

**Oracle® Retail Sales Audit (ReSA)**

User Guide

13.2.5

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# Contents

<b>Send Us Your Comments</b> .....	ix
<b>Preface</b> .....	xi
Audience .....	xi
Documentation Accessibility .....	xi
Related Documents .....	xii
Customer Support .....	xii
Review Patch Documentation .....	xiii
Oracle Retail Documentation on the Oracle Technology Network .....	xiii
Conventions .....	xiii
<b>1 Introducing Oracle Retail Sales Audit (ReSA)</b>	
<b>Purpose and Benefits of ReSA</b> .....	1-1
<b>User Roles</b> .....	1-2
<b>Integrating ReSA with Other Applications</b> .....	1-2
<b>Understanding ReSA Terminology</b> .....	1-2
<b>Understanding the ReSA Process</b> .....	1-3
<b>2 Setting up ReSA</b>	
<b>Setting up System Administration Options in ReSA</b> .....	2-1
Defining System Options .....	2-1
Adding Escheatment Details .....	2-2
Defining Voucher Options .....	2-3
Defining Error Codes .....	2-3
Adding an Error Code .....	2-3
Adding an Impacted System .....	2-4
Defining Reference Codes .....	2-4
<b>Setting up Security Options in ReSA</b> .....	2-5
Defining Field Level Access .....	2-5
To add a role .....	2-5
To assign a field to the role .....	2-5
<b>Setting up Employee Details</b> .....	2-6
Viewing an Employee Record .....	2-6
Adding a Store Employee Record .....	2-7
Editing a Store Employee Record .....	2-8

---

Adding a Headquarters Employee Record .....	2-10
Editing a Headquarters Employee Record .....	2-11
<b>Setting up Automated Clearing House (ACH) Options .....</b>	<b>2-12</b>
Creating a Bank/Store Relationship .....	2-12
Editing a Bank/Store Relationship .....	2-13
Deleting a bank/store relationship .....	2-13
<b>Setting up Company Closing Date .....</b>	<b>2-14</b>
Viewing the Company Closing Dates .....	2-14
Viewing the location exceptions for a company closing .....	2-14
Adding a Company Closing Date.....	2-15
Adding exceptions to a company close .....	2-16
Editing the Company Closing Date.....	2-17
Deleting a Closing Date for a Company .....	2-17
Deleting a Location Exception from a Closing Date .....	2-18
<b>Setting up Currency Rounding Rules .....</b>	<b>2-18</b>

### 3 Generating Totals

<b>Understanding the Total Definition Wizard.....</b>	<b>3-1</b>
Defining Basic Information for Totals.....	3-2
Defining Total Characteristics.....	3-3
Defining Realms and Joins.....	3-3
Defining Parameters .....	3-4
Defining Roll-Ups .....	3-4
Defining Restrictions .....	3-4
Defining Location Traits.....	3-4
Defining Usages .....	3-4
<b>Managing Total Definition.....</b>	<b>3-5</b>
Viewing a Total Definition.....	3-5
Creating Total Definition .....	3-5
Editing Total Definition.....	3-6
Changing the Status of Total Definition .....	3-6
<b>Frequently Asked Questions .....</b>	<b>3-6</b>

### 4 Importing Transactional Data

<b>Managing POS Data in ReSA .....</b>	<b>4-1</b>
<b>Transaction Types in ReSA.....</b>	<b>4-1</b>

### 5 Defining Audit Rules

<b>Understanding the Rules Definition Wizard.....</b>	<b>5-1</b>
---	------------

Defining Basic Information for Rules .....	5-1
Defining Rule Characteristics.....	5-2
Defining Realms and Joins.....	5-2
Defining Parameters .....	5-2
Defining Restrictions .....	5-3
Defining Location Traits.....	5-3
<b>Managing Rules.....</b>	<b>5-3</b>
Creating Rules Calculation Definition .....	5-3
Viewing Rules Calculation Definition .....	5-3
Editing Rules Calculation Definition .....	5-4
Changing the Status of Rules Calculation Definition .....	5-4

## 6 Auditing Transactional Data

<b>Working with the Transaction Maintenance Module .....</b>	<b>6-2</b>
Creating a Transaction.....	6-3
Adding Item Information to a Transaction .....	6-4
To add an item to a transaction.....	6-4
To add item details .....	6-4
To add a return reason to an item .....	6-4
To add price override information to a transaction.....	6-5
To add item discounts to a transaction .....	6-5
To add reference information to an item discount.....	6-6
To add item reference information.....	6-6
To add customer order information to an item .....	6-6
Navigating through the Transaction Detail Window .....	6-7
Navigating between transactions .....	6-7
To add comments.....	6-7
To add reference information to a transaction .....	6-8
To refresh the errors .....	6-8
To view errors associated with a transaction.....	6-8
To view audit trails.....	6-9
Adding Tender Information to a Transaction.....	6-9
Adding Customer Information to a Transaction.....	6-10
Adding Paid Out Details to a Transaction .....	6-11
Viewing a Transaction.....	6-12
Viewing a Transaction Data .....	6-12
Viewing an Item Reference .....	6-13
Viewing Item Details in a Transaction.....	6-13
Viewing the Transaction Reference.....	6-13
Viewing Export Information for a Transaction .....	6-13
<b>Viewing Transaction Details of an Item Summary .....</b>	<b>6-14</b>
<b>Managing a ACH Transactions .....</b>	<b>6-14</b>
Viewing Bank ACH Transactions.....	6-14
Adding a Bank ACH Transaction Amount .....	6-15
Deleting a Bank ACH Transaction Amount.....	6-16
Viewing a Store Bank ACH Transaction .....	6-17
Adding a Store ACH Transaction Amount.....	6-17

Deleting a Store ACH Transaction Amount.....	6-19
<b>Viewing the Store Day Transactions.....</b>	<b>6-19</b>
Searching for a Transaction Audit Trail.....	6-19
Viewing the Transaction Audit Trail .....	6-20
Searching for a Totals Audit Trail.....	6-22
Viewing the Totals Audit Trail.....	6-22
Searching for an Item Summary .....	6-24
Searching for Tender Summary Information.....	6-24
Viewing the Exported Revisions.....	6-25
<b>Managing a Store Audit.....</b>	<b>6-26</b>
Searching for a Store Day.....	6-26
Viewing a Store Day Information.....	6-27
Resolving Errors.....	6-28
Viewing the Balancing Level Information.....	6-29
Viewing Over/Short Totals Information.....	6-29
Viewing Miscellaneous Totals.....	6-29
Managing a Missing Transaction.....	6-30
To edit a missing transaction.....	6-30
To delete a missing transaction.....	6-30
Viewing the Import/Export Log.....	6-30
Deleting a Store Day .....	6-31
Closing a Store Day.....	6-31

## 7 Exporting Data

<b>Exporting Audited Data.....</b>	<b>7-1</b>
<b>Managing General Ledger Accounts.....</b>	<b>7-1</b>
Searching for a General Ledger Total.....	7-1
Viewing General Ledger Account Totals .....	7-2
Editing General Ledger Account Totals .....	7-3
Viewing the General Ledger Cross Reference .....	7-5

## Glossary

## Index



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Oracle Retail Sales Audit (ReSA) User Guide, 13.2.5

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# Preface

The Oracle Retail Sales Audit User Guide describes the application user interface and how to navigate through it.

## Audience

This User Guide is for users and administrators of Oracle Retail Sales Audit User Guide. This includes merchandisers, buyers, business analysts, and administrative personnel.

## Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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## Related Documents

For more information, see the following documents in the Oracle Retail Sales Audit Release 13.2.5 documentation set:

- *Oracle Retail Merchandising System Release Notes*
- *Oracle Retail Merchandising System Installation Guide*
- *Oracle Retail Merchandising System User Guide*
- *Oracle Retail Merchandising System Online Help*
- *Oracle Retail Sales Audit Online Help*
- *Oracle Retail Merchandising System Operations Guide*
- *Oracle Retail Merchandising System Data Model*
- *Oracle Retail Merchandising Batch Schedule*
- *Oracle Retail Merchandising Implementation Guide*

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- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 13.1) or a later patch release (for example, 13.1.2). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

## Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

[http://www.oracle.com/technology/documentation/oracle\\_retail.html](http://www.oracle.com/technology/documentation/oracle_retail.html)

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

## Conventions

The following text conventions are used in this document:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.



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# Introducing Oracle Retail Sales Audit (ReSA)

In retail, the sales audit function describes the process of reviewing the Point-of-Sale (POS) transaction data for accuracy. ReSA provides a simplified sales audit process while ensuring the integrity of audited data and smooth integration with other retail applications. The retail sales audit function also allows for balancing out cashiers, cash registers, or an entire store day. This process validates the totals from POS against the calculated totals of transactions. If these totals are not equal, you can report this variance as a over or short value.

ReSA is part of the Merchandise Operations Management Product Group (MOM) which helps retailers to reduce shrinkage, reduce integration costs, improve internal control, increase productivity, and improve visibility to sales. Using real time inventory information, this system calculates need based on set parameters for any product, store or other category.

This chapter contains the following topics:

- [Purpose and Benefits of ReSA](#)
- [User Roles](#)
- [Integrating ReSA with Other Applications](#)
- [Understanding ReSA Terminology](#)
- [Understanding the ReSA Process](#)

## Purpose and Benefits of ReSA

ReSA accepts raw POS data and provides audited data to downstream applications. It allows a single entry point for sales data from external systems into Oracle Retail and other financial systems. It accepts and validates transaction data while detecting and correcting errors according to pre-defined rules. It allows users to view and audit data at the store/day level. This process results in clean data that you can export to other applications.

ReSA reduces shrinkage as it provides regular comparisons of inventory levels and sales. It can isolate irregularities at point of sale. It reduces cost of integration of sales audit function with other applications like Oracle Retail Management System (RMS) and Oracle Retail Analytics (ORA). It also lowers development and maintenance costs and facilitates system upgrades. Audited POS data, exported from ReSA, provides a single version of data across downstream solutions. It can support reporting and analysis to help reduce losses.

## User Roles

You can assign roles to four separate groups to represent different job tasks and access levels:

- Store cashiers
- Store managers
- Headquarter auditors
- Store salesperson

## Integrating ReSA with Other Applications

ReSA can integrate with the following applications:

- Oracle Retail Management System (RMS)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Analytics (ORA)
- Oracle Retail Store Inventory Management (SIM)

You can also setup ReSA to interface with third-party applications including general ledger applications or any financial institutions (ACH).

## Understanding ReSA Terminology

Following is a list of terms used in ReSA:

- Store day: A Store Day is the time between opening the cash registers at the start of a calendar day and closing the registers at the end of the day.  
  
The retailers who operate 24 hours a day and seven days a week may have their Store Day spread to more than one calendar day. ReSA uses the Day Close transactions from the POS application to define the close of business day.
- Transaction: A transaction is a record of events at the location of sale, which may include sale, return, and exchange of items. A transaction record may contain one or more of the following:
  - Date and time of transaction
  - Salesperson ID
  - Register number
  - Cashier
  - Invoice number
  - Item details
  - Item quantity
  - Discounts
  - Tender details
  - Customer details
  - Paid out details



- **Revision:** Revision is an archive of updates made to transactions. Before updating the current data in transaction tables, snapshot of the data is maintained as revisions to have history data. This process includes the following steps:

- Creating a new version of the transaction record.
- Keeping the older version of the record unchanged.
- Moving the older version of the transaction record to a revision table.

Moving the older version to a separate version history table maintains a complete audit trail and also minimizes the amount of data held in main transaction tables.

- **Escheatment:** Escheatment is the process of forwarding money of outstanding, non-expiring vouchers to the proper governing authorities after a defined period of time from the date of issuance.

The Escheatment functionality in ReSA is driven by the hierarchy of Store, Issuer, Recipient, & HQ. When performing escheatment, ReSA checks if there is an address for the first level of the hierarchy, the Store. If so, it checks if the state or country is defined in the Escheatment table in ReSA. If the state or country exists on the table it then checks to see if the Store indicator for that state or country is set to yes. If so, ReSA escheats the money to that state or country. If no state or country exists for the store, or one does but does not exist on the Escheatment table, or it does exist on the table but the Store indicator is set to no, then ReSA checks the next level, Issuer, and so on. If no matches are found after ReSA checks all four levels of the hierarchy, then the retailer claims the voucher as income.

- **Full disclosure:** A method of restating data by sending a negation of the entire first statement, then a second complete statement.
- **Totals:** A summation of one or more entities that are captured in the POS system and imported in ReSA. For example, summation of the quantity of items sold in a store during a particular store day. Totals are used to perform store balancing, perform analysis within the ReSA system to control losses, generate reports, and to export audited data to external systems.
- **Report data:** Allows you to generate reports, such as, Flash sales report and Flash totals report.
- **ReSA status:** ReSA maintains status at three different levels, store status, data status, and audit status. The status associated with Stores level indicates the status of data upload. The status associated with Data level indicates the status of data upload. The status associated with Audit level indicates whether the sales data is audited, or is in the process of auditing, or if errors were identified at the store or headquarter for correction.

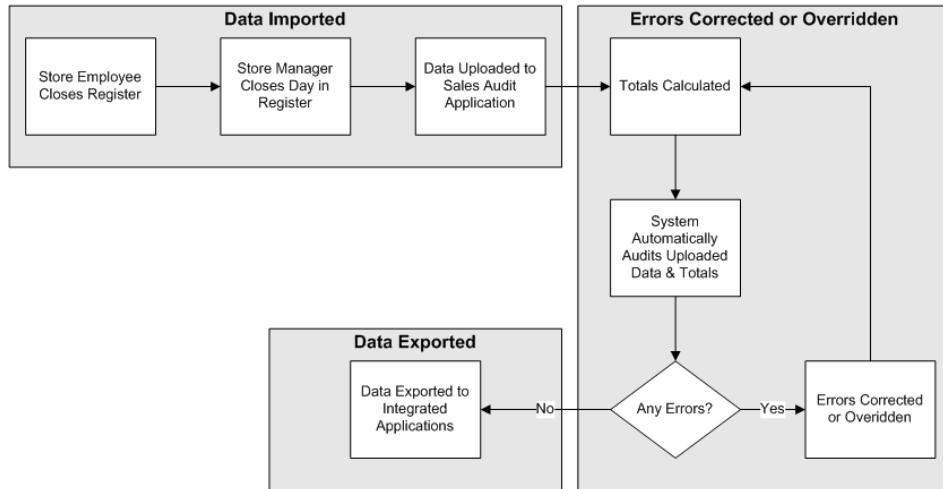
## Understanding the ReSA Process

The ReSA process includes the following procedures:

1. Setting up ReSA - For more information, see [Chapter 2, "Setting up ReSA"](#).
2. Generating totals - For more information, see [Chapter 3, "Generating Totals"](#).
3. Defining audit rules - For more information, see [Chapter 5, "Defining Audit Rules"](#).
4. Importing data - For more information, see the section on Importing Transactional Data in [Chapter 4, "Importing Transactional Data"](#).

- 5. Auditing transaction data - For more information, see [Chapter 6, "Auditing Transactional Data"](#).
- 6. Exporting data - For more information, see [Chapter 7, "Exporting Data"](#).

**Figure 1-1 ReSA Auditing Process**



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## Setting up ReSA

Before you proceed with processing the raw transaction data, you need to setup system options to allow importing and exporting data from ReSA. This chapter covers the following topics:

- [Setting up System Administration Options in ReSA](#)
- [Setting up Security Options in ReSA](#)
- [Setting up Employee Details](#)
- [Setting up Automated Clearing House \(ACH\) Options](#)
- [Setting up Company Closing Date](#)
- [Setting up Currency Rounding Rules](#)

### Setting up System Administration Options in ReSA

Use the system administration module of the ReSA application to customize information for your organization.

You can change system options to configure system validations around escheatment, voucher options, and information related to the Automated Clearing House (ACH). You can set setup error code definitions that include information on where the errors will appear and where to fix them in ReSA. This module also allows you to determine which fields different users can access.

### Defining System Options

You can customize various parameters, defaults, and constants that are used throughout the system. Normally, these elements are set when ReSA is installed by the system or database administrator. They tend to remain fixed unless a business practice is changed which necessitates a change in ReSA.

A System Administrator can set the following system options in ReSA.

- **Balancing Level:** Define the level (Cashier, Register, and Store) at which the system totals are summarized and reconciled against the reported value.
- **Unit of Work:** Defines the level at which transactions are processed within ReSA. It is used to determine when to export data to external systems and it needs to indicate that a transaction or store day must be free of any errors that prevent export.
  - For Transaction level, the data is exported from ReSA as soon as it is validated.

