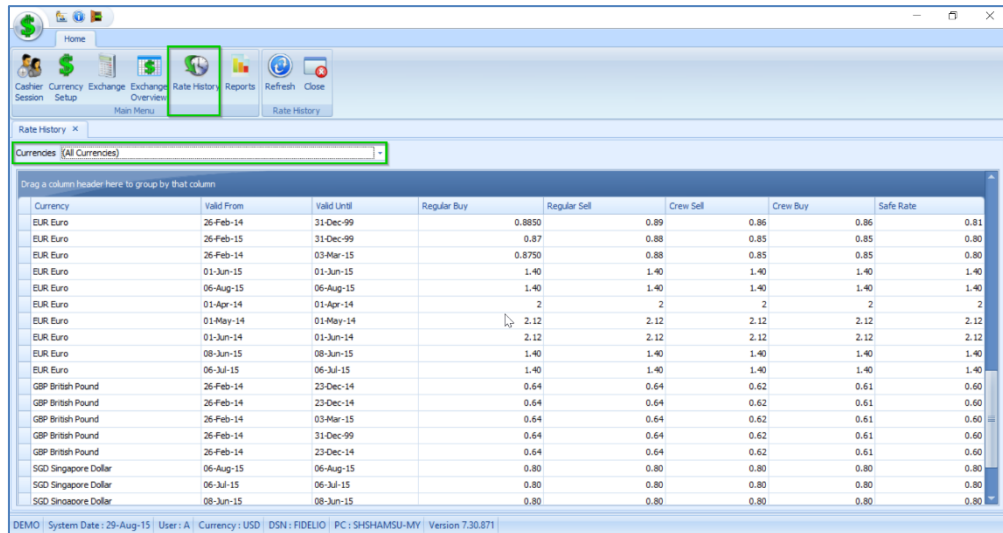


Figure 4-5 - Currency Exchange Filter Builder (Field Chooser)

## 5. Rate History

Rate History stores past records of the exchange rate used and is in accordance to the selection prompt when user update of the rate. To view currency history, choose the currency code from the drop-down list. The display can be grouped by column header or field chooser, similar to Exchange Overview function.



The screenshot shows the 'Rate History' application window. At the top, there is a navigation bar with buttons for 'Cashier', 'Currency Setup', 'Exchange Overview', 'Rate History', 'Reports', 'Refresh', and 'Close'. Below this is a 'Rate History' tab and a dropdown menu for 'Currencies (All Currencies)'. The main area contains a table with the following columns: 'Currency', 'Valid From', 'Valid Until', 'Regular Buy', 'Regular Sell', 'Crew Sell', 'Crew Buy', and 'Safe Rate'. The table lists exchange rates for EUR Euro, GBP British Pound, and SGD Singapore Dollar across various dates. A status bar at the bottom indicates 'DEMO System Date : 29-Aug-15 | User : A | Currency : USD | DSN : FIDELIO | PC : SHSHAMSU-MY | Version 7.30.871'.

Currency	Valid From	Valid Until	Regular Buy	Regular Sell	Crew Sell	Crew Buy	Safe Rate
EUR Euro	26-Feb-14	31-Dec-99	0.8850	0.89	0.86	0.86	0.81
EUR Euro	26-Feb-15	31-Dec-99	0.87	0.88	0.85	0.85	0.80
EUR Euro	26-Feb-14	03-Mar-15	0.8750	0.88	0.85	0.85	0.80
EUR Euro	01-Jun-15	01-Jun-15	1.40	1.40	1.40	1.40	1.40
EUR Euro	06-Aug-15	06-Aug-15	1.40	1.40	1.40	1.40	1.40
EUR Euro	01-Apr-14	01-Apr-14	2	2	2	2	2
EUR Euro	01-May-14	01-May-14	2.12	2.12	2.12	2.12	2.12
EUR Euro	01-Jun-14	01-Jun-14	2.12	2.12	2.12	2.12	2.12
EUR Euro	08-Jun-15	08-Jun-15	1.40	1.40	1.40	1.40	1.40
EUR Euro	06-Jul-15	06-Jul-15	1.40	1.40	1.40	1.40	1.40
GBP British Pound	26-Feb-14	23-Dec-14	0.64	0.64	0.62	0.61	0.60
GBP British Pound	26-Feb-14	23-Dec-14	0.64	0.64	0.62	0.61	0.60
GBP British Pound	26-Feb-14	03-Mar-15	0.64	0.64	0.62	0.61	0.60
GBP British Pound	26-Feb-14	31-Dec-99	0.64	0.64	0.62	0.61	0.60
GBP British Pound	26-Feb-14	23-Dec-14	0.64	0.64	0.62	0.61	0.60
SGD Singapore Dollar	06-Aug-15	06-Aug-15	0.80	0.80	0.80	0.80	0.80
SGD Singapore Dollar	06-Jul-15	06-Jul-15	0.80	0.80	0.80	0.80	0.80
SGD Singapore Dollar	08-Jun-15	08-Jun-15	0.80	0.80	0.80	0.80	0.80

Figure 5-1 - Overview of Exchange Rate History

# Appendices

## Appendix A

Below is the list of Parameters related to FC Currency Exchange module and the PAR\_GROUP name is "Exchange".

PAR Name	PAR Value	Description
2Way Commission Type	1: Calculate Commission On Buy. 2: Calculate Commission On Sell. 0: Calculate Commission On Buy and Sell.	Apply commission when 'Foreign to Foreign' checkbox is √.
Auto Populate Account Amount Field	0: No 1: Yes only when Enable Account Postings is enabled.	Auto populate amount when post to account.
Curr. Exch. Charge Department		Exchange Posting Department when post to account.
Curr. Exch. Commission Credit Dept.		Credit Department to post commission into system account. Note: This apply to cash exchange only. The credit department must configure a system account
Curr. Exch. Commission Dept.		Debit Department for charging Exchange Commission separately
Curr. Exch. Commission Type	1: Calculate Commission On Buy. 2: Calculate Commission On Sell. 0: Calculate Commission On Buy and Sell.	Apply to normal commission charge.
Curr. Exch. Receipt	0: Default enter key at 'Pay' button. 1: Default enter key at 'Pay & Print' button.	
Curr. Exch. Return Change		This is obsolete
Enable Account Postings	1: Enable 2: Disable	Post currency exchange to account.

## Appendix B

Listed below are the User Security Access rights permissible to Currency Exchange functionalities.

Security Ref. No	Description
223	Change Currency
267	Currencies
370	Enable Crew Rate
395	Exchange Rate History