- For Store Day level, the data imported in ReSA is exported only once the entire store day is processed.
- **Max No. of Days Sales Audit Stored:** Defines the number of days for which the audited data is stored in the ReSA system.
- **Max No. of Days Post-Dated Trans. Allowed:** Define the number of days after a store day has elapsed, within which backdated transactions will be permitted for upload into the system.
- **Credit Card Security Level:** Indicates the level of Credit Card security used within the system. Valid values are: No security imposed (None), Restricted Access, or Block Credit Card information from coming into ReSA. By default this option is set to None.
- **Check for Credit Card Validation Required:** Indicates whether Credit/Debit card number is mandatory for tender type CCARD and DCARD. Select this option only when the ReSA system is performing audit of credit card transactions.
- **Execute Automated Audit After Import:** Indicates whether the automated audit should run after each import or if the ReSA system should wait until the transaction data for the entire store day is loaded.
- **Store Days Must Be Worked in Order:** Indicates whether the ReSA system can close a current day if the previous day is still open.
- **Check for Duplicate and Missing Transactions:** Indicates whether the ReSA application should look for duplicate and missing transactions.
- **Auto Validate Trans. Employee IDs:** Indicates whether ReSA should validate employee information automatically during the sales transaction data import process. This option is not used frequently for locations where the employee turnover is very high and the centralized employee control is limited or low.
- **Transaction no. appended with Workstation ID:** Indicates whether ReSA should append the workstation ID of the employee with their employee ID.
- **Max No. of Days to Compare Duplicates:** Define the number of previous days over which the ReSA system should look for duplicate transactions.
- **Default Chain:** Define the primary chain that will pre-populate in ReSA fields to save time and effort. However, you can manually override the pre-populated data.
- **Do you have fuel merchandise?:** Specify whether items for audit include fuel items.
- **Fuel Department:** If the items for audit include fuel item, specifies the department the fuel items reside in.
- **Escheatment Details:** Specify whether you would like to escheat vouchers (such as, gift certificates and credit vouchers) back to the state after a defined period of time. The value in the Escheatment field depends on the laws of the state/area where your organization's headquarters is located.

### Adding Escheatment Details

To add Escheatment details:

1. From the main menu, select **Action > Sales Audit > Control > System > System Options**. The Sales Audit System Options window appears.
2. In the Escheatment Indicator section, select the **Escheat to Governmental Authorities** check box.

3. In the Retailer Details for Income Adjustment section:
  - In the Partner Type field, enter the partner type.
  - In the Partner field, enter the ID of the partner, or select a partner.
4. Click **Escheatment**. The Escheatment window appears.
5. Click **Add**.
6. In the Escheat To field, select either Country or State.
  - If you select country, in the Country field, enter the country code, or select the country.
  - If you select state, in the Country and State fields, enter the country and state codes, or select them from the list.
7. Click **Apply**. The Apply Confirmation window appears.
8. Click **OK** to save your changes and close the window.

### Defining Voucher Options

To define Voucher Options:

1. From the main menu, select **Action > Sales Audit > Control > System > System Options**. The Sales Audit System Options window appears.
2. Click **Vouch Opts**. The Voucher Options window appears.
3. Click **Add**.
4. On the highlighted line, enter the tender type ID number.
5. In the **Escheat No Days** field, enter the desired number of escheatment days.
6. In the **Purge No Days** field, enter the number of days a voucher will be valid before it is purged from RMS.
7. Click **OK** to save your changes and close the window.

### Defining Error Codes

You can define error codes that are displayed when predefined data checks or audit rule constraints condition is not met in the audited data. You can define where and how to fix these errors and also specify which systems are impacted by the error. You can manage error codes using the following procedures:

- Adding an Error Code
  - Adding an Impacted system
- Editing an Error Code
- Deleting an Error code

#### Adding an Error Code

To add an error code:

1. From the main menu, select **Action > Sales Audit > Control > System > Error Code Maintenance > Edit**. The Error Definition window appears.
2. Click **Add** to enable the apply area.
3. In the **Error** field, enter the error code ID.

4. Enter a description of the error, or click the comments button and enter the description.
5. In the **Rec Solution** field, enter a recommended solution, or click the comments button and enter a solution.
6. In the **Form** field, select the window name where the error would be highlighted and can be fixed.
7. If you select the Transaction Detail window, in the **Tab** field, select the tab where you can fix the error.
8. If a store employee can override the error, select the **Store Override** check box.
9. If a headquarters employee can override the error, select the **HQ Override** check box.
10. Click **Apply**. The new error code record is added to the table.
11. Add impacted systems as necessary. For more information on how to add impacted systems, see [Adding an Impacted System](#).
12. Click **OK** to save your changes and close the windows

### Adding an Impacted System

1. From the main menu, select **Action > Sales Audit > Control > System > Error Code Maintenance > Edit**. The Error Definition window appears.
2. Select an error code from the table.
3. Click **System Impact**. The System Impact window appears.
4. Click **Add**.
5. On the next available line, select the system from the available list.
6. If the system is required, select the **System Required** check box.
7. Click **OK** to save your changes and close the window.

## Defining Reference Codes

You can use the Reference Maintenance window to enter, maintain, and view reference code information that is used in creating the errors for transactions.

To add a Reference code:

1. From the main menu, select **Action > Sales Audit > Control > System > Reference Maintenance > Edit**. The Reference Maintenance window appears.
2. Click **Add** to enable the apply area.
3. In the **Type** field, select a transaction type.
4. In the **Sub-Tran Type** field, select a sub-transaction type.
5. In the **Reason Code** field, select a reason code.
6. In the **No** field, select a reference number from the set of reference fields currently defined on for a transaction.
7. In the **Ref Label** field, enter a reference label describing the information present on the reference field for a given Type/ Sub-Type combination.
8. Click **Apply**. The reference information is added to the table.
9. Click **OK** to save your changes and close the window.

## Setting up Security Options in ReSA

Retailers can audit the sales data at one or more levels. The two primary levels of data auditing are:

- Head office only audit by Headquarter (HQ) auditors
- Audit at store, as well as, HQ level by both store and HQ auditors

The auditing process that involves multiple levels of transaction data audit is called multi-level audit (MLA).

In an MLA environment, the sales data in ReSA may become accessible to all the auditors (store and HQ auditors). However, from an organizational perspective, not all sales data should be accessible to every sales auditor. In such a scenario, it becomes necessary to define appropriate levels of security within ReSA. Multi-level audit can be configured for specific stores by appropriately defining the Import/Export settings on the Store Data Window.

### Defining Field Level Access

You can define field level access for each user role. To add field level access, add a role to the system and then add a field to the new role.

#### To add a role

1. From the main menu, select **Action > Sales Audit > Control > System > Field Level Access > Edit**. The Field Level Access window appears.
2. Click **Add Role** to enable the apply block.
3. In the **Role** field, enter a role ID.
4. To enable the role, select the **Enable** check box.
5. To display the role, select the **Display** check box.
6. Click **Apply**. A set of fields are added to the newly defined role with the enable and Display flags set with the values specified at the time of role addition.
7. Click **OK** to save your changes and close the window.

#### To assign a field to the role

1. Select the role from the table.
2. Click **Add Field**.
3. In the **Field** field, enter a field name.
4. To display the field, select the **Display** check box.
5. To enable the field, select the **Enable** check box.
6. Click **Apply**.
7. Click **OK** to save your changes and close the window.

## Setting up Employee Details

You might want to perform head office only audits in the sales audit process. In this scenario all users of ReSA are headquarter auditors. However, in multi-level audit, both the store employees and the headquarter auditors use ReSA. In this multi-level scenario, the store employees must perform their audits before the headquarter auditors; therefore, workflow management is important.

The Employee Maintenance window is used to define the employee type for each ReSA user (that is, Store Employee or Headquarter Auditor). This definition drives their ability to view or edit store data. Store employees are granted edit access prior to the store being Closed, whereas the headquarter auditors are granted edit access after the store has been Closed. You can use the following procedures to setup employee details:

- [Viewing an Employee Record](#)
- [Adding a Store Employee Record](#)
- [Editing a Store Employee Record](#)
- [Adding a Headquarters Employee Record](#)
- [Editing a Headquarters Employee Record](#)

## Viewing an Employee Record

To view an employee record, do the following:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Employee Maintenance > View**. The Employee Maintenance window appears.

**Figure 2–1 Employee Maintenance Window**

The screenshot shows the 'Employee Maintenance' window with the following fields and controls:

- Employee**: A text input field with a search icon.
- Employee Type**: A dropdown menu with three radio button options:  Manager,  Cashier, and  Salesperson.
- Name**: A text input field.
- Phone**: A text input field.
- E-mail**: A text input field with a help icon.
- Oracle User-id**: A text input field.
- Buttons**: 'Store Emp. Detail', 'HQ Emp. Detail', 'OK', 'OK+Repeat', 'Delete', and 'Cancel'.

2. In the **Employee** field, enter the employee's ID number and press the Enter key. The selected employee information appears.

---

**Note:** Depending on the Employee Type, you can click either **Store Emp Detail**, or **HQ Emp Detail** to see the stores and location traits associated with the employee.

---



3. Click **OK** to close the window.

## Adding a Store Employee Record

To add a store employee record:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Employee Maintenance > New**. The Employee Maintenance window appears.

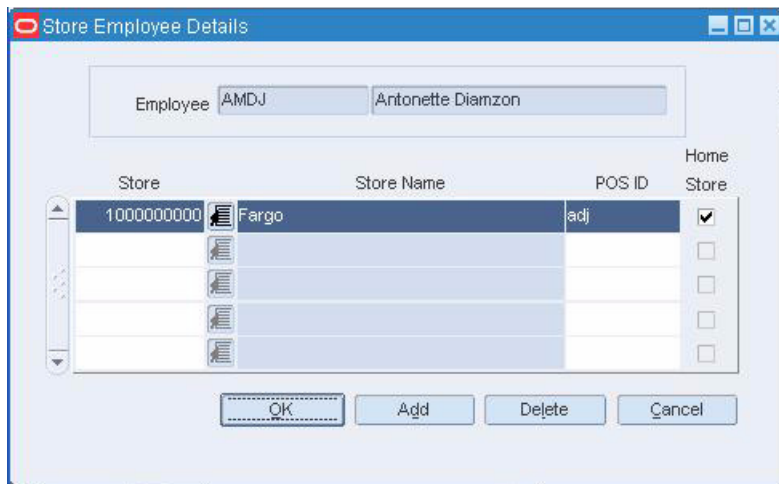
**Figure 2–2 Employee Maintenance Window**

The screenshot shows the 'Employee Maintenance' window with the following fields and controls:

- Employee**: Text input field.
- Employee Type**: Dropdown menu.
- Manager**, **Cashier**, **Salesperson**: Radio button options.
- Name**: Text input field.
- Phone**: Text input field.
- E-mail**: Text input field with a help icon.
- Oracle User-id**: Text input field.
- Store Emp. Detail** and **HQ Emp. Detail**: Action buttons.
- OK**, **OK+Repeat**, **Delete**, **Cancel**: Standard window control buttons.

2. In the **Employee** field, enter the employee's ID number and press the Enter key.
3. In the **Employee Type** field, select **Store**.
4. Specify whether the employee is a manager, cashier, or salesperson by selecting the appropriate option.
5. In the **Name** field, enter the employee's name.
6. Enter the employee's phone number and email address.
7. In the **Oracle User ID** field, enter the Oracle user ID of the employee.
8. Click **Store Emp Detail**. The Store Employee Details window appears.

**Figure 2–3 Store Employee Details Window**



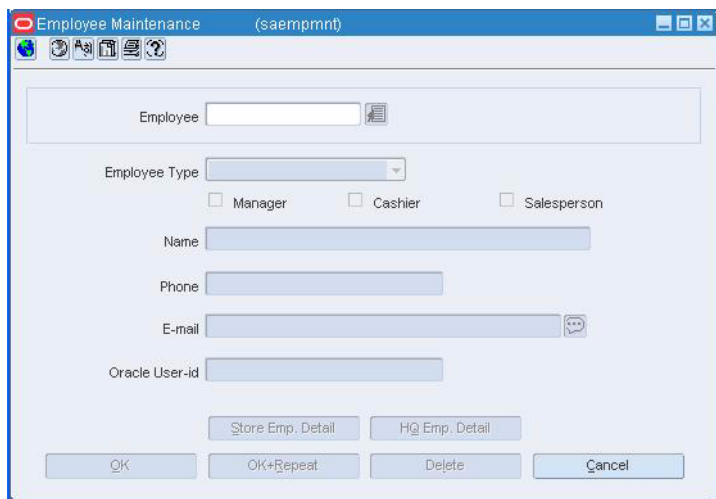
- a. In the **Store** field, enter the store ID.
  - b. In the **POS ID** field, enter the employee's point of sale ID.
  - c. If this store is the employee's home store, select the **Home Store** check box.
9. Click **OK** to save your changes and close the window.

## Editing a Store Employee Record

To edit a store employee record:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Employee Maintenance > Edit**. The Employee Maintenance window appears.

**Figure 2–4 Employee Maintenance Window**



2. In the **Employee** field, enter the employee ID.
3. Edit the Employee type, Name, Phone, Email, and Oracle User ID fields as necessary.

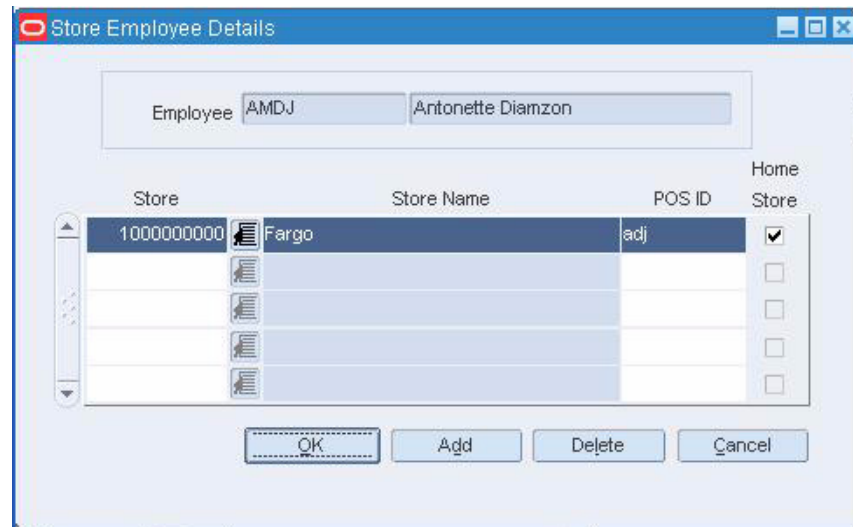
---

**Note:** If you change the employee type, all associated employee details are deleted.

---

4. Click **Store Emp Detail**. The Store Employee Details window appears.

**Figure 2-5 Store Employee Details Window**



5. Edit the **POS ID** field as necessary.
6. Click **Add** to add a store or POS ID to an employee record.
7. To delete a store ID, Store Name, and POS ID from the employee record:
  - a. Select the store record.
  - b. Click **Delete**.
  - c. Click **Yes** to confirm deletion.
8. Click **OK** to save your changes and close the window.

## Adding a Headquarters Employee Record

To add a headquarters employee record:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Employee Maintenance > New**. The Employee Maintenance window appears.

**Figure 2–6 Employee Maintenance Window**

2. In the **Employee** field, enter the employee's ID number or name and press the Enter key.
3. In the **Employee Type** field, select Headquarters.
4. In the **Name** field, enter the employee's name.
5. Enter a phone number and email address.
6. In the **Oracle User ID** field, enter the employee's user ID.
7. Click **HQ Emp Detail**. The HQ Employee Details window appears.

**Figure 2–7 HQ Employee Details Window**

Location Trait	Description

- a. In the **Location Trait** field, enter the location trait ID for the employee.

---

**Note:** Location traits help filter records on the Store Day Find window using the **Assigned Stores** button.

---

- b. Click **Add** to assign additional location traits to this employee.
8. Click **OK** to save your changes and close the window.

## Editing a Headquarters Employee Record

To edit an headquarters employee record:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Employee Maintenance > Edit**. The Employee Maintenance window appears.

**Figure 2–8 Employee Maintenance Window**

2. In the **Employee** field, enter the employee ID.
3. Edit the **Employee Type**, **Name**, **Phone**, **Email**, and **Oracle User ID** fields as necessary.

---

**Note:** If you change the employee type, all associated employee details are deleted.

---

4. Click **HQ Emp Detail** or **Store Emp Detail** to edit employee details. The relevant Employee Details window is displayed. You can add and edit location traits on this window.

5. Click **Add** to add new location trait to the employee record.
6. To delete a location trait from the employee record:
  - a. Select the location trait.
  - b. Click **Delete**. You are prompted to delete the record.
  - c. Click **Yes**.
7. Click **OK** to save your changes and close the windows.

## Setting up Automated Clearing House (ACH) Options

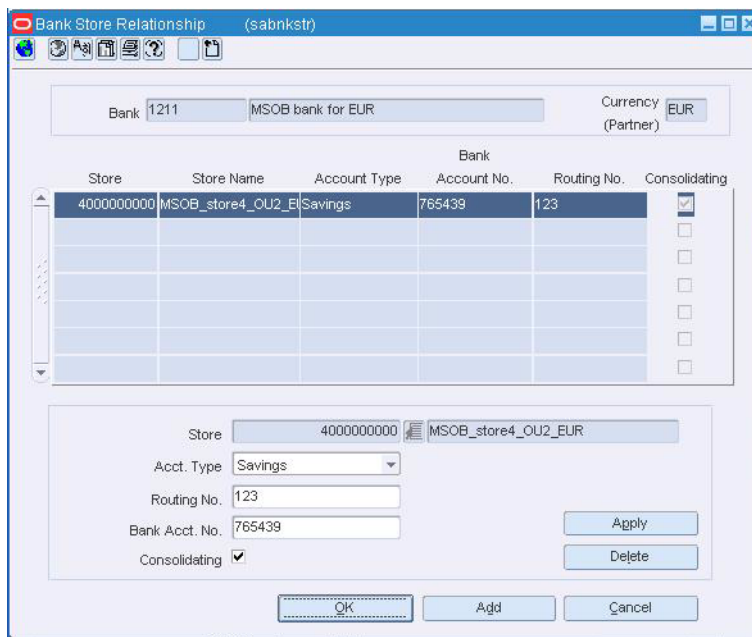
You can setup ACH options using the following procedures:

### Creating a Bank/Store Relationship

To create a bank/store relationship:

1. From the main menu, select **Control > Partner**. The Partner Find window is displayed.
2. Search for and retrieve a bank partner in Edit mode. The Partner Maintenance window appears.
3. From the **Options** menu, select **Stores**. The Bank/Store Relationship window appears.

**Figure 2–9 Bank/Store Relationship Window**



4. Click **Add**. The Apply area is enabled.
5. In the **Apply** area:
  - a. In the **Store** field, enter a Store ID number.
  - b. In the **Acct. Type** field, select the account type the bank has assigned to the store.

- c. In the **Routing No** field, enter the routing number for the bank.
  - d. In the **Bank Acct. No** field, enter the bank account number for the store.
  - e. To indicate that the account is a consolidating account, select **Consolidating**.
  - f. Click **Apply**.
6. Click **OK** to save your changes and close the window.

## Editing a Bank/Store Relationship

To edit a bank/store relationship:

1. From the main menu, select **Control > Partner**. The Partner Find window appears.
2. Search for and retrieve a bank partner in Edit mode. The Partner Maintenance window appears.
3. From the **Options** menu, select **Stores**. The Bank/Store Relationship window appears.

**Figure 2–10 Bank/Store Relationship Window**

The screenshot shows the 'Bank Store Relationship' window. At the top, there are fields for 'Bank' (1211), 'MSOB bank for EUR', and 'Currency (Partner)' (EUR). Below this is a table with columns: Store, Store Name, Account Type, Account No., Routing No., and Consolidating. The first row is selected and highlighted in blue.

Store	Store Name	Account Type	Account No.	Routing No.	Consolidating
4000000000	MSOB_store4_OU2_EUR	Savings	765439	123	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

Below the table is a form for editing the selected record. It includes fields for 'Store' (4000000000), 'Store Name' (MSOB\_store4\_OU2\_EUR), 'Acct. Type' (Savings), 'Routing No.' (123), 'Bank Acct. No.' (765439), and a checked 'Consolidating' checkbox. There are 'Apply' and 'Delete' buttons to the right of the form. At the bottom of the window are 'OK', 'Add', and 'Cancel' buttons.

4. Click the desired Bank/Store record you want to edit.
5. Edit the **Acct. Type**, **Routing No**, and **Bank Acct. No** fields as necessary.
6. Click **Apply**.
7. Click **OK** to save your changes and close the window.

## Deleting a bank/store relationship

1. From the main menu, select **Control > Partner**. The Partner Find window appears.
2. Search for and retrieve a bank partner in Edit mode. The Partner Maintenance window appears.

3. From the **Options** menu, select **Stores**. The Bank/Store Relationship window appears.
4. Select a bank/store record.
5. Click **Delete**.
6. Click **Yes** to confirm deletion.
7. Click **OK** to save your changes and close the window.

## Setting up Company Closing Date

The Company Close window allows you to view and maintain the dates on which the company is closed. When you specify a company close date, all stores and warehouses in the company are closed on that date by default. However, using the Location Exceptions window, you can specify exceptions to the closing date. You can indicate which locations are open on that date and for what activities they are open. You can use the following procedures to setup company closing dates:

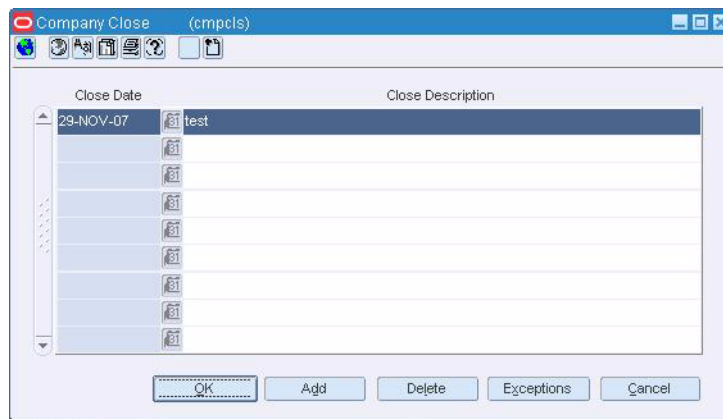
- [Viewing the Company Closing Dates](#)
- [Adding a Company Closing Date](#)
- [Editing the Company Closing Date](#)
- [Deleting a Closing Date for a Company](#)
- [Deleting a Location Exception from a Closing Date](#)

## Viewing the Company Closing Dates

To view the company closing date:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Company Closings > View**. The Company Close window appears.

**Figure 2–11** *Company Close Window*



2. Click the scroll arrows to see all of the company closing dates.
3. Click **OK** to close the window.

### Viewing the location exceptions for a company closing

1. Select a close date. Click **Exceptions**. The Location Exceptions window appears.



**Figure 2–12 Location Exceptions Window**

2. Click **OK** to close the window.

## Adding a Company Closing Date

To add a close date for a company:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Company Closings > Edit**. The Company Close window appears.

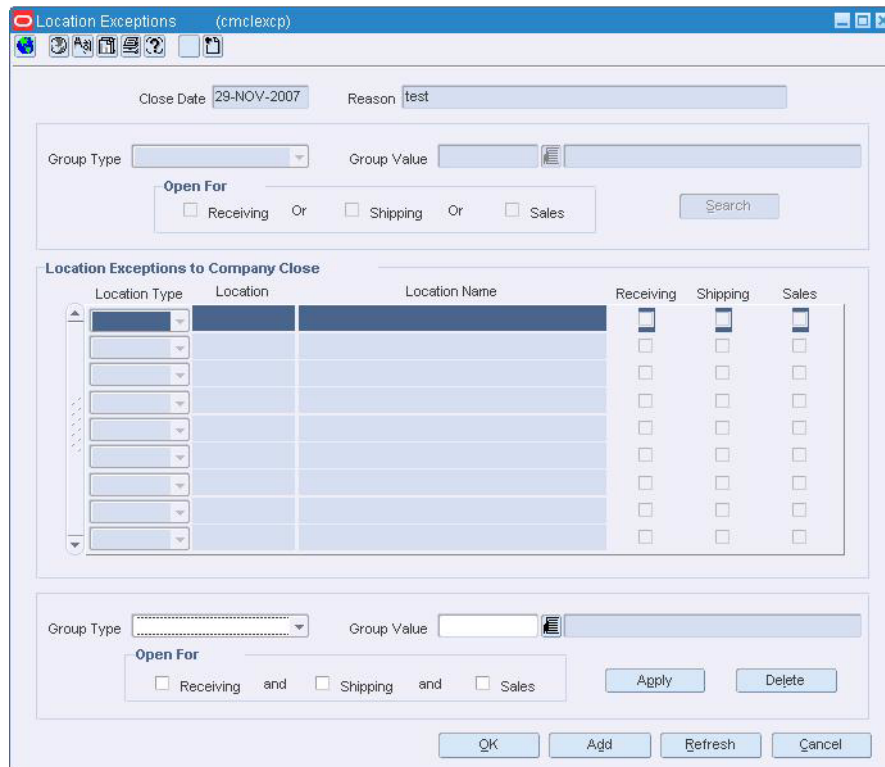
**Figure 2–13 Company Close Window**

2. Click **Add**. A blank row is highlighted.
3. In the **Close Date** field, enter a date, or click the calendar button and select a date.
4. In the **Close Description** field, enter a reason for the close.

### Adding exceptions to a company close

1. Click **Exceptions**. The Location Exceptions window appears.

**Figure 2–14 Location Exceptions Window**



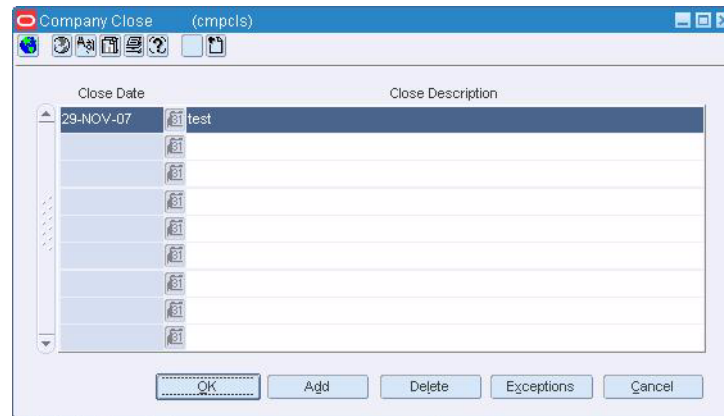
2. Click **Add** to enable the apply area.
3. In the **Group Type** field, select the type of group for which you are creating exceptions.
4. In the **Type** field, enter the ID of the group for which you are creating exceptions.
5. In the **Open For** area, select the types of activities for which the store is open.
6. Click **Apply**. The information is added to the table.

## Editing the Company Closing Date

To edit the closing date for a company:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Company Closings > Edit**. The Company Close window appears.

**Figure 2–15** *Company Close Window*



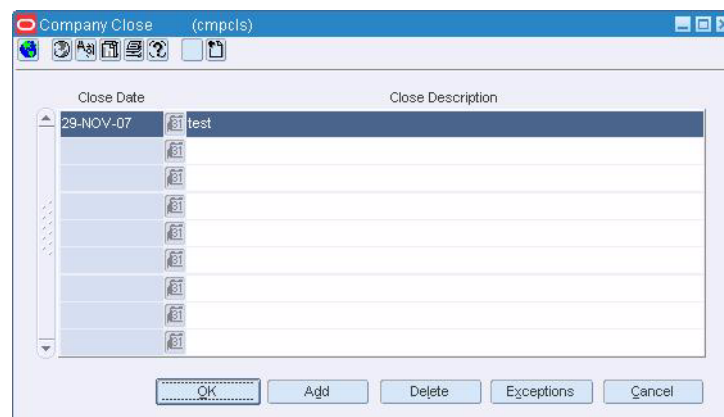
2. Select the date to be edited.
3. In the **Close Description** field, enter a description.
4. Click **OK** to save your changes and close the window.

## Deleting a Closing Date for a Company

To delete a closing date for a company:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Company Closings > Edit**. The Company Close window appears.

**Figure 2–16** *Company Close Window*



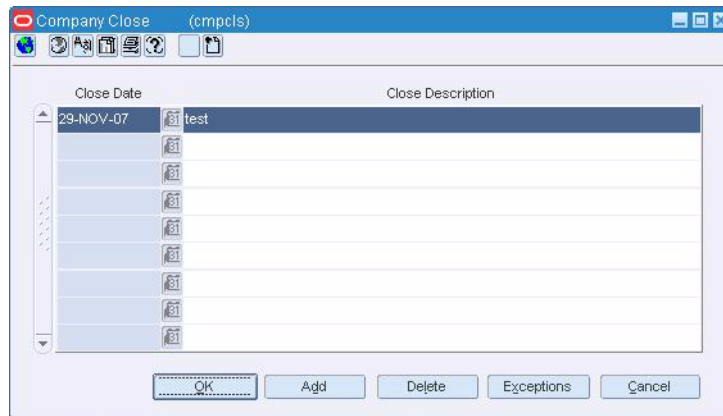
2. Select the close date to delete.
3. Click **Delete**.
4. Click **Yes** to confirm.
5. Click **OK** to save your changes and close the window.

## Deleting a Location Exception from a Closing Date

To delete a location exception from a closing date:

1. From the main menu, select **Action > Sales Audit > Control > Setup > Company Closings > Edit**. The Company Close window appears.

**Figure 2–17 Company Close Window**



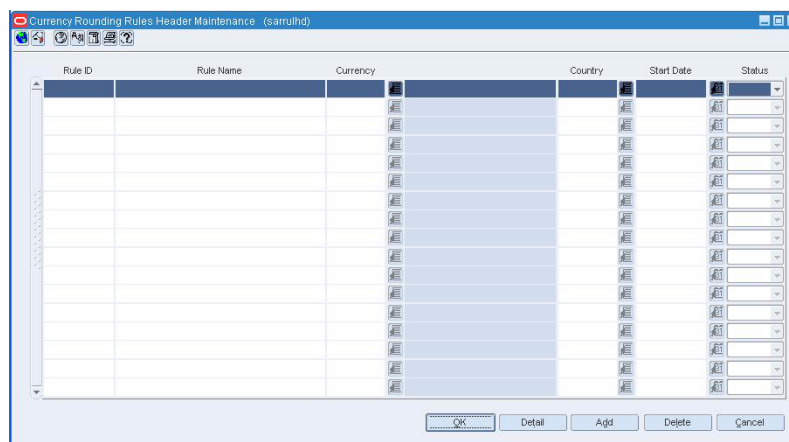
2. Select a close date. Click **Exceptions**. The Location Exceptions window appears.
3. Select the location exception you want to delete.
4. Click **Delete**.
5. Click **Yes** to confirm.
6. Click **OK** to save your changes and close the window.

## Setting up Currency Rounding Rules

The Currency Rounding Rules Header Maintenance window is used to set rules for currency. To set up currency rounding rules:

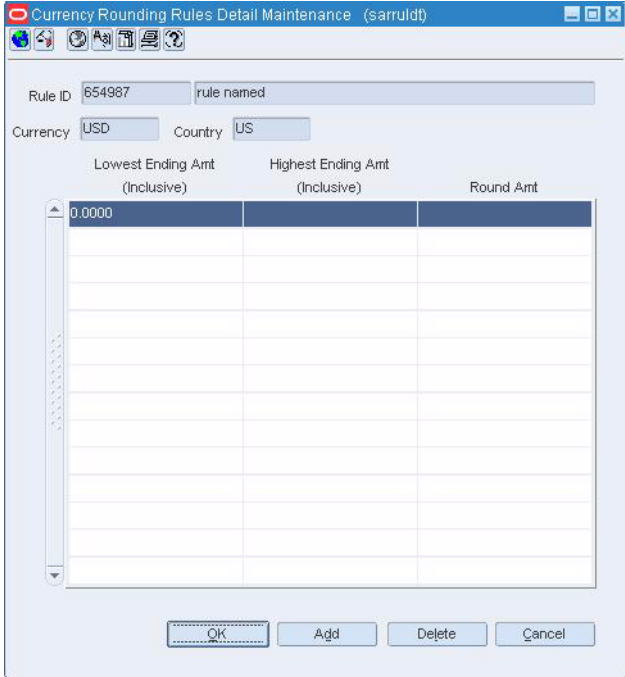
1. From the main menu, select **Action > Sales Audit > Control > Setup > Currency Rounding Rules Maintenance > Edit**. The Currency Rounding Rules Maintenance window appears.

**Figure 2–18 Currency Rounding Rules Header Maintenance Window**



- 2. Enter the currency rounding information.
- 3. Click **Detail**. The Currency Rounding Rules Detail Maintenance window appears.

Figure 2-19 Currency Rounding Rules Detail Maintenance Window



- 4. Enter the details of the currency rounding.
- 5. Click **OK**.



---

---

## Generating Totals

A total is a summation or count of two or more entities. For example, a total can be a summation of the quantity of items sold in the store on a particular store day. You can either import totals as transactional data from the POS system into ReSA through a RTLOG file or you can use the Totals Definition Maintenance module of ReSA to define the totals you need. For more information on importing data through an RTLOG file, see [Chapter 4, "Importing Transactional Data"](#).

Source data can include transaction data and external data, such as money order totals or lottery ticket sales. You can choose the tables and columns for the total, build query statements to yield the desired information, and associate these totals with categories, such as stores or POS values.

You can use totals for the following:

- Evaluating and consolidating data
- Determining whether transactions meet defined tolerances
- Determining over or shorts exported to external systems

Once the totals are calculated, you can export them to an external application.

This chapter contains the following topics to help you understand and manage total definition:

- [Understanding the Total Definition Wizard](#)
- [Managing Total Definition](#)
- [Frequently Asked Questions](#)

### Understanding the Total Definition Wizard

The Total Definition Wizard allows you to create and update a total definition. Each window in the wizard has a text box to the right that displays help text for each field. You should understand the following concepts before you create or update a total:

- Revision Number

Each total definition is assigned a revision number because updates to the total definitions are saved as new revisions and the existing definition record is not updated. This allows you to maintain a full audit trail and ensures that if an export is restated after the total definition has changed, the system still has the total definition of the original export.

- Status

Each total definition is assigned a status. Based on the status of the total, the values it produces are stored in respective tables. For example, if a total definition is in Worksheet status, the values it produces are written to the specific tables. This allows you to test total definitions to ensure the definition meets the functional need before introducing the total into the main test or production system.

## Defining Basic Information for Totals

The Total Overview window allows you to enter basic information for a total. You can enter the following information on the Total Overview window:

Field	Description
Total	A unique ID and a description for the total. It is recommended that you add a description that is relevant to the objective you are trying to achieve with this total.
Start Date and End Date	The period for which the total is active.
Status	One of the following status: Worksheet, Approved, Submitted, Disabled, or Deleted. For more information, see <a href="#">"Status"</a> on page 3-2.
Version	The revision number for the total. For more information, see Revision section in <a href="#">"Revision Number"</a> on page 3-1
Update Date/Time	System time when the total was last updated.
Total Category	A grouping mechanism that helps to organize totals for display on the Over/Short and Miscellaneous Total windows. It does not influence the total in any way. It only helps to organize the total values for display.
Over/Short or Miscellaneous total	Determines the forms on which the total values are displayed. For over/short totals, you must specify an Over/Short Group and an Over/Short Operator.
Over/Short Group	Determines if the total values are 'Accounted For' (actual in hand monies) or 'Accountable For' (based on transaction data, monies the store should have).
Over/Short Operator	Used to determine whether the values produced by the total are added or subtracted from either the 'Accounted For' or 'Accountable For' groups.
Raw Data or Existing Total	A raw data total is defined using transaction data in the database. A combined total is defined by combining existing totals. While creating a raw data total, the total definition involves building an SQL statement.



## Defining Total Characteristics

The Total Characteristics window allows you to identify from where the values for this total can come from. Following are the options on the Total Characteristics window:

Field	Description
Corresponds to a value from the POS	Determines whether the total is uploaded from the POS through an RTLOG file.
Entered at a store	Determines whether the total is uploaded at the store by the store employee or using the Over/Short or Miscellaneous Totals form.
Entered at the HQ	Determines whether the total is uploaded at the headquarters (HQ) by the employee or using the Over/Short or Miscellaneous Totals form.
System calculated value	Determines whether the total is calculated by the system. For system calculated totals, you must build the SQL statement.
Count or sum	Determines whether the total values represent a number of occurrences (count) or an amount resulting from them (sum).
Store or system balancing level	Determines whether one value for the total is produced per store, or if one value is produced per cashier/store (if the balancing level is cashier) or per register/store (if the balancing level is register).
Created with the wizard	Determines whether the wizard is used to actually write the code for the total definition.
Required by the system	Determines whether the total is system required. The only totals that are required by the system and must be set up before production usage are:  OVRSHT_S – Used for the store level over/short total.  OVRSHT_B – Used for the balancing level over/short total (this is only used if the SA_SYSTEM_OPTIONS. BALANCE_LEVEL_IND is either 'C' – cashier or 'R' – register.
Display Group	Determines the order in which the total appears on the Over/Short and Miscellaneous totals form.

## Defining Realms and Joins

The Realms window allows you to add existing realms (tables) to the total. The list of available realms is displayed in the window.

Availability of realms is determined by whether possible joins exist with the realms that are already added to the total definition (the wizard does not allow incomplete joins that create Cartesian products).

In general, you should add the general/parent tables, and then add the specific/child tables. If at any time, a realm that you want to use is unavailable, you should remove the realms already added to the total, and try again in another order.

The Joins window displays how the realms are joined together. These joins are based on metadata defined in the system.

## Defining Parameters

The Parameters window allows you to choose the parameters for the total definition. You can only choose parameters (columns) that are available in one of the realms that were previously added to the total definition.

Begin by choosing one of the realms. The parameter list then displays a list of all of the parameters that belong to the selected realm. You must choose the parameter that you need to count or sum and any other parameters that may be used to limit the data set.

## Defining Roll-Ups

The Roll Ups window allows you to define the parameter that is counted (or summed). It also allows you to define up to three parameters to group by. Only parameters that were previously added to the total definition can be either counted (summed) or grouped by.

Because the total is at the store level, and therefore the user only wants one value per store, the system automatically assumes a roll up to the store/day level. If the total was defined at the cashier/register balancing level, and you want one total value per cashier/register, the system assumes a roll up to the cashier/register.

## Defining Restrictions

The Restrictions window allows you to limit the data set that is included in the total values. You can only restrict with parameters that were previously added to the total definition.

### Restrict By Table Value

Restricting allows you to make numerical as well as logical comparisons on the set of parameter values that have been added earlier to the total definition.

### Restrict By Constant Value

Restricting by a constant value allows you to define totals that only apply to a simpler data set that can be identified by a constant.

## Defining Location Traits

The Location Traits window allows you to associate total definitions with stores. The totals are calculated for each store that has the location trait. If multiple traits are added and have overlapping stores, the total is calculated once per store.

Location Traits are defined in RMS. It is recommended that when ReSA is used, you create an All Stores location trait and associate that trait with all available stores. While some regional or loss prevention totals can be associated with limited groups of stores, you must associate other totals (such as, Over/Short) with every store that uploads data to ReSA.

## Defining Usages

The Usages window allows you to define what should be done with values calculated by the total definition. There is a usage for each export. Total definitions that have export usages flag their resulting total values so that these values are selected and written to the export files. There is a usage for the Flash Totals Report and a Flash Sales Year to Date report too.

## Managing Total Definition

You can manage totals using the following procedures:

- [Viewing a Total Definition](#)
- [Creating Total Definition](#)
- [Editing Total Definition](#)
- [Changing the Status of Total Definition](#)

### Viewing a Total Definition

To view a total definition:

1. From the main menu, select **Action > Sales Audit > Control > Totals Definition Maintenance**. The Total Search window appears.
2. From the Action menu, select **View**.
3. Enter additional criteria as desired to make the search more restrictive.
4. Click **Search**. The totals that match the search criteria are displayed in a table.
5. Click **OK** to close the window.

### Creating Total Definition

To create a total definition:

1. From the main menu, select **Action > Sales Audit > Control > Totals Definition Maintenance**. The Total Search window appears.
2. From the Action menu, select **New** to create a new total definition.
3. Click **OK**. The Total Definition Wizard appears.
4. In the **Total** field, enter the ID and description of the total definition.
5. In the **Start Date** and **End Date** fields, enter the dates for which the total definition is effective.

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**Note:** If you leave the End Date field blank, the total is calculated indefinitely.

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6. Click **Next** to navigate through the wizard. Help for the selected field and button appears in the section on the right side of the window.

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**Note:** Select **Raw Data** or **Existing Total** from the Total Overview panel to indicate how the total is defined. If you select Raw Data, you create a completely new rule. To do this, you need a thorough knowledge of the tables and columns in the database. If you select Existing Data, you create a sum of existing totals.

You must associate all totals defined with a specific location list. For more information, see "[Defining Location Traits](#)" on page 3-4

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7. Click **Finish** to create the total definition.

## Editing Total Definition

To edit a total definition:

1. From the main menu, select **Action > Sales Audit > Control > Totals Definition Maintenance**. The Total Search window appears.
2. From the **Action** menu, select **Edit**.
3. Search for and retrieve the total definition you want to edit. The Total Definition Wizard window appears.
4. In the **Skip to Page** field, select the panel you want to edit. The total is now ready for editing.
5. Make the necessary changes and click **Finish** to save the changes.

## Changing the Status of Total Definition

You can set the status of a total definition to one of the following actions:

- Submit a total definition for approval  
You can submit a total definition using the **Submit** option.
- Approve a total definition  
When a total definition is submitted for approval, you can approve it by changing the status of the total to **Approve**.
- Disable a total definition  
You can disable a total definition by changing the status to **Disable**.
- Delete a total definition  
You can delete a total definition by changing the status to **Delete**.

To change the status of a total definition:

1. From the main menu, select **Action > Sales Audit > Control > Totals Definition Maintenance**. The Total Search window appears.
2. Search for and retrieve the total definition in Edit mode. The Total Definition Wizard window appears.

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**Note:** When you submit a total definition for approval, restrict the search to the totals in **Worksheet** status.

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3. From the Options menu, select a status for the total. You can select from Submit, Approve, Disable, or Delete.
4. When the system prompts you for a confirmation of status, click **Yes**.
5. Click **OK** to save your changes and close the window.

## Frequently Asked Questions

1. **What is the difference between a Total and an Audit Rule in ReSA?**

Totals in ReSA can either come from the POS or other external systems through the RTLOG. ReSA can also calculate the total itself based on raw transaction data or existing totals. Totals are used in performing store balancing (over/short), analysis within ReSA and exporting the transactions as well as totals. If a rule fails, the

system generates an exception, the retailer defines if the error can be overridden as well as what systems the error impacts. This system impact prevents a bottleneck in the export process by only prohibiting the export of the transaction or total to the systems defined in the system impact. Even if the transaction or total is in error, ReSA still exports it to other systems as long as they are not defined in the system impact for the given error.

2. **On page 1 of the Totals Calculation Definition Wizard in ReSA, is the question "Is this total a component of the Over/Short or Miscellaneous total?" only used to define on which total screen the defined total appears?**

Yes, this is only used to define the window that displays the total, the Over/Short or the Miscellaneous Totals form. Auditors use Over/Short Totals to perform store balancing (tender balance).

3. **On page 2 of the Totals Calculation Definition Wizard in ReSA, there is a question "Does this total correspond to a value in POS?" Where is the total value displayed when this is set to 'Yes' or 'No'?**

If this is set to 'Yes', it indicates the total is expected from the POS such as a Declared Tender Total; therefore, the value is displayed in the POS Reported column.

If this is set to 'No', it indicates that ReSA calculates this value based on either raw data or existing totals; therefore, the value is displayed in the System Calculated column.

4. **On page 3 of the Totals Calculation Definition Wizard in Retail Sales Audit (ReSA), there is a list box for Display Group and a Display Group Details button. What tables hold this information and what purpose do they serve?**

The Display Group list box defines in what order the total is displayed on the defined form in ReSA. This information is held on the sa\_total\_head table in the display\_order field.

The Display Group Details button displays all other totals that are defined to be displayed on the same form, total category and share the same display group setting for the given total. If more than one total has the same display order, then they are displayed alphabetically. This information is not held on one specific field, but rather queries multiple fields on the sa\_total\_head table.

5. **What is the difference between Accounted For and Accountable For?**

**Accounted For** – These totals represent what is physically counted in the till. (for example, total cash on hand, total checks).

**Accountable For** – These represent what should be in the till (for example, Sales, Returns). These totals can either come from the POS or ReSA can calculate these totals. Auditors use Miscellaneous Totals for other types of analysis (for example, loss prevention totals), which can have no relevance to the Over/Short screen.



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## Importing Transactional Data

ReSA accepts POS data as an RTLOG file. It then performs an initial validation on the data. This data is then loaded into the ReSA database tables. A batch process then audits the uploaded data. The store day records in ReSA are locked during validation to prevent any manual updates of the data. All errors are written to error tables.

The data import is considered complete once the batch process has updated the store data and audit status for each store day record.

This chapter contains the following topics to help you understand the import process:

- [Managing POS Data in ReSA](#)
- [Transaction Types in ReSA](#)

### Managing POS Data in ReSA

Following is the process followed while importing data into ReSA.

1. Create a Store Day.

When you create a Store Day within POS, usually the Store Day is created for the next business day. A Store Day for the next day is automatically created at the end of the processing for the previous day. Therefore, when you are processing the Store Day data for today, the Store Day for the next day is automatically created.

2. Receive RTLOG from POS.
3. Import RTLOG into ReSA.  
Run batch files to import the RTLOG files into ReSA.
4. Validate RTLOG with the reference data and configuration options during import.
5. Run audit rules and totals on the uploaded data.
6. Flag auditing failures as well as mismatched with reference data for manual audit.
7. Close store day once all RTLOGs for the business day are processed.

It is necessary to close the Store Day in the POS system, to enable the HQ auditors to perform audit of the sales data after it is imported in the ReSA system.

### Transaction Types in ReSA

The following is a list of valid ReSA transaction types.

<b>Transaction Code</b>	<b>Transaction Type</b>
OPEN	Open
CLOSE	Close
COND	Daily Store Conditions
DCLOSE	Day close indicator
LOAN	Loan
METER	Meter Reading for Fuel
NOSALE	No Sale
PAIDIN	Paid In
PAIDOU	Paid Out
PULL	Pull
PUMPT	Pump Test for Fuel
PVOID	Post Void
REFUND	Return of customer's original check
RETURN	Return
SALE	Sale
TANKDP	Tank Dip
TOTAL	POS generated totals
EEXCH	Even exchange
VOID	Void (aborted transaction)



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## Defining Audit Rules

As a retailer, you may want to supplement the validation built into ReSA by defining your own audit rules. You can define these rules based on transaction data or totals using the Rules Definition module of ReSA.

Because rules are associated with specific errors, you must define the errors and their impacts before you create the audit rules you need. These definitions disable exports to the impacted system till all errors concerning the system are corrected.

When you create an audit rule, it is initially in the Worksheet Status. You can view, run, modify, and test the rule. Errors created by rules in Worksheet Status are stored in the Error Worksheet table. Once you are satisfied that the rule works correctly, you can submit it and then later approve it.

Rules are executed each time you choose to run the re-total or the audit process using the ReSA user interface.

This chapter contains the following topics to help you understand and manage audit rules in ReSA:

- [Understanding the Rules Definition Wizard](#)
- [Managing Rules](#)

### Understanding the Rules Definition Wizard

The Rules Definition Wizard allows you to create and update a rule definition. Each window in the wizard has a text box to the right that displays help text for each field.

### Defining Basic Information for Rules

The Rule Overview window allows you to define basic information for a rule. You can enter the following information using the Rule Overview window:

Field	Description
Rule	A unique ID and a description for the rule.
Start Date and End Date	The period for which the rule is active.
Status	The status (Worksheet, Approved, Submitted, Disabled, or Deleted) of the rule.
Version	The revision number for the rule. The revisions are tracked by the system.

Field	Description
Update ID	User ID of the person who updates the rule. This field is recorded by the system and you cannot edit it.
Update Date/Time	The date and time when the rule was last updated.
Stop all other rule processing for the store/day	Use this field for rules that determine whether basic data exists for a store/day. For example, there can be a rule that determines whether a basic piece of data is missing. In case the basic information is missing, it would not make sense to continue flagging errors that confuses the auditor.
Execute Order	Use this field to determine the order in which rules are processed. Rules are placed into various execute groups. Within groups, rules are executed in alphabetical order.
Use wizard to create this rule	Use this field to specify whether you are defining the rule using the rule definition wizard, or through a manually written rule definition function.
Evaluated at the store or system balancing level	Use this field to specify whether the rules are evaluated at store, register, or cashier level.

## Defining Rule Characteristics

The Rule Characteristics window allows you to define characteristics of the rule.

Field	Description
Presence or Absence	Specify whether the rule triggers an error when a constraint condition is met (presence) or when the data does not exist in the data set (absence).
Record Type	Specify the kind of record that errors are associated with.
Error	You can choose to associate any predefined errors with the rule. You can view details about all errors by clicking the <b>Error Details</b> button.

## Defining Realms and Joins

The Realms window allows you to add existing realms (tables) to the rule. The list of available realms is displayed in the window, this list also includes the views created for each total.

Availability of realms to be added to the rule is determined by whether possible joins exist with the realms that are already added to the rule definition.

In general, you should add the general/parent tables, and then add the specific/child tables. If at any time, a realm that you want to use is unavailable, you should remove the realms already added to the rule, and try again in another order.

The Joins window displays how the realms are joined together. These joins are based on metadata defined in the system.

## Defining Parameters

The Parameters window allows you to choose the parameters for the rule. You can only choose parameters (columns) that are available in one of the realms that were

previously added to the rule. You should add all parameters that you need to use in defining the constraint conditions on the rule. The system uses the parameters needed to log the errors against the correct day and record type.

Begin by choosing one of the realms. The parameter list then displays a list of all of the parameters (columns) that belong to the selected realm (table/view). You must choose the parameter that you need to count or sum and any other parameters that may be used to limit the data set.

## Defining Restrictions

The Restrictions window allows you to limit the data set that is included in the rule. You can only define these restrictions (constraint conditions) using the parameters that were previously added to the rule.

## Defining Location Traits

The Location Traits window allows you to associate rules with location traits which link a group of stores. Once the association is specified, the rule is applied only for those stores. If the rule is based on a total, you can execute the rule only for stores for which the total is calculated.

## Managing Rules

You can use the following procedures to manage audit rules in ReSA:

- [Creating Rules Calculation Definition](#)
- [Viewing Rules Calculation Definition](#)
- [Editing Rules Calculation Definition](#)
- [Changing the Status of Rules Calculation Definition](#)

## Creating Rules Calculation Definition

To create a rules calculation definition:

1. From the main menu, select **Action > Sales Audit > Control > Audit Rule Maintenance**. The Audit Rule Search window appears.
2. From the **Action** menu, select **New** to create a new rule definition.
3. Click **OK**. The Rules Calculation Definition Wizard appears.
4. In the **Rule** field, enter the ID and description of the rule definition.
5. In the **Start Date** and **End Date** fields, enter the dates for which the rule definition is effective.
6. Click **Next** to navigate through the wizard. For more information, see [Understanding the Rules Definition Wizard](#).
7. Click **Finish** to create the rule calculation definition.

## Viewing Rules Calculation Definition

To view a rules calculation definition:

1. From the main menu, select **Action > Sales Audit > Control > Rules Definition Maintenance**. The Audit Rules Search window appears.

2. From the **Action** menu, select **View**.
3. Enter additional criteria as desired to make the search more restrictive.
4. Click **Search**. The rules that match the search criteria are displayed in the Audit Rule Search window.
5. If you want to view the details of any rules definition, select the rule definition and click **OK**. The Rules Definition Wizard appears. You can only view all the details of the rules definition in this window.
6. Click **Close** to close the search window. Alternatively, click **Cancel** to close the wizard without saving your changes.

## Editing Rules Calculation Definition

To edit a rules calculation definition:

1. From the main menu, select **Action > Sales Audit > Control > Rules Definition Maintenance**. The Audit Rules Search window appears.
2. Search for and retrieve the rules calculation definition in Edit mode. The Rules Calculation Definition Wizard window appears.
3. In the **Skip to Page** field, select the panel you want to edit.
4. Once the changes are complete, click **Finish** to save your changes and close the window.

## Changing the Status of Rules Calculation Definition

You can change the status of the rules calculation definition based on the following actions:

- **Submit for approval**  
You can submit a rule calculation definition using the **Submit** option.
- **Approve a rules calculation definition**  
Once a rules calculation definition is submitted for approval, you can approve it by changing the status of the rule to **Approve**.
- **Disable a rules calculation definition**  
You can disable a rule calculation definition by changing the status to **Disable**.
- **Delete a rules calculation definition**  
You can delete a rules calculation definition by changing the status to **Delete**.

To change the status of a rules definition calculation:

1. From the main menu, select **Action > Sales Audit > Control > Rules Definition Maintenance**. The Audit Rules Search window appears.
2. Search for and retrieve the rules calculation definition in Edit mode. The Rules Calculation Definition Wizard window appears.

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**Note:** While submitting a rules calculation definition for approval, restrict the search to the rules in **Worksheet** status.

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3. From the **Options** menu, select **Status > Submit, Approve, Disable, or Delete**. You are prompted for confirmation.
4. Click **Yes**. The status is changed to Submitted, Approved, Disabled, or Deleted respectively.
5. Click **OK** to save your changes and close the window.



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## Auditing Transactional Data

This chapter explains the auditing process in detail and provides procedures to assist you while auditing transactional data. The process flow for auditing is as follows:

1. At the end of the day, transactions are transmitted from the store to the head office.
2. The transmitted transactions are loaded to the database, totaled, audited, and reviewed.
3. Any errors that are generated as part of the validation process must be corrected or overridden by both the store employee performing the review and by a headquarter auditor.
4. When the store employee completes the correction process, the store/day status is changed to Closed.
5. Now, the data is editable by the headquarter auditor, but only viewable by the store employee.
6. Once the audit is complete, the data is exported.

### **Audit process followed by a Cashier** (Only applicable for Multi-level audits)

If you are a cashier, you may have limited access to the system based on the security configuration. You may have visibility to the data (that is, transaction, error, total) related to your shifts. As a cashier you are responsible to review all exception errors related to your shift and either correct or override these errors. The following is a standard auditing workflow for a cashier within ReSA:

1. Find and select the store/day containing your shift and navigate to Balancing Level Summary.  
You can view the errors that occurred in your shift in this window.
2. If any errors exist, navigate to the Error List to review and resolve or override the errors.
3. To investigate an error, you can use the following forms:
  - Transaction Detail
  - Miscellaneous Totals
  - Over/Short Totals
  - Missing Transactions

### **Auditing process followed by the Store Manager and Auditor at Headquarters**

As a store manager or an auditor at headquarters, your responsibility is to review all exception errors related to your stores and either correct or override these errors. Depending on how ReSA is used, the auditors at headquarters may be the only users

of the system or may audit store/days after the store employees have completed auditing at individual store level.

The following is a standard auditing workflow for a store manager or headquarter auditor within ReSA:

1. Find and select the store/day containing and navigate to either Balancing Level Summary or Store Day Summary.
2. If any errors exist, navigate to the Error List to review or resolve the errors.
3. To audit an error by a cashier or register, you can use the following forms:
  - Transaction Detail
  - Miscellaneous Totals
  - Over/Short Totals
  - Missing Transactions
4. You can also perform data analysis such as, reviewing the audit trails. You can use the following forms for the analysis:
  - Transaction Find
  - Item Summary
  - Tender Summary
  - Transaction Audit Trail
  - Total Audit Trail
  - Import/Export Log (available to headquarter auditors only)
  - Bank ACH Maintenance (available to headquarter auditors only)
  - Store ACH Maintenance (available to headquarter auditors only)

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**Note:** Once all errors are corrected or overridden, sales audit sets the store/day audit status to Audited. The store/day audit is then available for export to an external application.

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This chapter covers the following topics:

- [Working with the Transaction Maintenance Module](#)
- [Viewing Transaction Details of an Item Summary](#)
- [Managing a ACH Transactions](#)
- [Viewing the Store Day Transactions](#)
- [Managing a Store Audit](#)

## Working with the Transaction Maintenance Module

The Transaction Maintenance module allows you to investigate and correct errors in the POS transactions. You can review the transactions that were flagged by the automated audit process.

Transactions may have many types of errors, which need to be reviewed and corrected manually. In addition, it is also possible to review and edit the data from missing transactions or transactions that have passed the automated audit. You can delete



invalid or missing transactions from the system. Corrected transactions are exported to external systems by a batch program.

You can use the Transaction Detail window to create and edit transactions.

**Figure 6-1 Transaction Detail Window**

The screenshot shows the 'Transaction Detail' window with the following fields and values:

- ReSA Tran. No.: 2002002
- Chain: 44567891
- POS Tran. No.: 1990000042
- Status: Present
- Business Day: 27-JAN-2009
- Tran. Type: Sale
- Balance: <90.00>
- Store: 99999
- Sub-Tran. Type: Layaway Payment
- Value: 100.00
- Tran. Date/Time: 27-JAN-2009 14:15:07
- Reason Code: LAYPA (Layaway Payment)
- Currency: USD
- Payment Amt: 100.00
- Transaction Reference Info Exists:
- Transaction Uploaded from POS?:
- Total Sales: 10 Total Tenders: 10 Currency: USD

Transaction Level Customer Order Attrs:

- Customer Order No: 05002199090005
- Customer Order Date: 19-JAN-2009

Item Type	Item	Description	Unit Retail	Selling UOM	Qty.	UOM Qty.	Item Status	Total Discount	Total Retail	Total Tax	Catch Vt.	Drop Ship	Price Override?	Disc. Ref.
								0.00			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Buttons at the bottom: OK, Comments, Previous, Next, Errors, Reference, Agdt Trail, Refresh Errors, Refresh, Cancel.

## Creating a Transaction

To create a transaction:

1. From the main menu select **Action > Sales Audit > Additional Operation > Transaction Maintenance**. The Transaction Find window appears.
2. Select **Action > New**.
3. Click **OK**. The Transaction Detail window appears.
4. In the **Chain** field, enter a chain number.
5. In the **Business Day** field, enter a date, or click the calendar button and select a date.
6. In the **Tran Date/Time** field, enter the date and time the transaction occurred.
7. In the **POS Tran Number** field, enter the point of sale ID where the transaction occurred.
8. In the **Tran Type** field, enter the type of transaction you are creating.

---

**Note:** Depending on the type of transaction you select, additional fields are enabled. Enter the appropriate information in the enabled fields.

---

9. Add any of the following details to the transaction as needed:
  - Items to a transaction.

- Discount to the item on a transaction.
  - Tender records to a transaction.
  - Customer information to a transaction.
  - Paid out details to a transaction.
10. Click **OK** to save your changes and close the window.

## Adding Item Information to a Transaction

You can use the following procedures to add item information to a transaction.

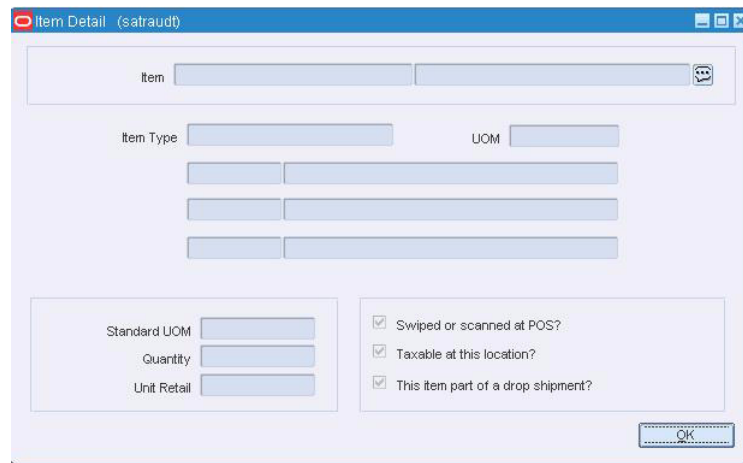
### To add an item to a transaction

1. Click **Add**.
2. Select or enter the item type.
3. Enter the item ID. Details such as **Unit Retail**, **Selling UOM** are defaulted & can be overridden.
4. Enter details such as **Quantity** and **Item Status**.
5. Click **OK** to save your changes and close the window.

### To add item details

1. Click **Item Detail**. The Item Detail window appears.

**Figure 6–2** *Item Detail Window*



2. Select or clear the Swiped or Scanned at POS? check box.
3. Select or clear the Taxable at this Location? check box.
4. Click **OK** to save your changes and close the window.

### To add a return reason to an item

1. Click **Return Reason**. The Return Reason window appears.

**Figure 6–3 Return Reason Window**

2. In the **Return Reason Code** field, select the return reason code.
3. Click **OK** to save your changes and close the window.

#### To add price override information to a transaction

1. Click **Price Override**. The Return Reason window appears.
2. In the **Override Reason** field, enter the override reason.
3. In the **New Unit Retail Price** field, enter the new price.
4. Click **OK** to save your changes and close the window.

#### To add item discounts to a transaction

1. Click **Disc Detail**. The Discount Detail window appears.

**Figure 6–4 Discount Detail Window**

Component Type	Promotion	Promotion Name	Promotion Component	Discount Type	Coupon Number	Qty.	UOM	Disc. UOM	Unit Disc. Amount	Total
										9.00

Standard Unit of Measure Conversions

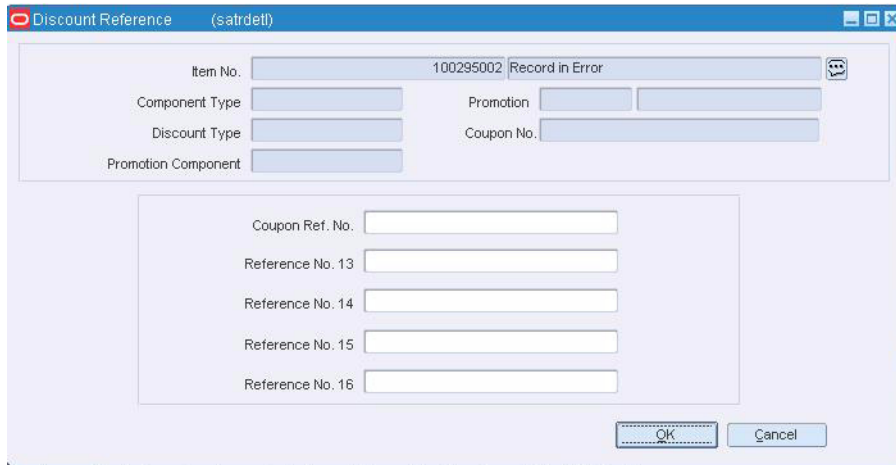
Standard UOM:  Quantity:  Unit Discount Amount:

2. In the **RMS Promo Type** field, select the type of promotion or discount you are creating.
  - If you are creating a promotion, in the **Promotion** field, enter the promotion.
  - If you are creating a discount, from the **Discount Type** field, select the type of discount that you want to apply to the item.
3. In the **Promotion Component** field, edit the component of the promotion as necessary.
4. In the **Coupon Number** field, enter the ID of the promotion or discount.
5. In the **Qty** field, enter the quantity for the discount.
6. In the **Unit Disc Amount** field, enter the amount of the discount.

**To add reference information to an item discount**

1. On the Discount Detail window, click **Reference**. The Discount Reference window appears.

**Figure 6–5 Discount Reference Window**

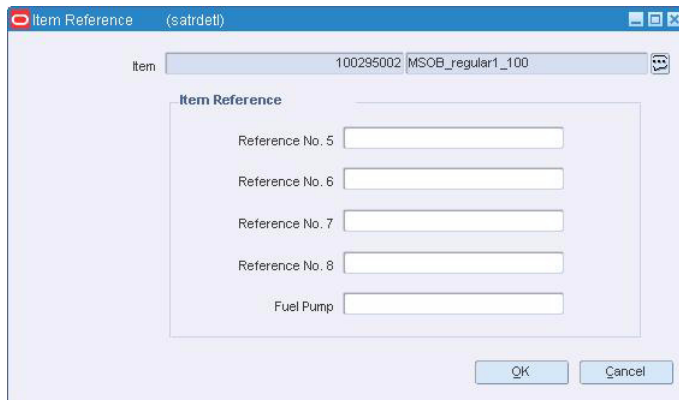


2. Add the appropriate reference information.
3. Click **OK** to save your changes and close the window.

**To add item reference information**

1. Click **Item Ref.** The Item Reference window appears.

**Figure 6–6 Item Reference Window**



2. Enter references in the Reference fields as necessary.
3. Click **OK** to save your changes and close the window.

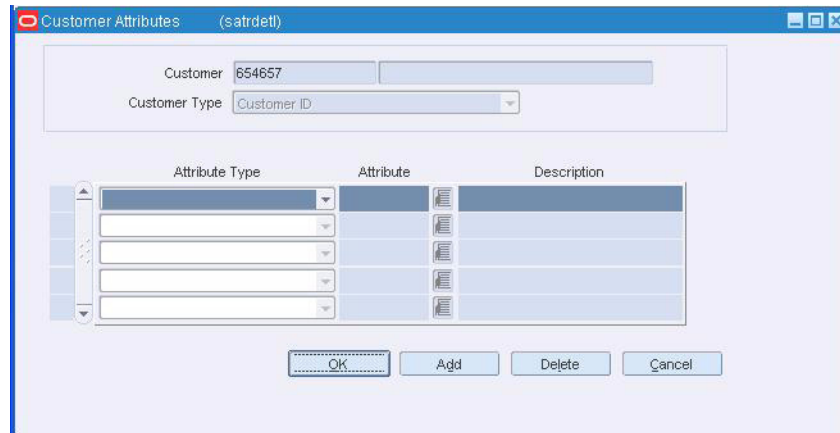
**To add customer order information to an item**

1. Click **Cust Ord Attr.** The Customer Order Attributes window appears.

---

**Note:** This button is available only if the item is Direct Ship or the sale was from the warehouse to the consumer.

---

**Figure 6–7 Customer Order Attributes Window**

2. Update the fields as required.
3. Click **OK** to save your changes and close the window.

## Navigating through the Transaction Detail Window

You can use the following elements on the Transaction Detail window to navigate and view more details.

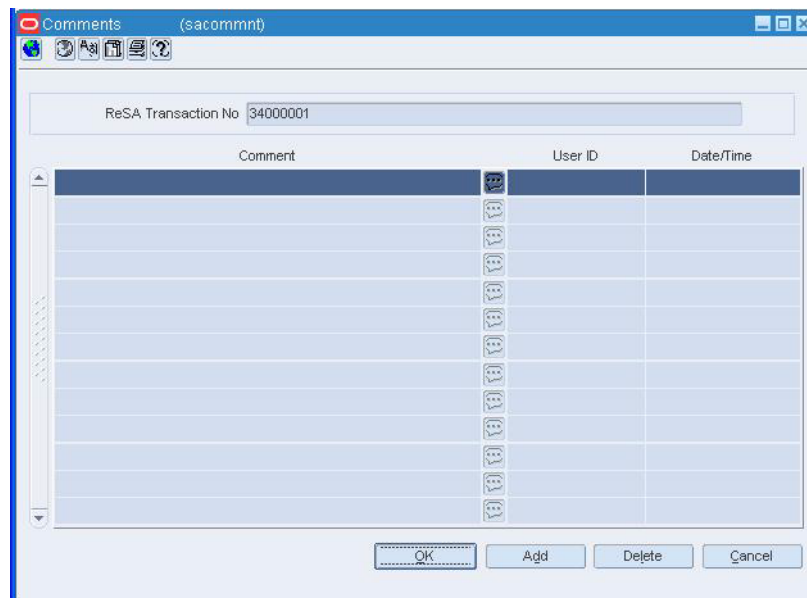
### Navigating between transactions

Click **Previous** to view transactions before the current one.

Click **Next** to view transaction that occurred after the current one.

### To add comments

1. Click **Comments**. The Comments window appears.

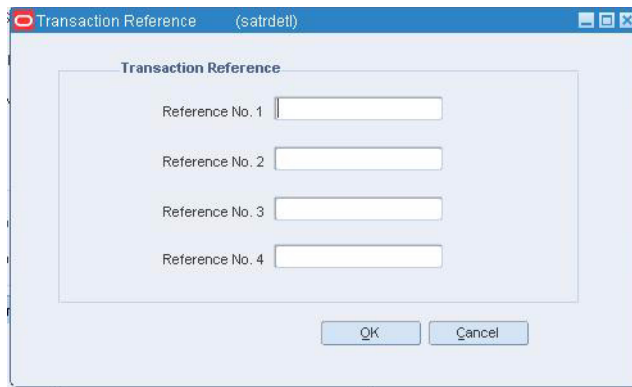
**Figure 6–8 Comments Window**

2. Click **Add**. The next line on the table is enabled.
3. Enter your comments.
4. Click **OK** to save your changes and close the window.

**To add reference information to a transaction**

1. Click **Reference**. The Header Reference window appears.

**Figure 6–9 Header Reference Window**



2. In the **Reference** fields, edit the reference information as needed.
3. Click **OK** to save your changes and close the window.

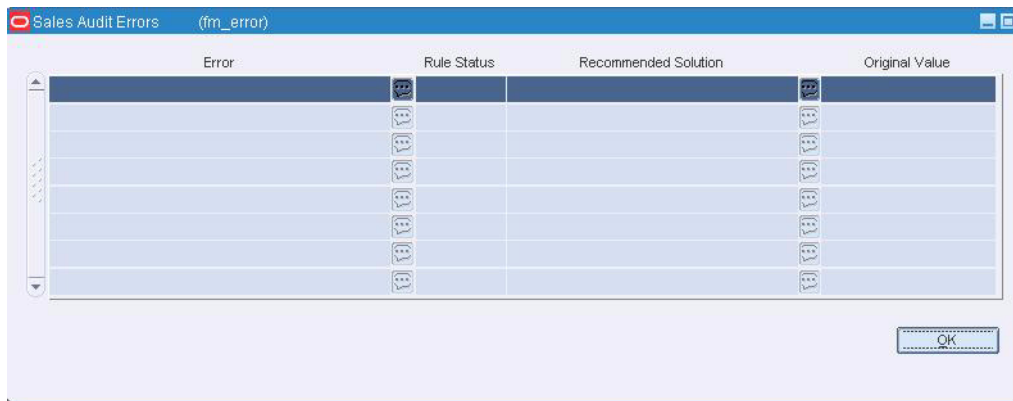
**To refresh the errors**

1. Click **Refresh Errors**.
2. The errors are refreshed taking into account any updates that were made to the transaction.

**To view errors associated with a transaction**

1. Click the **!Errors** button. The Sales Audit Errors window appears.

**Figure 6–10 Sales Audit Errors Window**



2. Click **OK** to close the window.

## To view audit trails

1. Click **Audit Trail**. The Transaction Audit Trail window displays an audit trail of all revisions to the transaction.

**Figure 6–11 Transaction Audit Trail Window**

The screenshot shows the 'Transaction Audit Trail' window for transaction ReSA Tran. No. 30002002. The window is divided into two main sections. The top section is a table of revisions, and the bottom section is an 'Items' table.

Rev.	Err?	Updated By	Update Date/Time	Tran. Date/Time	Tran. Type	Store	Store Name	Business Day	Balance	Sub. Tran. Type	POS Tran No.
1	No	RMSSE121T	12-DEC-2007 03:18:53	02-DEC-2007 00:00:00	Loan	2000000000	MSOB_Store2_OL	02-DEC-2007	1,000.00	Incident Payout	0
2	No	RMSSE121T	12-DEC-2007 21:47:16	02-DEC-2007 00:00:00	Loan	2000000000	MSOB_Store2_OL	02-DEC-2007	1,000.00	Incident Payout	0

Item Type	Item	Description	Unit Retail	Selling UOM	Qty.	UOM Qty.	Item Status	Ind.	Ovr.	Disc.	Ref.	Total Retail
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.00
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.00

Buttons at the bottom: Item Detail, Return Reason, Price Overrides, Reference, Disc. Detail, Item Rev., OK.

2. Click **OK** to close the window.

## Adding Tender Information to a Transaction

To add tender information to a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window appears.
2. Search for and retrieve a transaction in Edit mode. The Transaction Detail window appears.
3. On the Transaction Detail window, select the **Tender** tab.
4. Click **Add**.
5. In the **Tender Type Group** field, select the tender type group.
6. In the **Tender Type** field, select the tender type.
7. In the **ID Number** field, enter the ID number of the tender.
8. If you selected a type of card payment in the **Tender Type Group** field the **Card Detail** tab is enabled:
  - a. Click **Card Details**. The Credit Card Details window appears.
  - b. In the **Authorization No** field, enter the authorization for use ID.
  - c. In the remaining fields, select the information needed.
  - d. Click **OK** to save your changes and close the window.
9. If you selected a type of voucher payment in the **Tender Type Group** field:
  - a. Click **Voucher Details**.

- b. If necessary, in the **Exp Date** field, enter the date of expiry of the voucher.
  - c. Click **OK** to save your changes and close the window.
10. To add user-defined reference information to a type of tender:
- a. Click **Reference**. The Tender Reference window appears.

**Figure 6–12 Tender Reference Window**

- b. Enter the required data in the Reference fields.
  - c. Click **OK** to save your changes and close the window.
11. Click **OK** to save your changes and close the window.

## Adding Customer Information to a Transaction

To add customer information to a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window is displayed.
2. Search for and retrieve a transaction in Edit mode. The Transaction Detail window appears.
3. On the Transaction Detail window, select the **Customer** tab.
4. In the **ID Type** field, select the source of the customer information.
5. In the **ID No** field, enter the ID from the source document selected in the **ID Type** field.
6. In the remaining fields, enter the name and the address information for the customer.



**Figure 6–13 Transaction Detail Window - Customer Tab**

Transaction Detail (satrdetf)

ReSA Tran. No. 13500001 Chain 1 Chain 1 test POS Tran. No. 0

Status Present Business Day 23-SEP-2011 Tran. Type Sale

Balance 0.00 Store 2312 Abhi EIT store 2 Sub-Tran. Type Sale

Value 11.50 Tran. DateTime 23-SEP-2011 00:00:00 Reason Code

Transaction Uploaded from POS?  Transaction Reference Info Exists  Currency USD

Credit Promotion Id

Payment Amt

Transaction Level Customer Order Attrs

Banner Id 1 Test Banner Customer Order No Customer Order Date

Items Tender **Customer** Exported Employees Paid Out Details

Identification Type Customer ID Identification No. 1111

Name Address Line 1

Work Phone Address Line 2

Home Phone City

E-mail State

Birthdate Postal Code Country

Attributes Exist  Attributes Delete

OK Comments Previous Next Errors Reference Audit Trail Refresh Errors Refresh Cancel

7. Click **Attributes**. The Customer Attributes window appears.

**Figure 6–14 Customer Attributes Window**

Customer Attributes (satrdetf)

Customer 654657

Customer Type Customer ID

Attribute Type	Attribute	Description

OK Add Delete Cancel

8. In the **Attribute Type** field, select the attribute type.

9. In the **Attribute** field, enter an attribute. The **Description** field is populated with the description of the attribute.

10. Click **OK** to save your changes and close the window.

## Adding Paid Out Details to a Transaction

To add paid out details to a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window is displayed.
2. Search for and retrieve a transaction in Edit mode. The Transaction Detail window appears.
3. On the Transaction Detail window, select the **Paid Out Details** tab.

4. In the **Vendor** field, enter a vendor number.
5. In the **Vendor Invoice Number** field, enter a vendor invoice number.
6. In the **Proof of Delivery Number** field, enter a proof of delivery number.
7. In the Payment Reference Number field, enter a payment reference number.
8. Click **OK** to save your changes and close the window.

## Viewing a Transaction

To view a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window appears.

**Figure 6–15 Transaction Find Window**

2. In the **Action** field, select **View**, **Edit**, or **Post Void**.
3. Enter additional search criteria to make the search more restrictive.
4. Click **Search**. The transactions that match the search criteria appear.
5. To view or edit transaction details, select a record and click **OK**. The Transaction Detail window appears.
6. Click **Close** to close the window.

## Viewing a Transaction Data

To view data for a sales action transaction:

1. From the main menu, select **Action > Sales Audit > Sales Action Transaction Data View**. The Sales Audit Transaction Data window appears.
2. Enter search criteria to narrow the list of deals.
3. Click **Search**. The list box populates with the data that matches the search criteria.
4. Select a transaction.
5. Click **Detail** to open the Sales Audit Transaction Detail Data window, where you can print the Accounting Entry Detail Report for Sales Audit Data report.

6. Click **Close** to exit the Sales Action Transaction Data window.

## Viewing an Item Reference

To view an item reference in a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window appears.
2. Search for and retrieve a transaction in View mode. The Transaction Detail window appears.
3. Select the **Items** tab.
4. Click **Item Ref.** The Item Reference window appears.
5. Click **OK** to close the window.

## Viewing Item Details in a Transaction

To view item details in a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window appears.
2. Search for and retrieve a transaction in View mode. The Transaction Detail window appears.
3. Click **Item Detail**. The Item Detail window appears.
4. Click **OK** to close the window.

## Viewing the Transaction Reference

To view the transaction reference:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window appears.
2. Search for and retrieve a transaction in View mode. The Transaction Detail window appears.
3. Click **Reference**. The Transaction Reference window appears.
4. View item transaction details.
5. Click **OK** to close the window.

## Viewing Export Information for a Transaction

To view export information for a transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Transaction Maintenance**. The Transaction Find window is displayed.
2. Search for and retrieve a transaction in View mode. The Transaction Detail window appears.
3. On the Transaction Detail window, select the **Exported** tab.

The Exported tab displays the names and time of any transaction that was exported to other systems.

4. Click **OK** to close the window.

## Viewing Transaction Details of an Item Summary

To view transaction details of an item summary:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Summary > Item Summary > View**.

The Sales Audit Item Summary window appears.

2. Search for and retrieve an item summary. Select a transaction record to view.
3. Click **Tran Detail**. The Transaction Detail window appears.
4. Click **OK** to close the window.

## Managing a ACH Transactions

The Automated Clearing House (ACH) Maintenance module allows you to declare and manage how much money is deposited in local bank accounts. ACH maintenance allows Headquarter (HQ) users to manage how money moves from local bank accounts to centralized bank accounts. You can manage ACH transactions using the following procedures.

### Viewing Bank ACH Transactions

To view bank ACH transactions:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Bank ACH Maintenance > View**. The Bank ACH Maintenance window appears.

**Figure 6–16 Bank ACH Maintenance Window**

The screenshot shows the 'Bank ACH Maintenance' window with a table of transactions and a form below it. The table has columns for Bank, Bank Description, Bank Acct. No., Business Day, Next Day Manual ACH Adj., Next Day ACH Amount, and Currency (Partner). The form below the table has fields for Bank, Bank Acct. No., Business Day, Next Day Manual ACH Adj., Currency, and Next Day ACH Amount, along with buttons for Apply, Delete, OK, Add, Store Details, and Cancel.

Bank	Bank Description	Bank Acct. No.	Business Day	Next Day Manual ACH Adj.	Next Day ACH Amount	Currency (Partner)
1210	MSOB Bank	123456	08-DEC-07	10.00		USD
1211	MSOB bank for EUR	765439	08-DEC-07	10.00		EUR
1211	MSOB bank for EUR	765439	02-DEC-07		497.2404	EUR

Form fields and buttons:

- Bank: 1210, MSOB Bank
- Bank Acct. No.: 123456
- Business Day: 08-DEC-07
- Next Day Manual ACH Adj.: 10.00
- Currency: USD (Partner)
- Next Day ACH Amount: [Empty]
- Buttons: Apply, Delete, OK, Add, Store Details, Cancel

2. To change the sort order by bank, business day, or bank account, click **Bank**, **Business Day**, or **Bank Account**.

3. To filter by bank, enter a bank number in the bank field and click **Filter**.
4. To filter by bank account number, enter an account number in the **Bank Acct. No** field and click the filter button.
5. To filter by business day, enter a date in the **Business Day** field and click **Filter**.
6. Click **OK** to close the window.

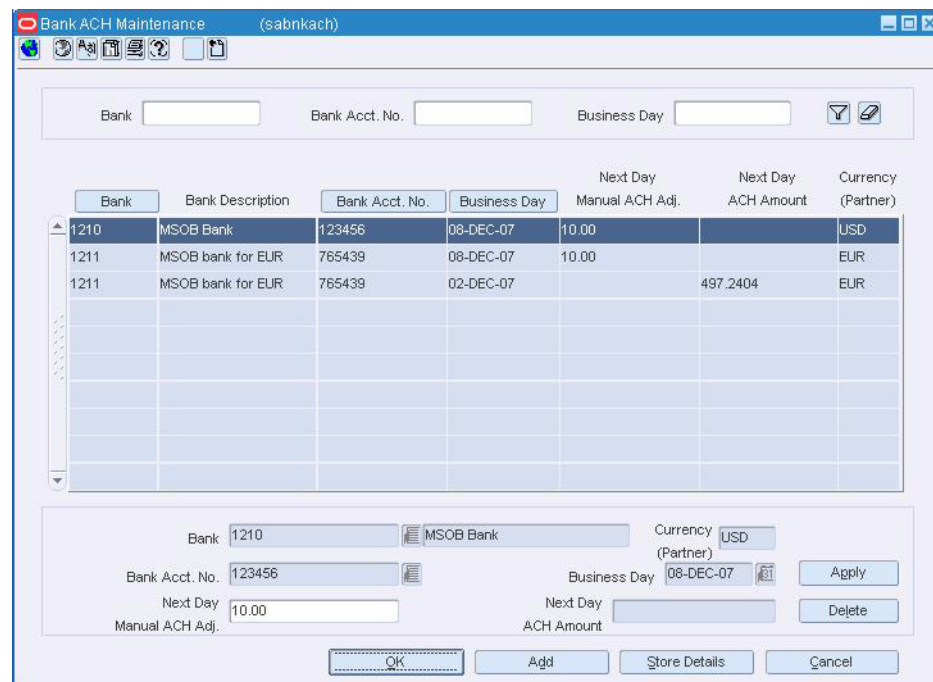
## Adding a Bank ACH Transaction Amount

To add a bank ACH transaction amount:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Bank ACH Maintenance > Edit**.

The Bank ACH Maintenance window appears.

**Figure 6-17 Bank ACH Maintenance Window**



**Note:** To change the sort order by bank, business day, or bank account, click Bank, Business Day, or Bank Account.

2. Click **Add**.
3. In the **Bank** field, enter the bank ID.
4. In the **Bank Acct No** field, enter a bank account number.
5. In the **Next Day Manual ACH Adjustment** field, enter an amount.
6. In the **Business Day** field, enter a business day, or click the calendar button and select the date.
7. Click **Apply**.
8. Click **OK** to save your changes and close the window.

## Deleting a Bank ACH Transaction Amount

To delete a bank ACH transaction amount:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Store ACH Maintenance > Edit**. The Store ACH Maintenance window appears.

**Figure 6–18 Bank ACH Maintenance Window**

The screenshot shows the 'Bank ACH Maintenance' window with the following data in the table:

Bank	Bank Description	Bank Acct. No.	Business Day	Next Day Manual ACH Adj.	Next Day ACH Amount	Currency (Partner)
1210	MSOB Bank	123456	08-DEC-07	10.00		USD
1211	MSOB bank for EUR	765439	08-DEC-07	10.00		EUR
1211	MSOB bank for EUR	765439	02-DEC-07		497.2404	EUR

Below the table is a form with the following fields and values:

- Bank: 1210 (MSOB Bank)
- Bank Acct. No.: 123456
- Business Day: 08-DEC-07
- Next Day Manual ACH Adj.: 10.00
- Next Day ACH Amount: (empty)
- Currency: USD (Partner)

Buttons at the bottom include: OK, Add, Store Details, Delete, and Cancel.

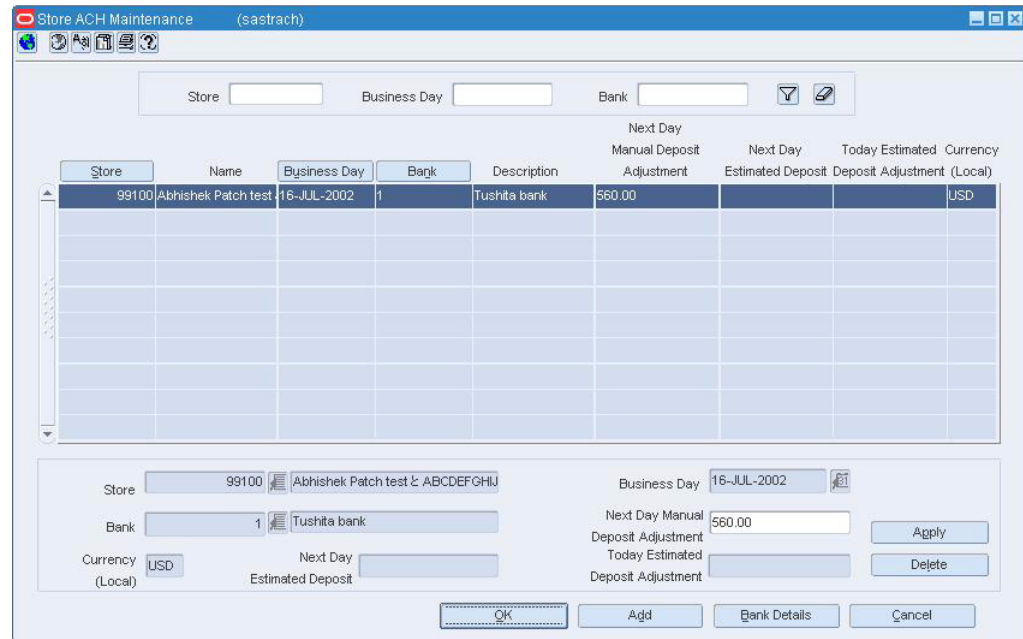
2. Select the record.
3. Click **Delete**.
4. Click **Yes** to confirm deletion.
5. Click **OK** to save your changes and close the window.

## Viewing a Store Bank ACH Transaction

To view a store bank ACH transaction:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Store ACH Maintenance > View**. The Store ACH Maintenance window appears.

**Figure 6–19 Store ACH Maintenance Window**



**Note:** To filter the list of transactions by store, by business day, or by bank, enter a store name, a business date, or a bank name in the appropriate filter field and click the Filter button.

2. Click **Bank Details**. The Bank ACH Maintenance window appears.

**Note:** To change the sort order by store, business day, or bank, click **Store, Business Day, or Bank**.

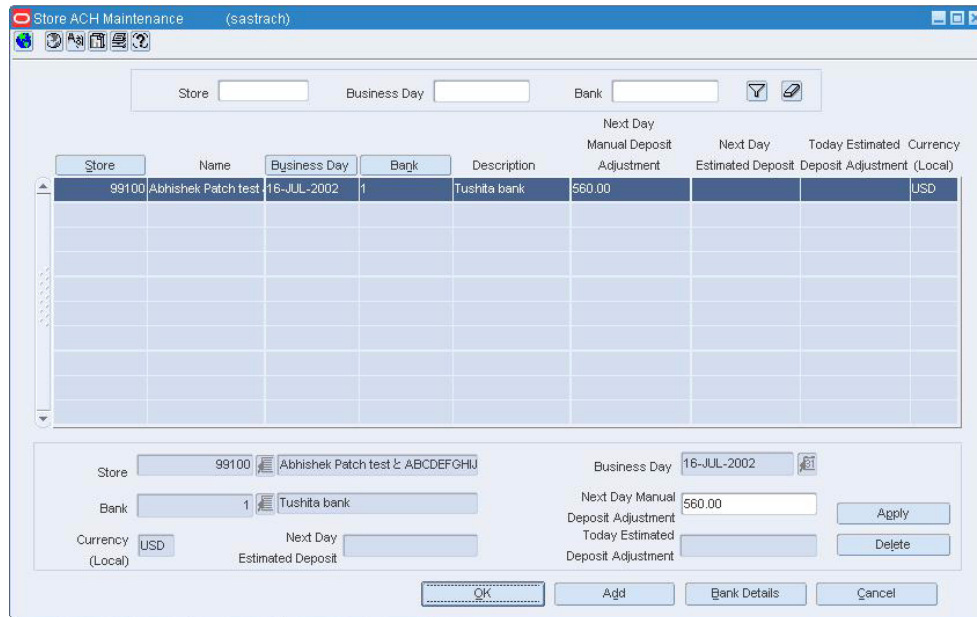
3. Click **OK** to close the window.

## Adding a Store ACH Transaction Amount

To add a store ACH amount:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Store ACH Maintenance > Edit**. The Store ACH Maintenance window appears.

**Figure 6–20 Store ACH Maintenance Window**



2. Click **Add**.
3. In the **Store** field, enter a store ID.
4. In the **Bank** field, enter a bank ID.
5. In the **Business Day** field, enter a business day.
6. In the **Manual Deposit Adjustment** field, enter an amount.
7. Click **Apply**.
8. Click **OK** to save your changes and close the window.



## Deleting a Store ACH Transaction Amount

To delete a store ACH transaction amount:

1. From the main menu, select **Action > Sales Audit > Additional Operations > ACH Maintenance > Store ACH Maintenance > Edit**. The Store ACH Maintenance window appears

**Figure 6–21 Store ACH Maintenance Window**

The screenshot shows the 'Store ACH Maintenance' window. At the top, there are input fields for 'Store', 'Business Day', and 'Bank'. Below these is a table with the following columns: Store, Name, Business Day, Bank, Description, Next Day Manual Deposit Adjustment, Next Day Estimated Deposit, Today Estimated Deposit Adjustment (Local), and Currency. The table contains one record with the following data:

Store	Name	Business Day	Bank	Description	Next Day Manual Deposit Adjustment	Next Day Estimated Deposit	Today Estimated Deposit Adjustment (Local)	Currency
99100	Abhishek Patch test	16-JUL-2002	1	Tushita bank	560.00			USD

Below the table, there are more input fields for 'Store', 'Bank', 'Currency', 'Business Day', 'Next Day Manual Deposit Adjustment', 'Next Day Estimated Deposit', and 'Today Estimated Deposit Adjustment'. At the bottom, there are buttons for 'OK', 'Add', 'Bank Details', and 'Cancel'.

2. Select a record.
3. Click **Delete**.
4. Click **Yes** to confirm deletion.
5. Click **OK** to save your changes and close the window.

## Viewing the Store Day Transactions

Use the Audit Trail Module to view changes to the Store Day and give you an overview of item and tender transactions that occur for a Store Day. Audit trails allow you to view the revisions made to a transaction or a total. Summaries allow you to view the transactions that occurred on a Store Day.

After modifying the information for a Store Day, you can view the information through audit trails or summaries. After you view the summaries, you can return to the Transaction Maintenance module to update any outstanding issues you find while reviewing the Store Day. For more information on working with the Transaction Maintenance module, see [Working with the Transaction Maintenance Module](#)

## Searching for a Transaction Audit Trail

To search for a transaction audit trail:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Audit Trail > Transaction Audit Trail**. The Transaction Audit Trail Find window appears.

**Figure 6–22 Transaction Audit Trail Find Window**

2. In the **Chain** field, enter the ID of the chain.

---

**Note:** If a default chain was specified in the System Options window, a default chain is displayed in the **Chain** field.

---

3. Enter additional search criteria as desired to make the search more restrictive.
4. Click **Search**. The Transaction Audit Trail Find window displays the transaction records that match the search criteria in a table.

---

**Note:** You can sort the transactions by transaction number or by transaction date and time by clicking the sort buttons.

---

5. Select a transaction.
6. Click **OK** to close the window.

## Viewing the Transaction Audit Trail

To view the transaction audit trail:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Audit Trail > Transaction Audit Trail**.
2. Search for and retrieve a transaction audit trail. The Transaction Audit Trail Find window appears.

**Figure 6–23 Transaction Audit Trail Find Window**


---

**Note:** You can view the default, saved, custom, or reference information for the revisions. Select the appropriate command from the **View** menu.

---

3. Select a total from the table.
4. To view the details of a revised transaction:
  - a. Select the revision record.
  - b. Click **Revision Details**. The details appear on the tabs.
    - Select the Items tab for item details.
    - Select the Tender tab for tender details.
    - Select the Export tab for export details.
    - Select the Employees tab for employee details.
    - Select the Paid Out Details tab for details about vendor payments.
5. To view all revisions in detail:
  - **Item level:** On the Items tab, select an item and click **Item Rev's**. The Item Revision window appears.
  - **Discount level:** On the Items tab, select an item and click **Disc Detail**. On the Item Discount window, click **Discount Rev**. The Discount Revisions window appears.
  - **Tender level:** On the Tender tab, select a tender and click **Tender Rev**. The Tender Revisions window appears.
  - **Export level:** On the Export tab, click **Export Rev**. The Export Revision History window appears.
6. Click **OK** to close the window.

## Searching for a Totals Audit Trail

To search for a totals audit trail:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Audit Trail > Totals Audit Trail**. The Totals Audit Trail Find window appears.

**Figure 6–24 Totals Audit Trail Find Window**

2. In the **Chain** field, enter the chain number.

---

**Note:** If a default chain was specified in the System Options window, a default chain is displayed in the **Chain** field.

---

3. Enter additional criteria to make the search more restrictive.
4. Click **Search**. The Totals Audit Trail Find window appears.
5. Select a total.
6. Click **OK** to close the window.

## Viewing the Totals Audit Trail

To view the totals audit trail:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Audit Trail > Total Audit Trail**.
2. Search for and retrieve a totals audit trail. The Totals Audit Trail Find window appears.
3. Select a total from the table. Click **OK**. The Sales Audit Totals Audit Trail window appears.

**Figure 6–25 Totals Audit Trail Find Window**

The screenshot shows a software window titled "Total Search Window (satifind)". At the top, there is a toolbar with several icons. Below the toolbar is an "Action" dropdown menu. The main content area contains several search criteria fields arranged in two columns. The left column includes: "Total" (text input), "Revision Number" (text input), "Update ID" (text input), "Effective from" (date input), "Total Category" (dropdown), and "Data Source" (dropdown). The right column includes: "Status" (dropdown), "Through" (date input), and "Total Type" (dropdown). At the bottom of the window, there are five buttons: "OK", "Search", "Refresh", "Back", and "Close".

4. From the **Options** menu, select **Exported Revisions**. The Exported Revision window appears.
5. Click **OK** to close the windows.

## Searching for an Item Summary

To search for an item summary:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Summary > Item Summary > Edit**. The Sales Audit Item Summary window appears.

**Figure 6–26** Sales Audit Item Summary Window

2. In the **Business Day** field, enter a business day, or click the calendar button and select the date.
3. In the **Store** field, enter a store number.
4. In the **Item Type** field, select an item type.
5. In the **Item** field, enter an item number.
6. Click **Search**. The table displays the items that match the search criteria.
7. Click **OK** to save your changes and close the window.

## Searching for Tender Summary Information

To search for tender summary information:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Summary > Tender Summary**. The Tender Summary window appears.

**Figure 6–27 Tender Summary Window**

The screenshot shows the 'Tender Summary' window with the following components:

- Search Criteria:**
  - Chain: Text field with a search icon.
  - Store: Text field with a search icon.
  - Business Day: Text field with a calendar icon.
  - Tender Type Group: Dropdown menu.
  - Tender Type ID: Text field with a search icon.
  - Card Number: Text field.
  - Tender Amount Range: From Amount and To Amount text fields.
  - Currency: Dropdown menu.
  - Search: Button.
- Filter By:**
  - Tender Type Group: Dropdown menu.
  - Tender Type ID: Text field.
  - Tender Amount: Text field.
  - Filter icons: Funnel and edit icons.
- Data Table:**

POS Tran. No.	Tran. Type	Tender Type Group	Tender Type ID	Tender Type Desc.	Tender Amount	CC Entry Mode
- Buttons:** OK, Tran. Detail, Refresh.

2. In the **Chain** field, enter a valid chain ID.
3. In the **Store** field, enter a valid store ID.
4. In the **Business Day** field, enter a valid business day, or click the calendar button and select a business day.
5. To narrow your search, enter or select values in additional search fields.
6. Click **Search**. The data matching your search criteria appears.
7. To view details on any row, select the row and click **Tran Detail**.
8. Click **OK** to close the window.

## Viewing the Exported Revisions

To view the exported revisions:

1. From the main menu, select **Action > Sales Audit > Additional Operations > Audit Trail > Totals Audit Trail**.
2. Search for and retrieve a totals audit trail. The Totals Audit Trail Find window appears.
3. Select a total from the table.
4. Click **OK**. The Sales Audit Totals Audit Trail window appears.
5. Select a total revision.
6. From the **Options** menu, select **Exported Revision**. The Exported Revision window appears.
7. Click **OK** to close the windows.

## Managing a Store Audit

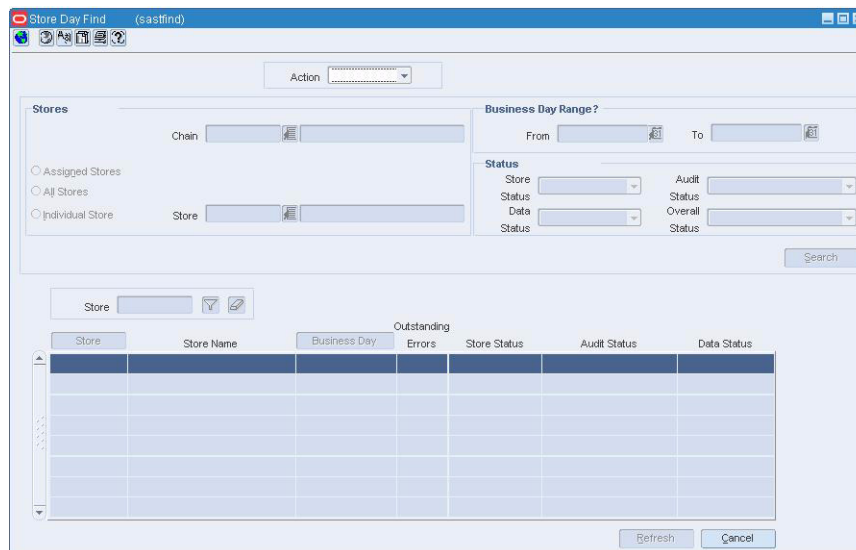
You can perform various operations on a store day using the following procedures.

### Searching for a Store Day

To search for a store day:

1. From the main menu, select **Action > Sales Audit > Store Close/Audit**. The Store Day Find window appears.

**Figure 6–28 Store Day Find Window**



2. In the **Action** field, select either **Edit** or **View**.
3. In the **Store** field, select a store.
4. In the **Business Day Range**, select a date.
5. In the status area, select varying status criteria.

Valid **Store Status** are:

- **Worksheet** - Once a store is defined as a multi-level audit store, the store is entered in as a **Worksheet** status. You can delete the store/day in this status.
- **Fuel Closed** - This status is only used for fuel stores that export to the fuel management system. Stores are entered in a **Worksheet** status; however, the audit cannot begin until the day is closed in the fuel management system first. When this is done, the system updates the status to **Fuel Closed**. You can delete the store/day in this status.

---

**Note:** Fuel management system sends a file signifying that the store transactions are processed and reconciled. This signifies Fuel Closed and enables the data to be worked on.

---

- **Closed** - In a multi-level audit scenario, the store employee must close the store day once all errors are corrected or overridden. This updates the store status to **Closed** and makes the store/day available to the HQ auditor. In a



single level audit scenario where only HQ auditors use ReSA, the store is entered in a **Closed** status. You cannot delete the store/day in this status.

- **Not Fully Closed** - Not a valid Store Status, but rather a combination of store statuses to use as a query mechanism on the Store Day Find form. It is a combination of the **Worksheet** and **Fuel Closed** statuses.

Valid **Data Status** are:

- Ready for Import
- Loading
- Partially Loaded
- Fully Loaded
- Purged

Valid **Audit Status** are:

- Unaudited
- Store Errors Pending
- HQ Errors Pending
- Re-Totalling/Auditing Required
- Totaled
- Audited

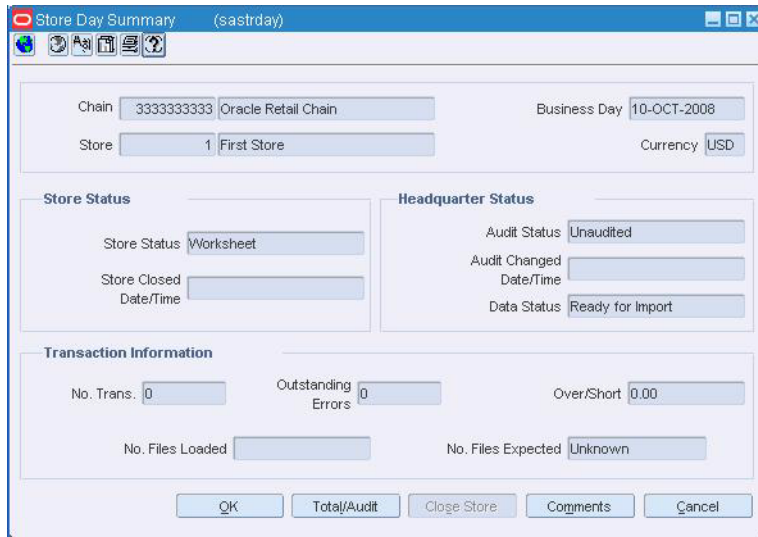
6. Enter additional criteria as desired to make the search more restrictive.
7. Click **Search**. A list of selected stores appears by business date.
8. To search for other locations, click **Refresh**.
9. Click **Close** to close the window.

## Viewing a Store Day Information

To view the store day summary:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store day in **Edit** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary**. The Store Day Summary window appears.

**Figure 6–29 Store Day Summary Window**




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**Note:** You can reset audit status using the **Total/Audit** button, and manually update the data status to **Fully Loaded** or **Closed** using the **Manually Update Data Status** option from the **Options** menu on the Store Day Summary window.

You can view reports using the **Reports** option from the **Options** menu.

---



---

4. Click **OK** to close the window.

## Resolving Errors

To resolve errors:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **Edit** mode. Select a store day.
3. From the **Options** menu, select **Error List**. The Error List window appears.
4. Select the error from the list.
5. Select **Store Override** or **HQ Override** check box to override the error. The definition of each error indicates whether it can be overridden at the store level or at the headquarter level.

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**Note:** The check box that is enabled will depend on your employee setup.

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6. Select an error from the list.
7. Click **Fix Error**. The Transaction Detail window appears.
8. Resolve the error.
9. Click **OK** to save your changes and close the window.

## Viewing the Balancing Level Information

To view the balancing level information:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **View** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary**.
4. From the **Options** menu, select **Register Summary**. The Balancing Level Summary window appears.
5. Click **OK** to close the window.

## Viewing Over/Short Totals Information

To view over/short totals information:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **View** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary, Cashier/Register Summary, or Error List**.
4. From the **Options** menu, select **Over/Short Totals**. The Over/Short window appears.
5. According to the information that you want to view, select the appropriate option from the Options menu.
  - Select **Exports**. Select **Accounted For** or **Accountable For** to view the Totals Export window.
  - Select **Audit Trail**. Select **Accounted For** or **Accountable For** to view the Audit Trail window.
6. Click **OK** to close the window.

## Viewing Miscellaneous Totals

To view miscellaneous totals:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **View** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary, Cashier/Register Summary, or Error List**.
4. From the **Options** menu, select **Miscellaneous Totals**. The Miscellaneous Totals window appears.
5. Click **OK** to close the window.

## Managing a Missing Transaction

The Missing Transaction Summary window allows you to view and update missing transactions. Missing transactions can occur when a transaction number, without any details, is generated at the POS. Missing transactions may represent transactions that were not properly polled, so you need to add the details. Another possibility is that the transaction numbers were polled erroneously from the POS and do not represent actual transactions. You need to delete such transaction numbers.

### To edit a missing transaction

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store day in **Edit** mode. From the **Options** menu, select **Store Day Summary** or **Error List**.
3. From the **Options** menu, select **Missing Transactions**. The Missing Transaction Summary window appears.
4. Select a POS transaction to add details.
5. From the **Options** menu, select **Add Details**. The Transaction Detail window appears.
6. Enter the details of the transaction in the appropriate fields.
7. Click **OK** to save your changes and close the window.

### To delete a missing transaction

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store day in **Edit** mode. From the **Options** menu, select **Store Day Summary** or **Error List**.
3. From the **Options** menu, select **Missing Transactions**. The Missing Transaction Summary window appears.
4. Select the missing transaction.
5. Click **Delete** to delete one transaction. Click **Delete All** to remove all missing transactions.
6. Click **Yes** to confirm.
7. Click **OK** to save your changes and close the window.

## Viewing the Import/Export Log

To view import/export log:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store day in **Edit** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary**. The Store Day Summary window appears.
4. From the **Options** menu, select **Import/Export Log**. The Store Day Import and Export Log window appears.
5. Select the **Import Log** tab to view the import log.

6. Select the **Export Log** tab to view the export log.
7. Click **OK** to close the window.

## Deleting a Store Day

To delete a store day:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **Edit** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary**. The Store Day Summary window appears.
4. From the **Options** menu, select **Delete Store Day**.
5. Click **Yes** to confirm.

## Closing a Store Day

To close a store day:

1. From the main menu, select **Action > Sales Audit > Store/Close Audit**. The Store Day Find window appears.
2. Search for and retrieve a store in **Edit** mode. Select a store day.
3. From the **Options** menu, select **Store Day Summary**. The Store Day Summary window appears.
4. Click **Close Store**.

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**Note:** All outstanding store day issues must be resolved before you close the store.

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5. Click **Yes** to confirm.



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## Exporting Data

Once the auditing process is complete, the transactional data is exported to different Oracle Retail systems. Exporting data involves retrieving data from the ReSA database, and writing it to a file formatted to the standards of the external systems such as, RMS, RDW, ReIM, and third party applications.

This chapter covers the following topics:

- [Exporting Audited Data](#)
- [Managing General Ledger Accounts](#)

### Exporting Audited Data

ReSA uses the following process to export audited data:

1. Transactions/Totals that are corrected in the interactive audit process are extracted from the database tables by the Sales Audit program.
2. This information is written to interface files/tables that are used by external systems.
3. A batch program extracts transactions with the status of Passed, Non-fatal, and Delete. The data is exported to temporary staging tables where additional batch programs manipulate the data and pass it to external systems, such as RMS or RDW.
4. If a previous revision of a transaction was exported, a reversal of the revision is also included in the transmission.
5. After all reversal entries are created, the reversed transactions are deleted from the transaction tables.

### Managing General Ledger Accounts

You can use the following procedures to manage general ledger accounts:

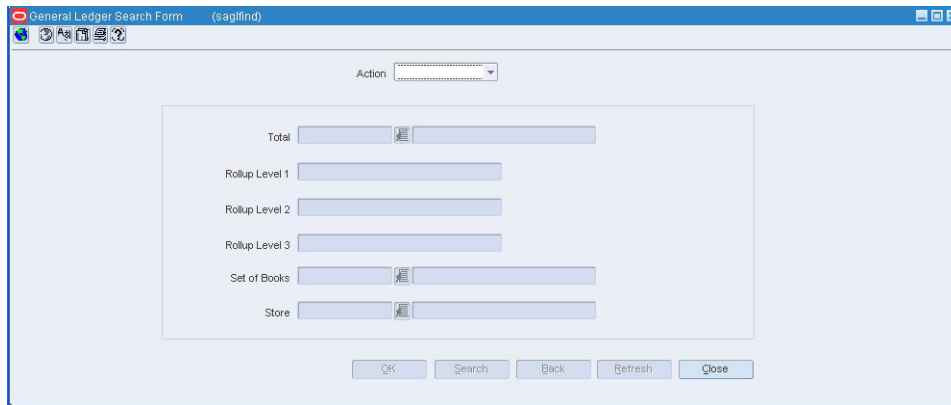
- [Searching for a General Ledger Total](#)
- [Viewing General Ledger Account Totals](#)
- [Editing General Ledger Account Totals](#)
- [Viewing the General Ledger Cross Reference](#)

#### Searching for a General Ledger Total

To search for a general ledger total:

1. From the main menu, select **Action > Sales Audit > Control > Setup > GL Account Maintenance**. The General Ledger Search Form window appears.

**Figure 7-1 General Search Form Window**



2. In the **Action** menu, select either **Edit** or **View**.
3. Enter additional criteria as desired to make the search more restrictive.
4. Click **Search**. The window displays the totals that match the search criteria in a table.

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**Note:** To view the GL Account Maintenance window, select a total and click **OK**.

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5. Click **OK** to close the window.

## Viewing General Ledger Account Totals

To view general ledger account totals:

1. From the main menu, select **Action > Sales Audit > Control > Setup > GL Account Maintenance**. The General Ledger Search Form window appears.
2. Search for and retrieve a general ledger total in View mode. The GL Account Maintenance window appears.



**Figure 7-2 GL Account Maintenance Window**

The screenshot shows the 'GL Account Maintenance' window with the following fields and controls:

- Total:** A dropdown menu.
- Set of Books:** A dropdown menu.
- Store:** A dropdown menu.
- Roll-Up Level 1, 2, 3:** Three dropdown menus.
- Debit CCID:** A text input field.
- Sequence 1-10:** Ten text input fields.
- Credit CCID:** A text input field.
- Sequence 1-10:** Ten text input fields.
- Buttons:** 'Refresh' and 'Find Account' buttons are located below each of the two columns of sequences. At the bottom of the window are 'OK', 'OK+Repeat', 'Delete', and 'Cancel' buttons.

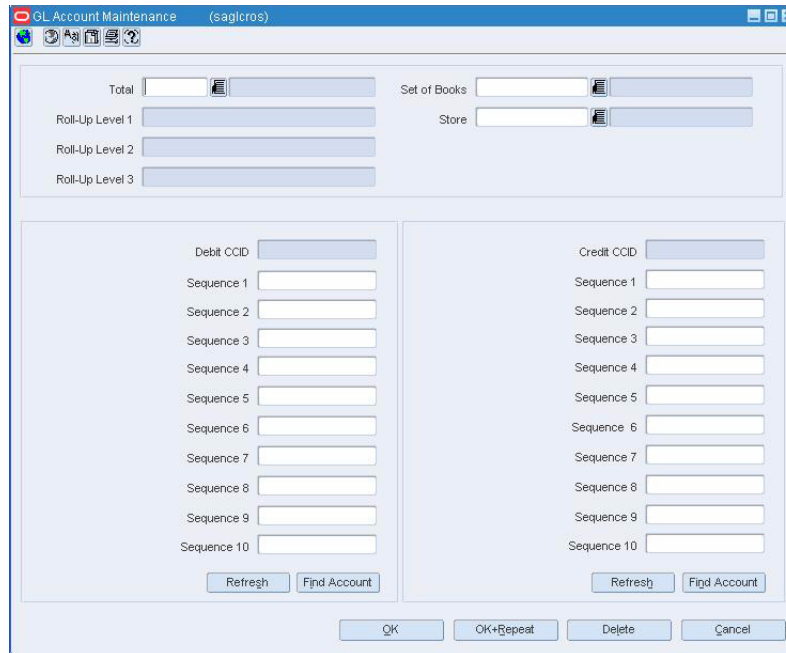
3. Select the desired total.
4. Click **OK**. The GL Account Maintenance window appears.

## Editing General Ledger Account Totals

To edit general ledger account totals:

1. From the main menu, select **Action > Sales Audit > Control > Setup > GL Account Maintenance**. The General Ledger Search Form window appears.
2. Search for and retrieve a general ledger total in Edit mode. The GL Account Maintenance window appears.

**Figure 7-3 GL Account Maintenance Window**



3. Select the desired total.
4. Click **OK**. The GL Account Maintenance window appears.
5. In the **Debit CCID** field, enter or edit the number. The Sequence fields are filled with the information specific to the code combination.
6. In the **Credit CCID** field, enter or edit the number. The Sequence fields are filled in with the information specific to the code combination.
7. To delete a general ledger debit or credit:
  - a. Select a debit or credit CCID.
  - b. Click **Delete**.
  - c. Click **Yes** to confirm.
8. Click **OK** to save your changes and close the window.

## Viewing the General Ledger Cross Reference

To view the general ledger cross reference:

1. From the main menu, select **Finance > General Ledger**. The General Ledger Search window appears.
2. Search for and retrieve a cross reference in View mode. The GL Cross Reference window appears.

**Figure 7-4** GL Cross Reference Window

The screenshot shows the 'GL Cross Reference' window with the following fields and sections:

- Search Criteria:**
  - Department, Class, Subclass, Set of Books, Location (all with dropdown arrows)
  - Tran Code, Tran Ref No, Line Type (all with dropdown arrows)
  - Cost/Retail (dropdown menu)
- Debit Account:** A list of 10 segments (Segment 1 to Segment 10) with input fields.
- Credit Account:** A list of 10 segments (Segment 1 to Segment 10) with input fields.
- Buttons:** 'Refresh' and 'Find Account' buttons are located below each account list. At the bottom of the window are 'OK', 'OK+Repeat', 'Delete', and 'Cancel' buttons.

3. Click **OK** to close the window.



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# Glossary

## **audit rules**

Audit rules allow you to set your own sales data validation criteria.

## **errors**

Errors arise when the conditions of a rule definition are not met. You can either correct these errors or you can override them.

## **error impact**

Errors arising out of the transaction data validation performed by ReSA may have impact on the export of data to the external systems. At times, the data should not be exported to the external systems until the error is corrected. At other times, the impact of the error may be very negligible and limited only to the internal ReSA application. In such situations, the data can be exported to external systems.

## **multi-level audit**

The auditing process that involves multiple levels of transaction data audit is called multi-level audit (MLA). In an MLA environment, the sales data in ReSA may become accessible to all the auditors (store and HQ auditors).

## **overriding errors**

There are some errors that cannot be corrected. For such errors, you need to acknowledge the error and then override these errors.

## **rules definition**

By providing a Rule Definition in the ReSA system, you are actually defining the conditions that the ReSA system should meet to perform an additional level of transaction data validation.

## **sales audit**

Sales audit is essentially the process of reviewing the point-of-sale transaction data for accuracy.

## **store day**

A store day is the time spent between opening cash registers at the start of a calendar day and closing the registers at the end of the day. For some retailers, a store day spans over more than one calendar day.

## **totals**

A total is a summation or count of two or more entities. For example, a total can be a summation of the quantity of items sold in the store on a particular store day.

**total definition**

By providing a Total Definition in the ReSA system, you are actually defining from where the total values will come into the ReSA system.

**total level**

Total level indicates the level at which the totals are calculated. The total level relates to the balancing level that is chosen for the system. The total value can be calculated at the following balancing level

**total values**

This refers to the actual numeric value produced when the Total Definition is run against the transaction data.

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# Index

## A

- adding
  - headquarters employee 10
  - store employee 7
- audit rules
  - basic information 1
  - characteristics 2
  - create 3
  - defining 1
  - view 3
  - wizard 1

## C

- closing
  - store day 1
- creating
  - audit rules 3
  - store day 1

## D

- data
  - export 1

## E

- editing
  - headquarters employee 11
  - store employee 8

## employee

- headquarters
  - add 10
  - edit 11
- set up 6
- store
  - add 7
  - edit 8
- view 6

## S

- setting up
  - employee 6

- store day
  - close 1
  - create 1

## V

- viewing
  - audit rules 3
  - bank ACH transactions 14
  - employee record 6
  - export information 13
  - exported revisions 25
  - item details 13
  - item reference 13
  - transaction data 12
  - transaction reference 13

